

Digital Realty Trust, Inc.
Form 424B5
June 02, 2010
Table of Contents

**Filed Pursuant to Rule 424(b)(5)
Registration No. 333-158958**

The information in this preliminary prospectus supplement and the accompanying prospectus is not complete and may be changed. This preliminary prospectus supplement and the accompanying prospectus are not an offer to sell these securities and are not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED JUNE 2, 2010

PRELIMINARY PROSPECTUS SUPPLEMENT

(To Prospectus Dated May 1, 2009)

4,250,000 Shares

Common Stock

We are selling 4,250,000 shares of our common stock, par value \$0.01 per share.

We have granted the underwriters an option to purchase up to 637,500 additional shares of our common stock to cover over-allotments.

We are organized and conduct our operations to qualify as a real estate investment trust, or REIT, for federal income tax purposes. To assist us in complying with certain federal income tax requirements applicable to REITs, our charter contains certain restrictions relating to the ownership and transfer of our stock, including an ownership limit of 9.8% on our common stock.

Our common stock is listed on the New York Stock Exchange under the symbol DLR . The last reported sale price of our common stock on the New York Stock Exchange on June 1, 2010 was \$56.32 per share.

Investing in our common stock involves risks. See Risk Factors beginning on page S-8 of this prospectus supplement and in Risk Factors beginning on page 2 of our Annual Report on Form 10-K for the year ended December 31, 2009.

Neither the United States Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

	Per Share	Total
Public Offering Price	\$	\$
Underwriting Discount	\$	\$
Proceeds to Digital Realty Trust, Inc. (before expenses)	\$	\$

The underwriters expect to deliver the shares to purchasers on or about _____, 2010 through the book-entry facilities of The Depository Trust Company.

Credit Suisse

Citi

BofA Merrill Lynch

, 2010

Table of Contents

TABLE OF CONTENTS

PROSPECTUS SUPPLEMENT

<u>PROSPECTUS SUPPLEMENT SUMMARY</u>	Page S-1
<u>THE OFFERING</u>	S-6
<u>RISK FACTORS</u>	S-8
<u>FORWARD-LOOKING STATEMENTS</u>	S-11
<u>USE OF PROCEEDS</u>	S-13
<u>SUPPLEMENTAL UNITED STATES FEDERAL INCOME TAX CONSIDERATIONS</u>	S-14
	Page
<u>UNDERWRITING</u>	S-16
<u>NOTICE TO CANADIAN RESIDENTS</u>	S-23
<u>LEGAL MATTERS</u>	S-25
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	S-25
<u>EXPERTS</u>	S-25
<u>INCORPORATION OF CERTAIN INFORMATION BY REFERENCE</u>	S-27

PROSPECTUS

	Page
<u>OUR COMPANY</u>	1
<u>RISK FACTORS</u>	2
<u>ABOUT THIS PROSPECTUS</u>	2
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	2
<u>INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE</u>	3
<u>FORWARD-LOOKING STATEMENTS</u>	4
<u>USE OF PROCEEDS</u>	6
<u>RATIO OF EARNINGS TO FIXED CHARGES AND PREFERRED DIVIDENDS</u>	7
<u>DESCRIPTION OF SECURITIES</u>	8
	Page
<u>RESTRICTIONS ON OWNERSHIP AND TRANSFER</u>	22
<u>DESCRIPTION OF THE PARTNERSHIP AGREEMENT OF DIGITAL REALTY TRUST, L.P.</u>	26
<u>MATERIAL PROVISIONS OF MARYLAND LAW AND OF OUR CHARTER AND BYLAWS</u>	32
<u>UNITED STATES FEDERAL INCOME TAX CONSIDERATIONS</u>	38
<u>SELLING SECURITYHOLDERS</u>	57
<u>PLAN OF DISTRIBUTION</u>	57
<u>LEGAL MATTERS</u>	59
<u>EXPERTS</u>	59

Unless otherwise indicated or unless the context requires otherwise, all references in this prospectus supplement to we, us, our or our company refer to Digital Realty Trust, Inc. together with our consolidated subsidiaries, including Digital Realty Trust, L.P., a Maryland limited partnership, of which we are the sole general partner and which we refer to in this prospectus supplement as our operating partnership.

Turn-Key Datacenter[®], Powered Base Building[®], POD Architecture[®] and Critical Facilities Management[®] are registered trademarks of Digital Realty Trust, Inc. All other service marks, trademarks or trade names appearing in this prospectus supplement are the property of their respective owners.

You should rely only on the information contained in or incorporated by reference in this prospectus supplement and the accompanying prospectus. We have not, and the underwriters have not, authorized anyone to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. You should assume that the information contained in this prospectus supplement and the accompanying prospectus, as well as information that we have previously filed with the United States Securities and Exchange Commission and incorporated by reference, is accurate only as of the date of the applicable document. Our business, financial condition, results of operations and prospects may have changed since those dates. The descriptions set forth in this prospectus supplement replace and supplement, where inconsistent, the description of the general terms and provisions set forth in the accompanying prospectus.

The distribution of this prospectus supplement and the accompanying prospectus and the offering of the common stock in certain jurisdictions may be restricted by law. If you possess this prospectus supplement and the accompanying prospectus, you should find out about and observe these restrictions. This prospectus supplement and the accompanying prospectus are not an offer to sell the common stock and are not soliciting an offer to buy the common stock in any jurisdiction where the offer or sale is not permitted or where the person making the offer or sale is not qualified to do so or to any person to whom it is not permitted to make such offer or sale.

Table of Contents

PROSPECTUS SUPPLEMENT SUMMARY

Digital Realty Trust, Inc.

Overview

We own, acquire, develop, redevelop and manage technology-related real estate. As of March 31, 2010, our portfolio consisted of 84 properties, excluding one property held as an investment in an unconsolidated joint venture, of which 71 are located throughout North America and 13 are located in Europe. Our properties are diversified in major markets where corporate datacenter and technology tenants are concentrated, including the Boston, Chicago, Dallas, Los Angeles, New York Metro, Northern Virginia, Phoenix, San Francisco and Silicon Valley metropolitan areas in the U.S. and the Amsterdam, Dublin, London and Paris markets in Europe. The portfolio consists of Internet gateway and corporate datacenter properties, technology manufacturing properties and regional or national headquarters of technology companies. We operate as a real estate investment trust, or REIT, for federal income tax purposes.

As of March 31, 2010, our properties contained a total of approximately 15.0 million net rentable square feet, including approximately 1.8 million square feet held for redevelopment. As of March 31, 2010, our portfolio, excluding space held for redevelopment, was approximately 95.2% leased at an average annualized rent per occupied square foot of \$44.10.

Our principal executive offices are located at 560 Mission Street, Suite 2900, San Francisco, California 94105. Our telephone number is (415) 738-6500. Our website is located at www.digitalrealtytrust.com. The information found on, or accessible through, our website is not incorporated into, and does not form a part of, this prospectus supplement, the accompanying prospectus or any other report or document we file with or furnish to the United States Securities and Exchange Commission, or the SEC.

Recent Developments

On June 1, 2010, our operating partnership, Digital Realty Trust, L.P., entered into a definitive asset purchase agreement with unrelated third parties to acquire a five-property data center portfolio located in California, Arizona and Virginia, which we refer to as the Rockwood Capital/365 Main Portfolio. The Rockwood Capital/365 Main Portfolio, which comprises a total of approximately 919,000 square feet and consists of: 365 Main Street, San Francisco, California; 2260 East El Segundo Boulevard, El Segundo, California; 720 2nd Street, Oakland, California; 2121 South Price Road, Chandler, Arizona; and 4030-4050 Lafayette Center Drive, Chantilly, Virginia, is being purchased from joint ventures that are majority-owned by affiliates of Rockwood Capital, LLC and managed by 365 Main, Inc. All data centers in the Rockwood Capital/365 Main Portfolio were developed in 2000 or later. The Rockwood Capital/365 Main Portfolio is leased to a diverse roster of over 200 tenants in various industries. Based on information provided by the sellers, we believe that, as of March 31, 2010, approximately 94% of the total square feet available for lease at the buildings in the Rockwood Capital/365 Main Portfolio was occupied. The total square feet available for lease in the Rockwood Capital/365 Main Portfolio is based on a number of factors in addition to contractually leased square feet, including available power, required support space and common area. Our estimate of the percentage of occupied rentable square feet in the Rockwood Capital/365 Main Portfolio may change based on due diligence we conduct prior to closing as well as our experience operating the properties following the closing of the acquisition.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

The purchase price, which was determined through negotiations between our operating partnership and the sellers, will be approximately \$725.0 million (subject to adjustment in limited circumstances), to be paid in cash at closing. The Rockwood Capital/365 Main Portfolio includes approximately 250,000 square feet of additional new datacenter development potential at 2121 South Price Road in Chandler, Arizona and approximately \$13.0 million of uninstalled datacenter infrastructure improvements. We expect to fund the purchase price with available cash, borrowings under our revolving credit facility or the sale of additional debt or equity securities. Our operating partnership will deposit \$15.0 million into an escrow account pending closing of the transaction.

S-1

Table of Contents

The purchase of the Rockwood Capital/365 Main Portfolio is subject to our satisfactory completion of due diligence as well as satisfaction of various closing conditions, including the receipt of requisite estoppels and minimum satisfactory financing. The closing of the acquisition is expected to take place on or about July 2, 2010, and may be extended in limited circumstances. No financial information regarding the Rockwood Capital/365 Main Portfolio for any period subsequent to March 31, 2010 is currently available to us. In addition, we have not completed our due diligence review of the Rockwood Capital/365 Main Portfolio. Accordingly, we cannot make any assurances with respect to the financial condition or expected financial performance of the Rockwood Capital/365 Main Portfolio. We also cannot assure you that the acquisition will be consummated on the anticipated schedule, at the anticipated purchase price, or at all. If we fail to close the purchase as required after the satisfaction or waiver of all closing conditions, we may be liable to the sellers for liquidated damages in an amount equal to the deposit. There are no material relationships between us and the sellers.

Other than normally recurring capital expenditures and tenant improvements, we have no present plans with respect to renovation, improvement or redevelopment of the Rockwood Capital/365 Main Portfolio.

The pre-acquisition real estate tax rate for the Rockwood Capital/365 Main Portfolio is \$13.36 per \$1,000 of assessed value for the most recently available tax years. The total pre-acquisition annual tax for the Rockwood Capital/365 Main Portfolio at this rate for the most recently available tax years is \$2,927,822 (at a taxable assessed value of \$219,080,243). There were total direct assessments of \$23,807 imposed on the Rockwood Capital/365 Main Portfolio by the City and County of San Francisco, Los Angeles County and Alameda County for the most recently available tax years. The Rockwood Capital/365 Main Portfolio is subject to periodic reassessment for property tax purposes in the future, including an anticipated reassessment of properties located in California upon the closing of the acquisition.

The federal tax basis of the Rockwood Capital/365 Main Portfolio will be determined as of the closing of the acquisition and will be based on the final purchase price. The depreciation method and life claimed will be determined by reference to the Internal Revenue Service-mandated method for depreciating assets placed into service after 1986, known as the Modified Accelerated Cost Recovery System.

The Rockwood Capital/365 Main Portfolio will be collectively insured, along with our other properties, under a blanket property, liability, fire, extended coverage, earthquake, terrorism and rental loss insurance policy that is renewed on an annual basis. We believe that the Rockwood Capital/365 Main Portfolio will be adequately insured under such policy.

On May 25, 2010, we acquired a redevelopment property consisting of two shell buildings at 3105 and 3115 Alfred Street in Santa Clara, California for approximately \$10 million. The property totals approximately 82,000 square feet. The acquisition was financed with borrowings under our revolving credit facility.

On May 10, 2010, we acquired a redevelopment property located at 1725 Comstock Street in Santa Clara, California for approximately \$9.7 million. The property totals approximately 40,300 square feet. The acquisition was financed with available cash.

As of May 31, 2010, we generated net proceeds of approximately \$67.5 million from the issuance of approximately 1.3 million common shares under our equity distribution agreements with each of Citigroup Global Markets Inc., Merrill Lynch, Pierce, Fenner & Smith Incorporated, Credit Suisse Securities (USA) LLC, and Morgan Stanley & Co. Incorporated after payment of approximately \$1.0 million of commissions to the sales agents. These shares were issued at an average price of \$51.87 per share. We have used and intend to use the proceeds from the sale of shares pursuant to the equity distribution agreements to temporarily repay borrowings under our revolving credit facility, to acquire additional properties, to fund development and redevelopment opportunities and for general corporate purposes.

Table of Contents

Our Competitive Strengths

We believe we distinguish ourselves from other owners, acquirers and managers of technology-related real estate through our competitive strengths, which include:

High-Quality Portfolio that is Difficult to Replicate. Our portfolio contains state-of-the-art datacenter facilities with extensive tenant improvements. Based on current market rents and the estimated replacement costs of our properties and their improvements, we believe that they could not be replicated today on a cost-competitive basis. Our portfolio of corporate and Internet gateway datacenter facilities is equipped to meet the power and cooling requirements for the most demanding corporate IT applications. Many of the properties in our portfolio are located on major aggregation points formed by the physical presence of multiple major telecommunications service providers, which reduces our tenants' costs and operational risks and increases the attractiveness of our buildings.

Presence in Key Markets. Our portfolio is located in 27 metropolitan areas, including the Boston, Chicago, Dallas, Los Angeles, New York Metro, Northern Virginia, Phoenix, San Francisco and Silicon Valley metropolitan areas in the U.S. and the Amsterdam, Dublin, London and Paris markets in Europe, and is diversified so that no one market represented more than 16.2% of the aggregate annualized rent of our portfolio as of March 31, 2010.

Proven Ability to Sign New Leases. We have considerable experience in identifying and leasing to new tenants. The combination of our specialized datacenter leasing team and customer referrals continues to provide a robust pipeline of new tenants. During the three months ended March 31, 2010, we commenced new leases totaling approximately 116,000 square feet, which represent approximately \$15.4 million in annualized GAAP rent. These leases were comprised of Powered Base Buildings[®], Turn-Key Datacenters[®], and ancillary office and other uses.

Demonstrated Acquisition Capability. As of March 31, 2010, our portfolio consisted of 84 technology-related real estate properties, excluding one property held through an investment in an unconsolidated joint venture, that we or our predecessor acquired beginning in 2002, for an aggregate of 15.0 million net rentable square feet, including approximately 1.8 million square feet held for redevelopment. We have developed detailed, standardized procedures for evaluating acquisitions, including income producing assets and vacant properties suitable for redevelopment, to ensure that they meet our financial, technical and other criteria. These procedures and our in-depth knowledge of the technology and datacenter industries allow us to identify strategically located properties and evaluate investment opportunities efficiently and, as appropriate, commit and close quickly. Our broad network of contacts within a highly fragmented universe of sellers and brokers of technology-related real estate enables us to capitalize on acquisition opportunities. As a result, we acquired more than half of our properties before they were broadly marketed by real estate brokers.

Flexible Datacenter Solutions. We provide flexible, customer oriented solutions designed to meet the needs of technology and corporate datacenter users, including Turn-Key Datacenter[®], Powered Base Building[®] and build-to-suit options. Our Turn-Key Datacenters[®] are move-in ready, physically secure facilities with the power and cooling capabilities to support mission-critical IT enterprise applications. We believe our Turn-Key Datacenters[®] are effective solutions for tenants that lack the expertise, capital budget or desire to provide their own extensive datacenter infrastructure, management and security. For tenants that possess the ability to build and operate their own facility, our Powered Base Building[®] solution provides the physical location, required power and network access necessary to support a state-of-the-art datacenter. Our in-house engineering and design and construction professionals can also provide tenants with customized build-to-suit solutions to meet their unique specifications. Our Critical Facilities Management[®] services and team of technical engineers and datacenter operations experts provide 24/7 support for these mission-critical facilities.

Table of Contents

Differentiating Development Advantages. Our extensive development activity, operating scale and process-based approach to datacenter design, construction and operations result in significant cost savings and added value for our tenants. We have leveraged our purchasing power by securing global purchasing agreements and developing relationships with major equipment manufacturers, reducing costs and shortening delivery timeframes on key components, including major mechanical and electrical equipment. Utilizing our innovative modular datacenter design referred to as POD Architecture[®], we deliver what we believe to be a technically superior datacenter environment at significant cost savings. In addition, by utilizing our POD Architecture[®] to develop new Turn-Key Datacenters[®] in our existing Powered Base Buildings[®], on average we are able to deliver a fully commissioned facility in just under 30 weeks. Finally, our access to capital allows us to provide financing options for tenants that do not want to invest their own capital.

Diverse Tenant Base Across a Variety of Industry Sectors. We use our in-depth knowledge of the requirements and trends for Internet and data communications and corporate datacenter users to market our properties to domestic and international tenants with specific technology needs. At March 31, 2010, we had approximately 350 tenants across a variety of industry sectors, ranging from information technology and Internet enterprises to financial services, energy and manufacturing companies. No single tenant accounted for more than 10% of the aggregate annualized rent of our portfolio as of March 31, 2010.

Experienced and Committed Management Team and Organization. Our senior management team, including our Chairman, has an average of over 25 years of experience in the technology or real estate industries, including experience as investors in, advisors to and founders of technology companies. We believe that our senior management team's extensive knowledge of both the real estate and the technology industries provides us with a key competitive advantage. At March 31, 2010, our senior management team collectively owned common equity interests in our company of approximately 1.4%, which aligns management's interests with those of our stockholders.

Long-Term Leases that Complement Our Growth. We have long-term leases with stable cash flows. As of March 31, 2010, our weighted-average lease term was in excess of 13 years, with a weighted-average of over seven years remaining, excluding renewal options. Our lease expirations through December 31, 2011 are 12.0% of our net rentable square feet, excluding space held for redevelopment as of March 31, 2010.

Table of Contents

Business and Growth Strategies

Our primary business objectives are to maximize sustainable long-term growth in earnings, funds from operations and cash flow per share and to maximize returns to our stockholders. Our business strategies to achieve these objectives are:

Achieve Superior Returns on Redevelopment Inventory. At March 31, 2010, we had approximately 1.8 million square feet held for redevelopment. At March 31, 2010, approximately 185,000 square feet of our space held for redevelopment was undergoing construction for Turn-Key Datacenter® space in four U.S. markets and one European market. These projects have sufficient power capacity to meet the power and cooling requirements of today's advanced datacenters. We will continue to build out our redevelopment portfolio when justified by anticipated returns.

Capitalize on Acquisition Opportunities. We believe that acquisitions enable us to increase cash flow and create long-term stockholder value. Our relationships with corporate information technology groups, technology tenants and real estate brokers who are dedicated to serving these tenants provide us with ongoing access to potential acquisitions and often enable us to avoid competitive bidding. Furthermore, the specialized nature of technology-related real estate makes it more difficult for traditional real estate investors to understand, which results in reduced competition for acquisitions relative to other property types. We believe this dynamic creates an opportunity for us to obtain better risk-adjusted returns on our capital.

Access and Use Capital Efficiently. We believe we can increase stockholder returns by effectively accessing and deploying capital. Since our initial public offering in 2004, we have raised over \$5.0 billion of capital through common, preferred and convertible preferred equity offerings, two exchangeable debt offerings, one senior unsecured notes offering, our revolving credit facility, secured mortgage financings and refinancings and sales of non-core assets. We will endeavor to maintain financial flexibility while using our liquidity and access to capital to support operations, including our acquisition, leasing, development and redevelopment programs, which are important sources of growth for our company.

Maximize the Cash Flow of Our Properties. We aggressively manage and lease our assets to increase their cash flow. We often acquire properties with substantial in-place cash flow and some vacancy, which enables us to create upside through lease-up. Moreover, many of our properties contain extensive in-place infrastructure or buildout that may result in higher rents when leased to tenants seeking these improvements. We control our costs by negotiating expense pass-through provisions in tenant leases for operating expenses, including power costs and certain capital expenditures. Leases covering approximately 74% of the leased net rentable square feet in our portfolio as of March 31, 2010 required tenants to pay all or a portion of increases in operating expenses, including real estate taxes, insurance, common area charges and other expenses.

Leverage Strong Industry Relationships. We use our strong industry relationships with national and regional corporate enterprise information technology groups and technology-intensive companies to identify and comprehensively respond to their real estate needs. Our leasing and sales professionals are real estate and technology industry specialists who can develop complex facility solutions for the most demanding corporate datacenter and other technology tenants.

Table of Contents

THE OFFERING

Issuer	Digital Realty Trust, Inc., a Maryland corporation.
Common Stock Offered by Us	4,250,000 shares (4,887,500 if the underwriters' option to purchase additional shares is exercised in full).
Common Stock to be Outstanding after this Offering	83,097,461 ⁽¹⁾
Common Stock and Operating Partnership Units to be Outstanding after this Offering	88,758,666 ⁽¹⁾⁽²⁾
NYSE Symbol	DLR
Use of Proceeds	We expect that the net proceeds from this offering will be approximately \$ _____ million after deducting our estimated expenses (or approximately \$ _____ million if the underwriters exercise in full their option to purchase additional shares of our common stock). We intend to contribute the net proceeds from this offering to our operating partnership, which intends to use the net proceeds from this offering to fund a portion of the acquisition of the Rockwood Capital/365 Main Portfolio, or to acquire additional properties, to fund development and redevelopment opportunities and for general working capital purposes, including potentially for the repurchase, redemption or retirement of outstanding debt or preferred securities. The purchase price for the Rockwood Capital/365 Main Portfolio will be approximately \$725.0 million (subject to adjustment in limited circumstances), to be paid in cash at closing. We expect to fund the purchase price with available cash, including potentially a portion of the proceeds from this offering, borrowings under our revolving credit facility or the sale of additional debt or equity securities. The purchase of the Rockwood Capital/365 Main Portfolio is subject to our satisfactory completion of due diligence and satisfaction of other closing conditions, including receipt of requisite estoppels and minimum satisfactory financing. The closing of the acquisition is expected to take place on or about July 2, 2010, and may be extended in limited circumstances. We cannot assure you that the acquisition will be consummated on the anticipated schedule or at all. See "Use of Proceeds" in this prospectus supplement.
Risk Factors	An investment in our common stock involves various risks, and prospective investors should carefully consider the matters discussed under the caption entitled "Risk Factors" beginning on page S-8 of this prospectus supplement and in the documents incorporated by reference in this prospectus supplement before making a decision to invest in our common stock.

Table of Contents

- (1) Based on shares outstanding as of May 27, 2010. Excludes 637,500 shares issuable upon exercise of the underwriters' over-allotment option, 3,944,005 shares available for future issuance under our incentive award plan, 541,601 shares underlying options granted under our incentive award plan, 431,711 shares issuable upon redemption of outstanding vested long-term incentive units issued under our incentive award plan, 549,953 shares issuable upon redemption of outstanding unvested long-term incentive units issued under our incentive award plan, 361,657 shares issuable upon redemption of outstanding vested class C units and 237,335 shares issuable upon redemption of outstanding unvested class C units issued under our incentive award plan. Also excludes 3,657,477 shares potentially issuable upon conversion of our series C cumulative convertible preferred stock, using the current conversion rate, 8,214,624 shares potentially issuable upon conversion of our series D cumulative convertible preferred stock, using the current conversion rate, 5,418,398 shares potentially issuable upon exchange of our 4.125% exchangeable senior debentures, using the current conversion rate, and 6,195,345 shares potentially issuable upon exchange of our 5.50% exchangeable senior debentures, using the current conversion rate.
- (2) Includes 4,080,549 units held by limited partners, 431,711 vested long-term incentive units granted under our incentive award plan, 549,953 shares issuable upon redemption of outstanding unvested long-term incentive units issued under our incentive award plan, 361,657 shares issuable upon redemption of outstanding vested class C units and 237,335 shares issuable upon redemption of outstanding unvested class C units granted under our incentive award plan that in each case may, subject to limits in the partnership agreement for our operating partnership, be exchanged for cash or, at our option, shares of our common stock on a one-for-one basis. Also excludes 3,657,477 shares potentially issuable upon conversion of our series C cumulative convertible preferred stock, using the current conversion rate, 8,214,624 shares potentially issuable upon conversion of our series D cumulative convertible preferred stock, using the current conversion rate, 5,418,398 shares potentially issuable upon exchange of our 4.125% exchangeable senior debentures, using the current conversion rate, and 6,195,345 shares potentially issuable upon exchange of our 5.50% exchangeable senior debentures, using the current conversion rate.

Table of Contents

RISK FACTORS

In addition to other information contained in this prospectus supplement and the accompanying prospectus, you should carefully consider the risks described below and incorporated by reference to our Annual Report on Form 10-K for the year ended December 31, 2009, as updated by our subsequent filings under the Securities Exchange Act of 1934, as amended, or the Exchange Act, in evaluating our company, our properties and our business before making a decision to invest in our common stock. These risks are not the only ones faced by us. Additional risks not presently known or that are currently deemed immaterial could also materially and adversely affect our financial condition, results of operations, business and prospects. The trading price of our common stock could decline due to any of these risks, and you may lose all or part of your investment. This prospectus supplement and the accompanying prospectus, and the documents incorporated herein and therein by reference, also contain forward-looking statements that involve risks and uncertainties. Actual results could differ materially from those anticipated in these forward-looking statements as a result of certain factors, including the risks faced by us described below and elsewhere in this prospectus supplement and the accompanying prospectus, and the documents incorporated herein and therein by reference. Please refer to the section entitled "Forward-Looking Statements" in this prospectus supplement.

Risks Related to this Offering

Market interest rates and other factors may affect the value of our common stock.

One of the factors that will influence the price of our common stock will be the dividend yield on our common stock relative to market interest rates. Increases in market interest rates could cause the market price of our common stock to go down. The trading price of the shares of our common stock will also depend on many other factors, which may change from time to time, including:

the market for similar securities;

the attractiveness of REIT securities in comparison to the securities of other companies, taking into account, among other things, the higher tax rates imposed on dividends paid by REITs;

government action or regulation;

general economic conditions or conditions in the financial or real estate markets; and

our financial condition, performance and prospects.

Our revolving credit facility may limit our ability to pay distributions to our common stockholders.

Our revolving credit facility prohibits us from distributing to our stockholders more than 95% of our funds from operations (as defined in our revolving credit facility) during any four consecutive fiscal quarters, except as necessary to enable us to qualify as a REIT for federal income tax purposes. Consequently, if we do not generate sufficient funds from operations (as defined in our revolving credit facility) during the twelve

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

months preceding any dividend payment date for our common stock or preferred stock, we will not be able to pay all or a portion of the accumulated dividends payable to our stockholders on that payment date without causing a default under our revolving credit facility. In the event of a default under our revolving credit facility, we would be unable to borrow under our revolving credit facility and any amounts we have borrowed thereunder could become due and payable.

The number of shares available for future sale could adversely affect the market price of our common stock.

We cannot predict whether future issuances of shares of our common stock or the availability of shares for resale in the open market will decrease the market price per share of our common stock. Sales of a substantial

S-8

Table of Contents

number of shares of our common stock in the public market, or upon exchange of units, or the perception that such sales might occur could materially adversely affect the market price of the shares of our common stock.

We have granted those persons who received units in the formation transactions related to our initial public offering certain registration rights with respect to the shares of our common stock for which their units may be redeemed or exchanged pursuant to the partnership agreement of our operating partnership. These registration rights required us to file a shelf registration statement covering all such shares of common stock. In addition, third parties who received units in the initial public offering formation transactions have the right, on one occasion, to require us to register all such shares of our common stock. Our executive officers have agreed with the underwriters not to offer, sell, contract to sell, pledge or otherwise dispose of any shares of common stock or other securities convertible or exchangeable into our common stock for a period of 30 days after the date of this prospectus supplement. If any or all of these holders cause a large number of their shares to be sold in the public market, the sales could reduce the trading price of our common stock and could impede our ability to raise future capital.

The exercise of the underwriters' over-allotment option, the exchange of units for common stock, the exercise of any options granted to directors, executive officers and other employees under our incentive award plan, the issuance of our common stock or units in connection with property, portfolio or business acquisitions and other issuances of our common stock could have an adverse effect on the market price of the shares of our common stock, and the existence of units, options and shares of our common stock reserved for issuance as restricted shares of our common stock or upon exchange of units may materially adversely affect the terms upon which we may be able to obtain additional capital through the sale of equity securities. In addition, future issuances of shares of our common stock may be dilutive to existing stockholders.

The market price and trading volume of our common stock may be volatile.

The market price of our common stock may be volatile. In addition, the trading volume in our common stock may fluctuate and cause significant price variations to occur. If the market price of our common stock declines significantly, you may be unable to resell your shares at or above the public offering price. We cannot assure you that the market price of our common stock will not fluctuate or decline significantly in the future.

Some of the factors that could negatively affect our share price or result in fluctuations in the price or trading volume of our common stock include:

actual or anticipated variations in our quarterly operating results or dividends;

changes in our funds from operations or earnings estimates;

publication of research reports about us, the real estate industry or the technology industry;

increases in market interest rates that lead purchasers of our shares to demand a higher yield;

changes in market valuations of similar companies;

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

adverse market reaction to any additional debt we incur in the future;

additions or departures of key management personnel;

actions by institutional stockholders;

speculation in the press or investment community;

the realization of any of the other risk factors presented or incorporated by reference in this prospectus supplement;

any determination in the future to pay a dividend partially in shares of our own stock; and

general market and economic conditions.

S-9

Table of Contents

Future offerings of debt, which would be senior to our common stock upon liquidation, and/or preferred equity securities which may be senior to our common stock for purposes of dividend distributions or upon liquidation, may adversely affect the market price of our common stock.

In the future, we may increase our capital resources by making additional offerings of debt or preferred equity securities, including medium-term notes, trust preferred securities, senior or subordinated notes and preferred stock. Upon liquidation, holders of our debt securities and shares of preferred stock and lenders with respect to other borrowings will receive distributions of our available assets prior to the holders of our common stock. Additional equity offerings may dilute the holdings of our existing stockholders or reduce the market price of our common stock, or both. Holders of our common stock are not entitled to preemptive rights or other protections against dilution. Our series A preferred stock, series B preferred stock, series C convertible preferred stock and series D convertible preferred stock have a preference on liquidating distributions and a preference on dividend payments that could limit our ability to pay a dividend or make another distribution to the holders of our common stock. Because our decision to issue securities in any future offering will depend on market conditions and other factors beyond our control, we cannot predict or estimate the amount, timing or nature of our future offerings. Thus, our stockholders bear the risk of our future offerings reducing the market price of our common stock and diluting their stock holdings in us.

We may in the future choose to pay dividends in our own stock, in which case you may be required to pay tax in excess of the cash you receive.

We may in the future elect to distribute taxable dividends that are partially payable in cash and partially payable in our stock. Under recent IRS guidance, up to 90% of any such taxable dividend for 2008 through 2011 could be payable in our stock. Taxable stockholders receiving such dividends will be required to include the full amount of the dividend as ordinary income to the extent of our current and accumulated earnings and profits for United States federal income tax purposes. As a result, a U.S. stockholder may be required to pay tax with respect to such dividends in excess of the cash received. If a U.S. stockholder sells the stock it receives as a dividend in order to pay this tax, the sales proceeds may be less than the amount included in income with respect to the dividend, depending on the market price of our stock at the time of the sale. For more information on the tax consequences of distributions with respect to our common stock, see Supplemental United States Federal Income Tax Considerations. Furthermore, with respect to non-U.S. stockholders, we may be required to withhold U.S. tax with respect to such dividends, including in respect of all or a portion of such dividend that is payable in stock. In addition, if a significant number of our stockholders determine to sell shares of our stock in order to pay taxes owed on dividends, it may put downward pressure on the trading price of our stock.

Table of Contents

FORWARD-LOOKING STATEMENTS

We make statements in this prospectus supplement and accompanying prospectus, and the documents incorporated by reference, that are forward-looking statements within the meaning of the federal securities laws. In particular, statements pertaining to our capital resources, portfolio performance and results of operations contain forward-looking statements. Likewise, all of our statements regarding anticipated market conditions, demographics and results of operations are forward-looking statements. You can identify forward-looking statements by the use of forward-looking terminology such as believes, expects, may, will, should, seeks, approximately, intends, plans, pro forma, anticipates or the negative of these words and phrases or similar words or phrases which are predictions of or indicate future events or trends and which do not relate solely to historical matters. You can also identify forward-looking statements by discussions of strategy, plans or intentions. Forward-looking statements involve numerous risks and uncertainties and you should not rely on them as predictions of future events. Forward-looking statements depend on assumptions, data or methods which may be incorrect or imprecise and we may not be able to realize them. We do not guarantee that the transactions and events described will happen as described (or that they will happen at all).

The following factors, among others, could cause actual results and future events to differ materially from those set forth or contemplated in the forward-looking statements:

the impact of the recent deterioration in global economic, credit and market conditions;

current local economic conditions in our geographic markets;

decreases in information technology spending, including as a result of economic slowdowns or recession;

adverse economic or real estate developments in our industry or the industry sectors that we sell to (including risks relating to decreasing real estate valuations and impairment charges);

our dependence upon significant tenants;

bankruptcy or insolvency of a major tenant or a significant number of smaller tenants;

defaults on or non-renewal of leases by tenants;

our failure to obtain necessary debt and equity financing;

increased interest rates and operating costs;

our failure to repay debt when due or our breach of covenants or other terms contained in our loan facilities and agreements;

financial market fluctuations;

changes in foreign currency exchange rates;

our ability to manage our growth effectively;

difficulty acquiring or operating properties in foreign jurisdictions;

our failure to successfully operate acquired or redeveloped properties;

risks related to joint venture investments, including as a result of our lack of control of such investments;

delays or unexpected costs in development or redevelopment of properties;

decreased rental rates or increased vacancy rates;

increased competition or available supply of data center space;

our inability to successfully develop and lease new properties and space held for redevelopment;

difficulties in identifying properties to acquire and completing acquisitions;

S-11

Table of Contents

our inability to acquire off-market properties;

our inability to comply with the rules and regulations applicable to public companies;

our failure to maintain our status as a REIT;

potential adverse changes to tax laws;

restrictions on our ability to engage in certain business activities;

environmental uncertainties and risks related to natural disasters;

changes in foreign laws and regulations, including those related to taxation and real estate ownership and operation; and

changes in real estate and zoning laws and increases in real property tax rates.

While forward-looking statements reflect our good faith beliefs, they are not guaranties of future performance. We disclaim any obligation to publicly update or revise any forward-looking statement to reflect changes in underlying assumptions or factors, new information, data or methods, future events or other changes. For a further discussion of these and other factors that could impact our future results, performance or transactions, see the section entitled "Risk Factors" in this prospectus supplement and in our Annual Report on Form 10-K for the year ended December 31, 2009 and our Quarterly Report on Form 10-Q for the quarter ended March 31, 2010.

Table of Contents

USE OF PROCEEDS

We expect that the net proceeds from this offering will be approximately \$ million after deducting our estimated expenses of approximately \$475,000 (or approximately \$ million if the underwriters' over-allotment option is exercised in full).

We intend to contribute the net proceeds from this offering to our operating partnership, which intends to use the net proceeds from this offering to fund a portion of the acquisition of the Rockwood Capital/365 Main Portfolio, or to acquire additional properties, to fund development and redevelopment opportunities and for general working capital purposes, including potentially for the repurchase, redemption or retirement of outstanding debt or preferred securities. The purchase price for the Rockwood Capital/365 Main Portfolio will be approximately \$725.0 million (subject to adjustment in limited circumstances), to be paid in cash at closing. We expect to fund the purchase price with available cash, including potentially a portion of the proceeds from this offering, borrowings under our revolving credit facility or the sale of additional debt or equity securities. The purchase of the Rockwood Capital/365 Main Portfolio is subject to our satisfactory completion of due diligence and satisfaction of other closing conditions, including receipt of requisite estoppels and minimum satisfactory financing. The closing of the acquisition is expected to take place on or about July 2, 2010, and may be extended in limited circumstances. We cannot assure you that the acquisition will be consummated on the anticipated schedule or at all.

S-13

Table of Contents

SUPPLEMENTAL UNITED STATES FEDERAL INCOME TAX CONSIDERATIONS

This discussion is a supplement to, and is intended to be read together with, the discussion in the accompanying prospectus under the heading United States Federal Income Tax Considerations. This summary of material federal income tax considerations is for general information only and is not tax advice.

The following discussion should be inserted after the fifth paragraph under the heading Taxation of Our Company Annual Distribution Requirements.

Certain Dividends Paid in Stock

Recent guidance issued by the IRS extends and clarifies the application of the safe harbor set forth in Revenue Procedure 2009-15, described in the accompanying prospectus under the heading Taxation of Our Company Annual Distribution Requirements and Taxation of Taxable U.S. Stockholders Distributions Generally. This IRS guidance provides that certain part-stock and part-cash dividends distributed by publicly-traded REITs for calendar years 2008 through 2011 will satisfy the REIT distribution requirements. Under the terms of this guidance, up to 90% of our distributions could be paid in shares of our common stock. If we make such a distribution, taxable stockholders would be required to include the full amount of the dividend (*i.e.*, the cash and the stock portions) as ordinary income (subject to limited exceptions), to the extent of our current and accumulated earnings and profits for United States federal income tax purposes, as described in the accompanying prospectus under the headings Taxation of Taxable U.S. Stockholders Distributions Generally and Taxation of Non-U.S. Stockholders Distributions Generally. As a result, our stockholders generally would recognize taxable income in excess of the cash received and may be required to pay tax with respect to such dividends in excess of the cash received. If a taxable stockholder sells the stock it receives as a dividend, the sales proceeds may be less than the amount included in income with respect to the dividend, depending on the market price of the stock at the time of the sale. Furthermore, with respect to non-U.S. stockholders (as defined in the accompanying prospectus), we may be required to withhold U.S. tax with respect to such dividends, including in respect of all or a portion of such dividend that is payable in stock.

The following discussion should be inserted immediately following the discussion under the heading Federal Income Tax Considerations for Holders of Our Capital Stock.

New Legislation Relating to Foreign Accounts

Newly enacted legislation may impose withholding taxes on certain types of payments made to foreign financial institutions and certain other non-U.S. entities. Under this legislation, the failure to comply with additional certification, information reporting and other specified requirements could result in withholding tax being imposed on payments of dividends and sales proceeds to U.S. stockholders (as defined in the accompanying prospectus) who own the shares through foreign accounts or foreign intermediaries and certain non-U.S. stockholders (as defined in the accompanying prospectus). The legislation imposes a 30% withholding tax on dividends on, and gross proceeds from the sale or other disposition of, our common stock paid to a foreign financial institution or to a foreign non-financial entity, unless (i) the foreign financial institution undertakes certain diligence and reporting obligations or (ii) the foreign non-financial entity either certifies it does not have any substantial United States owners or furnishes identifying information regarding each substantial United States owner. If the payee is a foreign financial institution, it must enter into an agreement with the United States Treasury requiring, among other things, that it undertake to identify accounts held by certain United States persons or United States-owned foreign entities, annually report certain information about such accounts, and withhold 30% on payments to account holders whose actions prevent it from complying with these reporting and other requirements. The legislation applies to payments made after December 31, 2012. Prospective investors should consult their tax advisors regarding this legislation.

Table of Contents

The following discussion should be inserted immediately following the discussion under the heading Federal Income Tax Considerations for Holders of Our Capital Stock Taxation of Taxable U.S. Stockholders Tax Rates.

On March 30, 2010, President Obama signed into law the Health Care and Education Reconciliation Act of 2010, which requires U.S. stockholders who meet certain requirements and are individuals, estates or certain trusts to pay an additional 3.8% tax on, among other things, dividends on and capital gains from the sale or other disposition of stock for taxable years beginning after December 31, 2012. U.S. stockholders should consult their tax advisors regarding the effect, if any, of this legislation on their ownership and disposition of our common stock.

S-15

Table of Contents**UNDERWRITING**

Credit Suisse Securities (USA) LLC, Citigroup Global Markets Inc. and Merrill Lynch, Pierce, Fenner & Smith Incorporated are acting as book-running managers of the offering and as representatives of the underwriters named below. Subject to the terms and conditions stated in the underwriting agreement dated the date of this prospectus supplement, each underwriter named below has severally agreed to purchase, and we have agreed to sell to that underwriter, the number of shares set forth opposite the underwriter's name.

Underwriter	Number of Shares
Credit Suisse Securities (USA) LLC	
Citigroup Global Markets Inc.	
Merrill Lynch, Pierce, Fenner & Smith Incorporated	
Total	4,250,000

The underwriting agreement provides that the obligations of the underwriters to purchase the shares included in this offering are subject to approval of legal matters by counsel and to other conditions. The underwriters are obligated to purchase all the shares (other than those covered by the over-allotment option described below) if they purchase any of the shares.

Shares sold by the underwriters to the public will initially be offered at the initial public offering price set forth on the cover of this prospectus supplement. Any shares sold by the underwriters to securities dealers may be sold at a discount from the initial public offering price not to exceed \$ _____ per share. If all the shares are not sold at the initial offering price, the underwriters may change the offering price and the other selling terms.

If the underwriters sell more shares than the total number set forth in the table above, we have granted to the underwriters an option, exercisable for 30 days from the date of this prospectus supplement, to purchase up to 637,500 additional shares at the public offering price less the underwriting discount. The underwriters may exercise the option solely for the purpose of covering over-allotments, if any, in connection with this offering. To the extent the option is exercised, each underwriter must purchase a number of additional shares approximately proportionate to that underwriter's initial purchase commitment. Any shares issued or sold under the option will be issued and sold on the same terms and conditions as the other shares that are the subject of this offering.

We and our operating partnership have agreed that, for a period of 30 days from the date of this prospectus supplement, we and it will not offer, sell, contract to sell, pledge or otherwise dispose of (or enter into a transaction that would have the same effect), directly or indirectly, including the filing with the SEC of a registration statement under the Securities Act of 1933, as amended, or the Securities Act (except a registration statement on Form S-4 relating to an acquisition of a real property company or a registration statement on Form 10 related to the voluntary registration of our operating partnership's common units under the reporting requirements of the Exchange Act), relating to, or establish or increase a put equivalent position or liquidate or decrease a call equivalent position within the meaning of Section 16 of the Exchange Act with respect to, any shares of any class of our capital stock or securities convertible into or exchangeable or exercisable for any shares of any class of our capital stock, or publicly announce the intention to make any such offer, sale, pledge, disposition or filing, without the prior written consent of Credit Suisse Securities (USA) LLC, Citigroup Global Markets Inc. and Merrill Lynch, Pierce, Fenner & Smith Incorporated, except that we may:

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

grant stock options, restricted stock or long-term incentive units to employees, consultants or directors pursuant to the terms of a plan in effect as of the date of this prospectus supplement and issue shares of common stock pursuant to the exercise of such options and long-term incentive units;

issue shares of common stock pursuant to the exercise of any employee stock options outstanding as of the date of this prospectus supplement;

S-16

Table of Contents

issue shares of common stock upon the redemption of operating partnership units outstanding as of the date of this prospectus supplement;

issue shares of common stock pursuant to any dividend reinvestment plan;

issue shares of common stock or securities convertible into or exchangeable or exercisable for shares of common stock in connection with acquisitions of real property or real property companies and shares of common stock issuable upon such conversion or exchange;

file a registration statement on Form S-4 relating to an acquisition of a real property company;

file a registration statement on Form S-8 (including any amendments or supplements thereto) in connection with shares of common stock authorized for issuance pursuant to the terms of any plan in effect as of the date of this prospectus supplement;

file shelf registration statements (including any amendments or supplements thereto) in connection with existing contractual commitments; and

(x) issue shares of common stock in exchange for our outstanding convertible preferred stock and outstanding exchangeable senior debentures of our operating partnership, in each case pursuant to the terms of the instruments governing such securities as in effect on the date hereof and (y) issue shares of common stock upon redemption or repurchase of, or in exchange for, outstanding exchangeable senior debentures of our operating partnership other than pursuant to clause (x), file one or more registration statements or supplements thereto with respect to the sale of such shares of common stock, and enter into agreements regarding the same; provided, however, that shares issued in accordance with clause (y) must be made subject to the same restrictions described in the immediately following paragraph (without regard to the exception for any transaction consummated in accordance with a valid contract, instruction or plan that satisfies the requirements of Rule 10b5-1 under the Exchange Act).

Our executive officers and certain of our directors have agreed, subject to certain limited exceptions (including an exception for any transaction consummated in accordance with a valid contract, instruction or plan that satisfies the requirements of Rule 10b5-1 under the Exchange Act), that, for a period of 30 days from the date of this prospectus supplement, they will not offer, sell, contract to sell, pledge or otherwise dispose of (or enter into a transaction that would have the same effect), directly or indirectly, including the filing with the SEC of a registration statement or make any demand for or exercise any registration right in respect of, or establish or increase a put equivalent position or liquidate or decrease a call equivalent position within the meaning of Section 16 of the Exchange Act with respect to, any class of our capital stock or limited partnership units of our operating partnership, or securities convertible into or exercisable or exchangeable for any of the foregoing, enter into any swap, hedge or other arrangement that transfers, in whole or in part, any of the economic consequences of ownership of any of the foregoing, whether any of these transactions are to be settled by delivery of shares of our capital stock or other securities, or publicly announce an intention to make any offer, sale, pledge or disposition, or to enter into any transaction, swap, hedge or other arrangement, without, in each case, the prior written consent of Credit Suisse Securities (USA) LLC, Citigroup Global Markets Inc. and Merrill Lynch, Pierce, Fenner & Smith Incorporated.

The shares are listed on the New York Stock Exchange under the symbol `DLR`.

The following table shows the underwriting discounts and commissions that we are to pay to the underwriters in connection with this offering. These amounts are shown assuming both no exercise and full exercise of the underwriters' over-allotment option.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

	Paid by Us	
	No Exercise	Full Exercise
Per share	\$	\$
Total	\$	\$

We estimate that our portion of the total expenses of this offering will be approximately \$475,000.

S-17

Table of Contents

In connection with the offering, the underwriters may purchase and sell shares in the open market. Purchases and sales in the open market may include short sales, purchases to cover short positions, which may include purchases pursuant to the over-allotment option, and stabilizing purchases.

Short sales involve secondary market sales by the underwriters of a greater number of shares than they are required to purchase in the offering.

Covered short sales are sales of shares in an amount up to the number of shares represented by the underwriters over-allotment option.

Naked short sales are sales of shares in an amount in excess of the number of shares represented by the underwriters over-allotment option.

Covering transactions involve purchases of shares either pursuant to the over-allotment option or in the open market after the distribution has been completed in order to cover short positions.

To close a naked short position, the underwriters must purchase shares in the open market after the distribution has been completed. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of the shares in the open market after pricing that could adversely affect investors who purchase in the offering.

To close a covered short position, the underwriters must purchase shares in the open market after the distribution has been completed or must exercise the over-allotment option. In determining the source of shares to close the covered short position, the underwriters will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through the over-allotment option.

Stabilizing transactions involve bids to purchase shares so long as the stabilizing bids do not exceed a specified maximum.

Purchases to cover short positions and stabilizing purchases, as well as other purchases by the underwriters for their own accounts, may have the effect of preventing or retarding a decline in the market price of the shares. They may also cause the price of the shares to be higher than the price that would otherwise exist in the open market in the absence of these transactions. The underwriters may conduct these transactions on the New York Stock Exchange, in the over-the-counter market or otherwise. If the underwriters commence any of these transactions, they may discontinue them at any time.

The maximum discount to be received by any member of the Financial Industry Regulatory Authority or independent broker/dealer will not be greater than 8% for the sale of any shares of our common stock covered by this prospectus supplement.

The underwriters have performed commercial banking, investment banking and advisory services for us from time to time for which they have received customary fees and reimbursement of expenses. The underwriters may, from time to time, engage in transactions with and perform services for us in the ordinary course of their business for which they may receive customary fees and reimbursement of expenses. Affiliates of Credit Suisse Securities (USA) LLC, Citigroup Global Markets Inc. and Merrill Lynch, Pierce, Fenner & Smith Incorporated are lenders, and an affiliate of Citigroup Global Markets Inc. is the administrative agent, under our revolving credit facility. Credit Suisse Securities (USA) LLC, Citigroup Global Markets Inc. and Merrill Lynch, Pierce, Fenner & Smith Incorporated are also sales agents under our equity distribution

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

agreements, pursuant to which we can issue and sell shares of our common stock having an aggregate offering price of up to \$400,000,000 from time to time through them. As of May 31, 2010, we generated net proceeds of approximately \$67.5 million from the issuance of approximately 1.3 million common shares under these equity distribution agreements with each of our sales agents, including Credit Suisse Securities (USA) LLC, Citigroup Global Markets Inc. and Merrill Lynch, Pierce, Fenner & Smith Incorporated, after payment of approximately \$1.0 million of commissions to the sales agents.

S-18

Table of Contents

We have agreed to indemnify the underwriters against certain liabilities, including liabilities under the Securities Act, or to contribute to payments the underwriters may be required to make because of any of those liabilities.

Notice to Prospective Investors in the European Economic Area

In relation to each member state of the European Economic Area that has implemented the Prospectus Directive (each, a relevant member state), with effect from and including the date on which the Prospectus Directive is implemented in that relevant member state (the relevant implementation date), an offer of shares described in this prospectus supplement may not be made to the public in that relevant member state prior to the publication of a prospectus in relation to the shares that has been approved by the competent authority in that relevant member state or, where appropriate, approved in another relevant member state and notified to the competent authority in that relevant member state, all in accordance with the Prospectus Directive, except that, with effect from and including the relevant implementation date, an offer of securities may be offered to the public in that relevant member state at any time:

to any legal entity that is authorized or regulated to operate in the financial markets or, if not so authorized or regulated, whose corporate purpose is solely to invest in securities;

to any legal entity that has two or more of (1) an average of at least 250 employees during the last financial year; (2) a total balance sheet of more than 43,000,000 and (3) an annual net turnover of more than 50,000,000, as shown in its last annual or consolidated accounts;

to fewer than 100 natural or legal persons (other than qualified investors as defined below) subject to obtaining the prior consent of the representatives for any such offer; or

in any other circumstances that do not require the publication of a prospectus pursuant to Article 3 of the Prospectus Directive.

Each purchaser of shares described in this prospectus supplement located within a relevant member state will be deemed to have represented, acknowledged and agreed that it is a qualified investor within the meaning of Article 2(1)(e) of the Prospectus Directive.

For purposes of this provision, the expression an offer to the public in any relevant member state means the communication in any form and by any means of sufficient information on the terms of the offer and the securities to be offered so as to enable an investor to decide to purchase or subscribe the securities, as the expression may be varied in that member state by any measure implementing the Prospectus Directive in that member state, and the expression Prospectus Directive means Directive 2003/71/EC and includes any relevant implementing measure in each relevant member state.

The sellers of the shares have not authorized and do not authorize the making of any offer of shares through any financial intermediary on their behalf, other than offers made by the underwriters with a view to the final placement of the shares as contemplated in this prospectus supplement. Accordingly, no purchaser of the shares, other than the underwriters, is authorized to make any further offer of the shares on behalf of the sellers or the underwriters.

Notice to Prospective Investors in the United Kingdom

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

This prospectus supplement and the accompanying prospectus are only being distributed to, and is only directed at, persons in the United Kingdom that are qualified investors within the meaning of Article 2(1)(e) of the Prospectus Directive that are also (i) investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the Order) or (ii) high net worth entities, and other persons to whom it may lawfully be communicated, falling within Article 49(2)(a) to (d) of the Order (each such person being referred to as a relevant person). This prospectus supplement and its contents are confidential and should not be distributed, published or reproduced (in whole or in part) or disclosed by recipients to any other persons in the United Kingdom. Any person in the United Kingdom that is not a relevant person should not act or rely on this document or any of its contents.

S-19

Table of Contents

Notice to Prospective Investors in France

Neither this prospectus supplement nor any other offering material relating to the shares described in this prospectus supplement has been submitted to the clearance procedures of the *Autorité des Marchés Financiers* or of the competent authority of another member state of the European Economic Area and notified to the *Autorité des Marchés Financiers*. The shares have not been offered or sold and will not be offered or sold, directly or indirectly, to the public in France. Neither this prospectus supplement nor any other offering material relating to the shares has been or will be:

released, issued, distributed or caused to be released, issued or distributed to the public in France; or

used in connection with any offer for subscription or sale of the shares to the public in France.

Such offers, sales and distributions will be made in France only:

to qualified investors (*investisseurs qualifiés*) and/or to a restricted circle of investors (*cercle restreint d'investisseurs*), in each case investing for their own account, all as defined in, and in accordance with articles L.411-2, D.411-1, D.411-2, D.734-1, D.744-1, D.754-1 and D.764-1 of the French *Code monétaire et financier*;

to investment services providers authorized to engage in portfolio management on behalf of third parties; or

in a transaction that, in accordance with article L.411-2-II-1°-or-2°-or 3° of the French *Code monétaire et financier* and article 211-2 of the General Regulations (*Règlement Général*) of the *Autorité des Marchés Financiers*, does not constitute a public offer (*appel public à l'épargne*).

The shares may be resold directly or indirectly, only in compliance with articles L.411-1, L.411-2, L.412-1 and L.621-8 through L.621-8-3 of the French *Code monétaire et financier*.

Notice to Prospective Investors in Switzerland

This prospectus supplement, as well as any other material relating to the shares which are the subject of the offering contemplated by this prospectus supplement, do not constitute an issue prospectus pursuant to Article 652a and/or 1156 of the Swiss Code of Obligations. The shares will not be listed on the SIX Swiss Exchange and, therefore, the documents relating to the shares, including, but not limited to, this prospectus supplement, do not claim to comply with the disclosure standards of the listing rules of SIX Swiss Exchange and corresponding prospectus schemes annexed to the listing rules of the SIX Swiss Exchange. The shares may be offered in Switzerland by way of a private placement, *i.e.*, to a small number of selected investors only, without any public offer and only to investors who do not purchase the shares with the intention to distribute them to the public. The investors may be individually approached by us from time to time. This prospectus supplement, as well as any other material relating to the shares, is personal and confidential and do not constitute an offer to any other person. This prospectus supplement may only be used by those investors to whom it has been handed out in connection with the offering described herein and may neither directly nor indirectly be distributed or made available to other persons without our express consent. It may not be used in connection with any other offer and shall in particular not be copied and/or distributed to the public in (or from) Switzerland.

Notice to Prospective Investors in the Dubai International Financial Centre

This prospectus supplement relates to an exempt offer in accordance with the Offered Securities Rules of the Dubai Financial Services Authority. This prospectus supplement is intended for distribution only to persons of a type specified in those rules. It must not be delivered to, or relied on by, any other person. The Dubai Financial Services Authority has no responsibility for reviewing or verifying any documents in connection with exempt offers. The Dubai Financial Services Authority has not approved this prospectus supplement nor taken steps to verify the information set out in it, and has no responsibility for it. The shares which are the subject of

S-20

Table of Contents

the offering contemplated by this prospectus supplement may be illiquid and/or subject to restrictions on their resale. Prospective purchasers of the shares offered should conduct their own due diligence on the shares. If you do not understand the contents of this prospectus supplement you should consult an authorised financial adviser.

Notice to Prospective Investors in Hong Kong

The shares may not be offered or sold in Hong Kong by means of any document other than (i) in circumstances which do not constitute an offer to the public within the meaning of the Companies Ordinance (Cap. 32, Laws of Hong Kong), or (ii) to professional investors within the meaning of the Securities and Futures Ordinance (Cap. 571, Laws of Hong Kong) and any rules made thereunder, or (iii) in other circumstances which do not result in the document being a prospectus within the meaning of the Companies Ordinance (Cap. 32, Laws of Hong Kong) and no advertisement, invitation or document relating to the shares may be issued or may be in the possession of any person for the purpose of issue (in each case whether in Hong Kong or elsewhere), which is directed at, or the contents of which are likely to be accessed or read by, the public in Hong Kong (except if permitted to do so under the laws of Hong Kong) other than with respect to shares which are or are intended to be disposed of only to persons outside Hong Kong or only to professional investors within the meaning of the Securities and Futures Ordinance (Cap. 571, Laws of Hong Kong) and any rules made thereunder.

Notice to Prospective Investors in Japan

The shares offered in this prospectus supplement have not been registered under the Securities and Exchange Law of Japan. The shares have not been offered or sold and will not be offered or sold, directly or indirectly, in Japan or to or for the account of any resident of Japan, except (i) pursuant to an exemption from the registration requirements of the Securities and Exchange Law and (ii) in compliance with any other applicable requirements of Japanese law.

Notice to Prospective Investors in Singapore

This prospectus supplement has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this prospectus supplement and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of the shares may not be circulated or distributed, nor may the shares be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than (i) to an institutional investor under Section 274 of the Securities and Futures Act, Chapter 289 of Singapore (the SFA), (ii) to a relevant person pursuant to Section 275(1), or any person pursuant to Section 275(1A), and in accordance with the conditions specified in Section 275 of the SFA or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA, in each case subject to compliance with conditions set forth in the SFA.

Where the shares are subscribed or purchased under Section 275 of the SFA by a relevant person which is:

a corporation (which is not an accredited investor (as defined in Section 4A of the SFA)) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary of the trust is an individual who is an accredited investor,

shares, debentures and units of shares and debentures of that corporation or the beneficiaries' rights and interest (howsoever described) in that trust shall not be transferred within six months after that corporation or that trust has acquired the shares pursuant to an offer made under Section 275 of the SFA except:

to an institutional investor (for corporations, under Section 274 of the SFA) or to a relevant person defined in Section 275(2) of the SFA, or to any person pursuant to an offer that is made on terms that such shares, debentures and units of shares and debentures of that corporation or such rights and interest

S-21

Table of Contents

in that trust are acquired at a consideration of not less than S\$200,000 (or its equivalent in a foreign currency) for each transaction, whether such amount is to be paid for in cash or by exchange of securities or other assets, and further for corporations, in accordance with the conditions specified in Section 275 of the SFA;

where no consideration is or will be given for the transfer; or

where the transfer is by operation of law.

S-22

Table of Contents

NOTICE TO CANADIAN RESIDENTS

Resale Restrictions

The distribution of shares of our common stock in Canada is being made only on a private placement basis exempt from the requirement that we prepare and file a prospectus with the securities regulatory authorities in each province where trades of shares of our common stock are made. Any resale of shares of our common stock in Canada must be made under applicable securities laws which will vary depending on the relevant jurisdiction, and which may require resales to be made under available statutory exemptions or under a discretionary exemption granted by the applicable Canadian securities regulatory authority. Purchasers are advised to seek legal advice prior to any resale of the shares of our common stock.

Representations of Purchasers

By purchasing shares of our common stock in Canada and accepting a purchase confirmation a purchaser is representing to us and the dealer from whom the purchase confirmation is received that:

the purchaser is entitled under applicable provincial securities laws to purchase shares of our common stock without the benefit of a prospectus qualified under those securities laws,

where required by law, that the purchaser is purchasing as principal and not as agent,

the purchaser has reviewed the text above under Resale Restrictions, and

the purchaser acknowledges and consents to the provision of specified information concerning its purchase of shares of our common stock to the regulatory authority that by law is entitled to collect the information.

Further details concerning the legal authority for this information is available on request.

Rights of Action Ontario Purchasers Only

Under Ontario securities legislation, certain purchasers who purchase a security offered by this prospectus supplement during the period of distribution will have a statutory right of action for damages, or while still the owner of the shares of our common stock, for rescission against us in the event that this prospectus supplement contains a misrepresentation without regard to whether the purchaser relied on the misrepresentation. The right of action for damages is exercisable not later than the earlier of 180 days from the date the purchaser first had knowledge of the facts giving rise to the cause of action and three years from the date on which payment is made for the shares of our common stock. The right of action for rescission is exercisable not later than 180 days from the date on which payment is made for the shares of our common stock. If a purchaser elects to exercise the right of action for rescission, the purchaser will have no right of action for damages against

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

us. In no case will the amount recoverable in any action exceed the price at which shares of our common stock were offered to the purchaser and if the purchaser is shown to have purchased the securities with knowledge of the misrepresentation, we will have no liability. In the case of an action for damages, we will not be liable for all or any portion of the damages that are proven to not represent the depreciation in value of shares of our common stock as a result of the misrepresentation relied upon. These rights are in addition to, and without derogation from, any other rights or remedies available at law to an Ontario purchaser. The foregoing is a summary of the rights available to an Ontario purchaser. Ontario purchasers should refer to the complete text of the relevant statutory provisions.

Enforcement of Legal Rights

All of our directors and officers as well as the experts named herein may be located outside of Canada and, as a result, it may not be possible for Canadian purchasers to effect service of process within Canada upon us or

S-23

Table of Contents

those persons. All or a substantial portion of our assets and the assets of those persons may be located outside of Canada and, as a result, it may not be possible to satisfy a judgment against us or those persons in Canada or to enforce a judgment obtained in Canadian courts against us or those persons outside of Canada.

Taxation and Eligibility for Investment

Canadian purchasers of shares of our common stock should consult their own legal and tax advisors with respect to the tax consequences of an investment in the shares of our common stock in their particular circumstances and about the eligibility of the shares of our common stock for investment by the purchaser under relevant Canadian legislation.

S-24

Table of Contents

LEGAL MATTERS

Certain legal matters will be passed upon for us by Latham & Watkins LLP, Los Angeles, California, and for the underwriters by Goodwin Procter LLP, Boston, Massachusetts. Venable LLP, Baltimore, Maryland, will issue an opinion to us regarding certain matters of Maryland law, including the validity of the common stock offered hereby.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any document we file with the SEC at the SEC's public reference rooms at 100 F Street, N.E. Room 1580, Washington, DC 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference rooms. The SEC also maintains a web site that contains reports, proxy and information statements, and other information regarding registrants that file electronically with the SEC at <http://www.sec.gov>. You can inspect reports and other information we file at the offices of the NYSE, 20 Broad Street, New York, New York 10005. In addition, we maintain a web site that contains information about us at <http://www.digitalrealtytrust.com>. The information on our website is not part of this prospectus supplement or the accompanying prospectus.

We have filed with the SEC a registration statement on Form S-3 (File No. 333-158958), of which this prospectus supplement and the accompanying prospectus are a part, including exhibits, schedules and amendments filed with, or incorporated by reference in, such registration statement, under the Securities Act. This prospectus supplement and the accompanying prospectus do not contain all of the information set forth in the registration statement and exhibits and schedules to the registration statement. For further information with respect to our company, reference is made to the registration statement, including the exhibits to the registration statement. Statements contained in this prospectus supplement and the accompanying prospectus as to the contents of any contract or other document referred to, or incorporated by reference, in this prospectus supplement and the accompanying prospectus are not necessarily complete and, where that contract or document is an exhibit to the registration statement, each statement is qualified in all respects by the exhibit to which the reference relates. Copies of the registration statement, including the exhibits and schedules to the registration statement, may be examined at the SEC's public reference rooms at 100 F Street, N.E. Room 1580, Washington, DC 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference rooms. Copies of all or a portion of the registration statement can be obtained from the public reference room of the SEC upon payment of prescribed fees. The registration statement is also available to you on the SEC's web site, <http://www.sec.gov>.

EXPERTS

The consolidated financial statements and financial statement schedule III of Digital Realty Trust, Inc. and subsidiaries as of December 31, 2009 and 2008, and for each of the years in the three-year period ended December 31, 2009, and management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2009, have all been incorporated by reference in this preliminary prospectus supplement in reliance upon the reports of KPMG LLP, independent registered public accounting firm, incorporated by reference herein, and upon the authority of said firm as experts in accounting and auditing.

The combined statement of revenue and certain expenses of the New England Portfolio for the year ended December 31, 2008, incorporated by reference herein, from our current report on Form 8-K/A filed on March 24, 2010, in reliance upon the report of KPMG LLP, independent auditors, have been incorporated by reference herein, and upon the authority of said firm as experts in accounting and auditing. KPMG LLP's report refers to

Table of Contents

the fact that the combined statement of revenue and certain expenses were prepared for the purpose of complying with the rules and regulations of the SEC and are not intended to be a complete presentation of revenue and expenses.

The combined statement of revenue and certain expenses of the Rockwood Predecessor Data Centers for the year ended December 31, 2009 included in our Current Report on Form 8-K filed with the SEC on June 2, 2010 has been audited by Ernst & Young LLP, independent auditors, as set forth in their report thereon, and incorporated herein by reference. Such combined statement of revenue and certain expenses of the Rockwood Predecessor Data Centers is incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

S-26

Table of Contents

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to incorporate by reference the information we file with the SEC, which means that we can disclose important information to you by referring to those documents. The information incorporated by reference is an important part of this prospectus supplement. The incorporated documents contain significant information about us, our business and our finances. Any statement contained in a document which is incorporated by reference in this prospectus supplement is automatically updated and superseded if information contained in this prospectus supplement, or information that we later file with the SEC, modifies or replaces this information. We incorporate by reference the following documents we filed with the SEC:

our Annual Report on Form 10-K for the year ended December 31, 2009;

our Definitive Proxy Statement on Schedule 14A filed with the SEC on February 26, 2010 (solely to the extent specifically incorporated by reference into our Annual Report on Form 10-K for the year ended December 31, 2009);

our Quarterly Report on Form 10-Q for the quarter ended March 31, 2010;

our Current Report on Form 8-K filed with the SEC on June 2, 2010;

our Current Report on Form 8-K filed with the SEC on May 6, 2010;

our Current Reports on Form 8-K filed with the SEC on May 3, 2010;

our Current Reports on Form 8-K and Form 8-K/A filed with the SEC on March 24, 2010;

our Current Report on Form 8-K/A filed with the SEC on March 1, 2010;

our Current Report on Form 8-K filed with the SEC on January 29, 2010;

our Current Reports on Form 8-K filed with the SEC on January 22, 2010;

our Current Report on Form 8-K filed with the SEC on January 21, 2010;

our Current Report on Form 8-K filed with the SEC on January 8, 2010;

the description of our common stock, par value \$0.01 per share, contained in our Registration Statement on Form 8-A filed on October 28, 2004 (file number 001-32336), including any amendment or reports filed for the purpose of updating this description; and

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

all documents filed by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, after the date of this prospectus supplement and prior to the termination of the offering of the underlying securities (excluding any portions of such documents that are deemed furnished to the SEC pursuant to applicable rules and regulations).

We will provide without charge to each person to whom a prospectus supplement is delivered, on written or oral request of that person, a copy of any or all of the documents we are incorporating by reference into this prospectus supplement, other than exhibits to those documents unless those exhibits are specifically incorporated by reference into those documents. A written request should be addressed to Joshua A. Mills, General Counsel and Assistant Secretary, Digital Realty Trust, Inc., 560 Mission Street, Suite 2900, San Francisco, California 94105.

S-27

Table of Contents

PROSPECTUS

Digital Realty Trust, Inc.

Common Stock, Preferred Stock, Depositary Shares and Warrants

We may from time to time offer, in one or more series or classes, separately or together, and in amounts, at prices and on terms to be set forth in one or more supplements to this prospectus, the following securities:

shares of our common stock, par value \$0.01 per share;

shares of our preferred stock, par value \$0.01 per share;

depositary shares representing entitlement to all rights and preferences of fractions of shares of preferred stock of a specified series and represented by depositary receipts; or

warrants to purchase shares of our common stock or preferred stock or depositary shares.

This prospectus also covers delayed delivery contracts that may be issued by the registrant under which the counterparty may be required to purchase common stock, preferred stock, depositary shares or warrants to purchase common stock or preferred stock. Delayed delivery contracts may be issued together with the specific securities to which they relate. In addition, securities registered hereunder may be sold separately, together or as units with other securities registered hereunder.

We refer to the common stock, preferred stock, depositary shares and warrants registered hereunder collectively as the securities in this prospectus. We will offer our securities in amounts, at prices and on terms determined at the time of the offering of any such security.

The specific terms of each series or class of the securities will be set forth in the applicable prospectus supplement and will include, as applicable: (i) in the case of our common stock, any public offering price; (ii) in the case of our preferred stock, the specific title and any dividend, liquidation, redemption, conversion, voting and other rights and any public offering price; (iii) in the case of depositary shares, the fractional share of preferred stock represented by each such depositary share; and (iv) in the case of warrants, the duration, offering price, exercise price and detachability. In addition, because we are organized and conduct our operations so as to qualify as a real estate investment trust, or REIT, for federal income tax purposes, the specific terms of any securities may include limitations on actual or constructive ownership and restrictions on transfer of the securities, in each case as may be appropriate to preserve the status of our company as a REIT.

The applicable prospectus supplement will also contain information, where applicable, about certain United States federal income tax consequences relating to, and any listing on a securities exchange of, the securities covered by such prospectus supplement.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

The securities may be offered directly by us, through agents designated from time to time by us or to or through underwriters or dealers. These securities also may be resold by securityholders, if so provided in a prospectus supplement hereto. We will provide specific information about any selling securityholders in one or more supplements to this prospectus. If any agents, dealers or underwriters are involved in the sale of any of the securities, their names, and any applicable purchase price, fee, commission or discount arrangement between or among them will be set forth, or will be calculable from the information set forth, in the applicable prospectus supplement. See the sections entitled "Plan of Distribution" and "About this Prospectus" for more information. No securities may be sold without delivery of this prospectus and the applicable prospectus supplement describing the method and terms of the offering of such series of securities.

Our common stock currently trades on the New York Stock Exchange, or NYSE, under the symbol "DLR".

See **Risk Factors** beginning on page 2 for certain risk factors relevant to an investment in our securities.

Neither the United States Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is May 1, 2009.

Table of Contents**TABLE OF CONTENTS**

	Page
<u>OUR COMPANY</u>	1
<u>RISK FACTORS</u>	2
<u>ABOUT THIS PROSPECTUS</u>	2
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	2
<u>INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE</u>	3
<u>FORWARD-LOOKING STATEMENTS</u>	4
<u>USE OF PROCEEDS</u>	6
<u>RATIO OF EARNINGS TO FIXED CHARGES AND PREFERRED DIVIDENDS</u>	7
<u>DESCRIPTION OF SECURITIES</u>	8
<u>RESTRICTIONS ON OWNERSHIP AND TRANSFER</u>	22
	Page
<u>DESCRIPTION OF THE PARTNERSHIP AGREEMENT OF DIGITAL REALTY TRUST, L.P.</u>	26
<u>MATERIAL PROVISIONS OF MARYLAND LAW AND OF OUR CHARTER AND BYLAWS</u>	32
<u>UNITED STATES FEDERAL INCOME TAX CONSIDERATIONS</u>	38
<u>SELLING SECURITYHOLDERS</u>	57
<u>PLAN OF DISTRIBUTION</u>	57
<u>LEGAL MATTERS</u>	59
<u>EXPERTS</u>	59

You should rely only on the information contained in this prospectus, in an accompanying prospectus supplement or incorporated by reference herein or therein. We have not authorized anyone to provide you with information or make any representation that is different. If anyone provides you with different or inconsistent information, you should not rely on it. This prospectus and any accompanying prospectus supplement do not constitute an offer to sell or a solicitation of an offer to buy any securities other than the registered securities to which they relate, and this prospectus and any accompanying prospectus supplement do not constitute an offer to sell or the solicitation of an offer to buy securities in any jurisdiction where, or to any person to whom, it is unlawful to make such an offer or solicitation. You should not assume that the information contained in this prospectus and any accompanying prospectus supplement is correct on any date after the respective dates of the prospectus and such prospectus supplement or supplements, as applicable, even though this prospectus and such prospectus supplement or supplements are delivered or shares are sold pursuant to the prospectus and such prospectus supplement or supplements at a later date. Since the respective dates of the prospectus contained in this registration statement and any accompanying prospectus supplement, our business, financial condition, results of operations and prospects may have changed. We may only use this prospectus to sell the securities if it is accompanied by a prospectus supplement.

Table of Contents

OUR COMPANY

We own, acquire, develop, redevelop and manage technology-related real estate. Our properties are diversified in major markets where corporate datacenter and technology tenants are concentrated, including the Chicago, Dallas, Los Angeles, New York, Northern Virginia, Phoenix, San Francisco and Silicon Valley metropolitan areas in the U.S. and the London, Dublin, Paris and Amsterdam markets in Europe. Our portfolio consists of Internet gateway and corporate datacenter properties, technology manufacturing properties and regional or national headquarters of technology companies. We operate as a real estate investment trust, or REIT, for U.S. federal income tax purposes.

Our principal executive offices are located at 560 Mission Street, Suite 2900, San Francisco, California 94105. Our telephone number is (415) 738-6500. Our website is located at www.digitalrealtytrust.com. The information found on, or accessible through, our website is not incorporated into, and does not form a part of, this prospectus or any other report or document we file with or furnish to the United States Securities and Exchange Commission, or the SEC.

Table of Contents

RISK FACTORS

Investment in any securities offered pursuant to this prospectus involves risks. You should carefully consider the risk factors incorporated by reference to our most recent Annual Report on Form 10-K and subsequent Quarterly Reports on Form 10-Q and the other information contained or incorporated by reference in this prospectus, as updated by our subsequent filings under the Securities Exchange Act of 1934, as amended, or the Exchange Act, and the risk factors and other information contained in the applicable prospectus supplement before acquiring any of such securities.

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the United States Securities and Exchange Commission, or SEC, using a shelf registration process. Under this process, we may sell common stock, preferred stock, depositary shares and warrants in one or more offerings. This prospectus provides you with a general description of the securities we may offer. Each time we sell securities, we will provide a prospectus supplement containing specific information about the terms of the applicable offering. Such prospectus supplement may add, update or change information contained in this prospectus. To the extent that this prospectus is used by any securityholder to resell any securities, information with respect to the securityholder and the terms of the securities being offered will be contained in a prospectus supplement. You should read this prospectus and the applicable prospectus supplement together with additional information described under the heading **Where You Can Find More Information**.

We or any selling securityholders may offer the securities directly, through agents, or to or through underwriters. The applicable prospectus supplement will describe the terms of the plan of distribution and set forth the names of any underwriters involved in the sale of the securities. See **Plan of Distribution** for more information on this topic. No securities may be sold without delivery of a prospectus supplement describing the method and terms of the offering of those securities.

Unless otherwise indicated or unless the context requires otherwise, all references in this prospectus to **we**, **us**, **our** or **our company** refer to Digital Realty Trust, Inc. together with our consolidated subsidiaries, including Digital Realty Trust, L.P., a Maryland limited partnership of which we are the sole general partner and which we refer to in this prospectus as our operating partnership.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any document we file with the SEC at the SEC's public reference room at 100 F Street, N.E. Room 1580, Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information about the public reference room. The SEC also maintains a web site that contains reports, proxy and information statements and other information regarding registrants that file electronically with the SEC at <http://www.sec.gov>. You can inspect reports and other information we file at the offices of the NYSE, 20 Broad Street, New York, New York 10005. In addition, we maintain a website that contains information about us at <http://www.digitalrealtytrust.com>. The information found on, or otherwise accessible through, our website is not incorporated into, and does not form a part of, this prospectus or any other report or document we file with or furnish to the SEC.

We have filed with the SEC a registration statement on Form S-3, of which this prospectus is a part, including exhibits, schedules and amendments filed with, or incorporated by reference in, this registration statement, under the Securities Act of 1933, as amended, or the

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

Securities Act, with respect to the securities registered hereby. This prospectus and any accompanying prospectus supplement do not contain all of the information set forth in the registration statement and exhibits and schedules to the registration statement. For further information with respect to our company and the securities registered hereby, reference is made to the registration statement, including the exhibits to the registration statement. Statements contained in this prospectus and any accompanying prospectus supplement as to the contents of any contract or other document referred to in, or incorporated by reference in, this prospectus and any accompanying prospectus supplement are not necessarily complete and, where that contract is an exhibit to the registration statement, each statement is qualified in all respects by the exhibit to which the reference relates. Copies of the registration statement, including the exhibits and schedules to the registration statement, may be examined at the SEC's public reference room. Copies of all or a portion of the registration statement can be obtained from the public reference room of the SEC upon payment of prescribed fees. This registration statement is also available to you on the SEC's website.

Table of Contents

INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The SEC allows us to incorporate by reference the information we file with the SEC, which means that we can disclose important information to you by referring to those documents. The information incorporated by reference is an important part of this prospectus. The incorporated documents contain significant information about us, our business and our finances. Any statement contained in a document which is incorporated by reference in this prospectus is automatically updated and superseded if information contained in this prospectus, or information that we later file with the SEC, modifies or replaces this information. We incorporate by reference the following documents we filed with the SEC:

our Annual Report on Form 10-K for the year ended December 31, 2008;

our Definitive Proxy Statement on Schedule 14A filed with the SEC on April 6, 2009 (solely to the extent specifically incorporated by reference into our Annual Report on Form 10-K for the year ended December 31, 2008);

our Current Report on Form 8-K filed with the SEC on February 13, 2009;

our Current Report on Form 8-K filed with the SEC on March 19, 2009;

our Current Report on Form 8-K filed with the SEC on April 13, 2009;

our Current Report on Form 8-K filed with the SEC on April 22, 2009;

the description of our Series B Cumulative Redeemable Preferred Stock, par value \$0.01 per share, contained in our Registration Statement on Form 8-A filed on July 20, 2005 (file number 001-32336), including any amendment or reports filed for the purpose of updating this description;

the description of our Series A Cumulative Redeemable Preferred Stock, par value \$0.01 per share, contained in our Registration Statement on Form 8-A filed on February 2, 2005 (file number 001-32336), including any amendment or reports filed for the purpose of updating this description;

the description of our common stock, par value \$0.01 per share, contained in our Registration Statement on Form 8-A filed on October 28, 2004 (file number 001-32336), including any amendment or reports filed for the purpose of updating this description; and

all documents filed by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, after the date of this prospectus and prior to the termination of the offering of the underlying securities (excluding any portions of such documents that are deemed furnished to the SEC pursuant to applicable rules and regulations).

We will provide without charge to each person, including any beneficial owner, to whom a prospectus is delivered, on written or oral request of that person, a copy of any or all of the documents we are incorporating by reference into this prospectus, other than exhibits to those documents unless those exhibits are specifically incorporated by reference into those documents. A written request should be addressed to Joshua A. Mills, General Counsel and Assistant Secretary, Digital Realty Trust, Inc., 560 Mission Street, Suite 2900, San Francisco, California 94105.

Table of Contents

FORWARD-LOOKING STATEMENTS

This prospectus, including the documents that we incorporate by reference, contains forward-looking statements within the meaning of the safe harbor from civil liability provided for such statements by the Private Securities Litigation Reform Act of 1995 (set forth in Section 27A of the Securities Act and Section 21E of the Exchange Act). Also, documents we subsequently file with the SEC and incorporate by reference will contain forward-looking statements. In particular, statements pertaining to our capital resources, portfolio performance and results of operations contain forward-looking statements. Likewise, pro forma financial statements and other pro forma information incorporated by reference and all our statements regarding anticipated growth in our funds from operations and anticipated market conditions, demographics and results of operations are forward-looking statements. Forward-looking statements involve numerous risks and uncertainties and you should not rely on them as predictions of future events. Forward-looking statements depend on assumptions, data or methods which may be incorrect or imprecise and we may not be able to realize them. We do not guarantee that the transactions and events described will happen as described (or that they will happen at all). You can identify forward-looking statements by the use of forward-looking terminology such as believes, expects, may, will, should, seeks, approximately, intends, plans, pro forma, estimates or anticipates or the negative of these words and phrases or similar phrases. You can also identify forward-looking statements by discussions of strategies, plans or intentions. The following factors, among others, could cause actual results and future events to differ materially from those set forth or contemplated in the forward-looking statements:

the impact of the current deterioration in global economic and market conditions;

adverse economic or real estate developments in our markets or the industry sectors that we sell to;

decreases in information technology spending;

our dependence upon significant tenants;

bankruptcy or insolvency of a major tenant or a significant number of smaller tenants;

downturn of local economic conditions in our geographic markets;

our inability to comply with the rules and regulations applicable to public companies or to manage our growth effectively;

difficulty acquiring or operating properties in foreign jurisdictions;

defaults on or non-renewal of leases by tenants;

increased interest rates and operating costs;

our failure to obtain necessary outside financing;

restrictions on our ability to engage in certain business activities;

risks related to joint venture investments;

decreased rental rates or increased vacancy rates;

inability to successfully develop and lease new properties and space held for redevelopment;

difficulties in identifying properties to acquire and completing acquisitions;

increased competition or available supply of data center space;

our failure to successfully operate acquired properties;

our possible inability to acquire off-market properties;

delays or unexpected costs in development or redevelopment of properties;

our possible failure to maintain our status as a REIT;

Table of Contents

possible adverse changes to tax laws;

environmental uncertainties and risks related to natural disasters;

financial market fluctuations;

changes in foreign currency exchange rates;

changes in foreign laws and regulations, including those related to taxation and real estate ownership and operation; and

changes in real estate and zoning laws and increases in real property tax rates.

For a further discussion of these and other factors that could impact our future results, performance or transactions, see the section entitled "Risk Factors," including the risks incorporated therein, from our most recent Annual Report on Form 10-K, as updated by our subsequent filings, including filings we make after the date of this prospectus.

Table of Contents

USE OF PROCEEDS

Unless we indicate otherwise in the applicable prospectus supplement, we intend to contribute the net proceeds from any sale of the securities pursuant to this prospectus to our operating partnership. Our operating partnership will subsequently use the net proceeds received from us to potentially acquire or develop additional properties and for general corporate purposes, which may include the repayment of existing indebtedness. Pending application of cash proceeds, we may use the net proceeds to temporarily reduce borrowings under our revolving credit facility or we may invest the net proceeds in interest-bearing accounts and short-term, interest-bearing securities which are consistent with our intention to qualify as a REIT for U.S. federal income tax purposes. We will not receive any of the proceeds from sales of securities by selling securityholders, if any, pursuant to this prospectus. Further details regarding the use of the net proceeds of a specific series or class of the securities will be set forth in the applicable prospectus supplement.

Table of Contents

RATIO OF EARNINGS TO FIXED CHARGES AND PREFERRED DIVIDENDS

Our ratios of earnings to fixed charges and earnings to fixed charges and preferred dividends for the periods indicated are as follows:

Digital Realty Trust, Inc.

Statement of Computation of Ratios

	The Company Year ended December 31,				The Company and the Predecessor
	2008	2007	2006	2005	2004
Ratio of earnings to fixed charges	1.65	1.17	1.41	1.68	
Ratio of earnings to fixed charges and preferred stock dividends	1.12		1.12	1.31	

Our ratios of earnings to fixed charges are computed by dividing earnings by fixed charges. Our ratios of earnings to fixed charges and preferred dividends are computed by dividing earnings by the sum of fixed charges and preferred dividends. For this purpose, earnings consist of income (loss) from continuing operations before minority interests and fixed charges. Fixed charges consist of interest expense, capitalized interest and amortization of deferred financing fees, whether expensed or capitalized, and interest within rental expense. Preferred stock dividends consist of the amount of pre-tax earnings required to pay dividends on our series A preferred stock, series B preferred stock, series C preferred stock and series D preferred stock.

For the year ended December 31, 2007, earnings were insufficient to cover fixed charges and preferred dividends by \$5.7 million. For the year ended December 31, 2004, earnings were insufficient to cover fixed charges and fixed charges and preferred dividends by \$5.3 million.

Table of Contents

DESCRIPTION OF SECURITIES

The following summary of the material terms of our securities sets forth certain general terms and provisions of the securities to which any prospectus supplement may relate. This summary does not purport to be complete and is subject to and qualified in its entirety by reference to our charter documents and bylaws, copies of which we have previously filed with the SEC. See [Where You Can Find More Information](#).

We may from time to time offer under this prospectus one or more of the following categories of our securities:

shares of our common stock, par value \$0.01 per share;

shares of our preferred stock, par value \$0.01 per share;

depository shares representing entitlement to all rights and preferences of fractions of shares of preferred stock of a specified series and represented by depository receipts; or

warrants to purchase shares of our common stock or preferred stock or depository shares.

The terms of any specific offering of our securities, including the terms of any units of a combination of our securities, will be described in a prospectus supplement relating to such offering.

Description of Common Stock

General. Our charter provides that we may issue up to 125 million shares of our common stock, par value \$0.01 per share, or common stock. As of March 31, 2009, 76,042,511 shares of our common stock were issued and outstanding, excluding:

4,032,511 shares available for future issuance under our incentive award plan;

909,911 shares underlying options granted under our incentive award plan;

874,259 shares issuable upon redemption of outstanding vested long-term incentive units (including class C units) issued under our incentive award plan;

482,002 shares issuable upon redemption of outstanding unvested long-term incentive units issued under our incentive award plan;

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

4,581,944 shares issuable upon redemption of outstanding common units;

728,202 shares potentially issuable upon redemption of outstanding unvested class C units;

22,522 restricted shares issued under our incentive award plan; and

3,614,777 shares potentially issuable upon conversion of our series C cumulative convertible preferred stock, using the current conversion rate, 8,215,221 shares potentially issuable upon conversion of our series D cumulative convertible preferred stock, using the current conversion rate and 5,353,883 shares potentially issuable upon exchange of our 4.125% exchangeable senior debentures, using the current conversion rate.

All outstanding shares of our common stock are duly authorized, fully paid and nonassessable. Subject to the preferential rights of any other class or series of stock and to the provisions of our charter regarding the restrictions on transfer of stock, holders of shares of our common stock are entitled to receive dividends on such stock if, as and when authorized by our board of directors out of assets legally available therefor and declared by us and to share ratably in the assets of our company legally available for distribution to our stockholders in the event of our liquidation, dissolution or winding up after payment or establishment of reserves for all known debts and liabilities of our company.

Table of Contents

Subject to the provisions of our charter regarding the restrictions on transfer of stock and except as may be otherwise specified therein with respect to any class or series of common stock, each outstanding share of our common stock entitles the holder to one vote on all matters submitted to a vote of stockholders, including the election of directors and, except as provided with respect to any other class or series of stock, the holders of such shares will possess the exclusive voting power. There is no cumulative voting in the election of our board of directors, which means that the holders of a majority of the outstanding shares of our common stock can elect all of the directors then standing for election and the holders of the remaining shares will not be able to elect any directors.

Holders of shares of our common stock have no preference, conversion, exchange, sinking fund or redemption rights, have no preemptive rights to subscribe for any securities of our company and generally have no appraisal rights unless our board of directors determines that appraisal rights apply, with respect to all or any classes or series of stock, to one or more transactions occurring after the date of such determination in connection with which stockholders would otherwise be entitled to exercise appraisal rights. Subject to the provisions of our charter regarding the restrictions on transfer of stock, shares of our common stock will have equal dividend, liquidation and other rights.

Under the Maryland General Corporation Law, or MGCL, a Maryland corporation generally cannot dissolve, amend its charter, merge, sell all or substantially all of its assets, engage in a share exchange or engage in similar transactions outside the ordinary course of business unless the action is approved by the affirmative vote of stockholders entitled to cast at least two-thirds of the votes entitled to be cast on the matter unless a lesser percentage (but not less than a majority of all of the votes entitled to be cast on the matter) is set forth in the corporation's charter. Except for certain charter amendments relating to the removal of directors, our charter provides that these actions may be taken if declared advisable by a majority of our board of directors and approved by the vote of a majority of the votes entitled to be cast on the matter. However, Maryland law permits a corporation to transfer all or substantially all of its assets without the approval of the stockholders of the corporation to one or more persons if all of the equity interests of the person or persons are owned, directly or indirectly, by the corporation. In addition, operating assets may be held by a corporation's subsidiaries, as in our situation, and these subsidiaries may be able to transfer all or substantially all of such assets without a vote of the parent corporation's stockholders.

Our charter authorizes our board of directors to reclassify any unissued shares of our common stock into other classes or series of stock and to establish the number of shares in each class or series and to set the preferences, conversion and other rights, voting powers, restrictions, limitations as to dividends or other distributions, qualifications or terms or conditions of redemption for each such class or series.

Power to Increase Authorized Stock and Issue Additional Shares of Our Common Stock. Our board of directors has the power to amend our charter without stockholder approval to increase or decrease the number of authorized shares of common stock, to issue additional authorized but unissued shares of our common stock and to classify or reclassify unissued shares of our common stock and thereafter to cause us to issue such classified or reclassified shares of stock. We believe these powers provide us with increased flexibility in structuring possible future financings and acquisitions and in meeting other needs which might arise. Subject to the limited rights of holders of our series A preferred stock, series B preferred stock, series C preferred stock and series D preferred stock and each other parity class or series of preferred stock, voting together as a single class, to approve certain issuances of senior classes or series of stock, the additional classes or series, as well as the common stock, will be available for issuance without further action by our stockholders, unless stockholder consent is required by applicable law or the rules of any stock exchange or automated quotation system on which our securities may be listed or traded. Although our board of directors does not intend to do so, it could authorize us to issue a class or series that could, depending upon the terms of the particular class or series, delay, defer or prevent a transaction or a change of control of our company that might involve a premium price for our stockholders or otherwise be in their best interest.

Table of Contents

Restrictions on Ownership and Transfer. To assist us in complying with certain federal income tax requirements applicable to REITs, we have adopted certain restrictions relating to the ownership and transfer of our common stock. See [Restrictions on Ownership and Transfer](#).

Transfer Agent and Registrar. The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company.

Description of Preferred Stock

General. Our charter provides that we may issue up to 30 million shares of preferred stock, \$0.01 par value per share, or preferred stock. Our charter authorizes our board of directors to amend our charter without stockholder approval to increase the number of authorized shares of preferred stock. As of March 31, 2009, 4,140,000 shares of our series A preferred stock, 2,530,000 shares of our series B preferred stock, 6,999,955 shares of our series C preferred stock and 13,795,500 shares of our series D preferred stock were issued and outstanding. No other shares of preferred stock are currently outstanding.

Our charter authorizes our board of directors to classify any unissued shares of preferred stock and to reclassify any previously classified but unissued shares of any series. Prior to issuance of shares of each series, our board of directors is required by the MGCL and our charter to set, subject to the provisions of our charter regarding the restrictions on transfers of stock, the terms, preferences, conversion or other rights, voting powers, restrictions, limitations as to dividends or other distributions, qualifications and terms or conditions of redemption for each such series. Thus, our board of directors could authorize the issuance of shares of preferred stock with terms and conditions which could have the effect of delaying, deferring or preventing a transaction or a change of control of our company that might involve a premium price for holders of our common stock or otherwise be in their best interest.

The specific terms of a particular class or series of preferred stock will be described in the prospectus supplement relating to that class or series, including a prospectus supplement providing that preferred stock may be issuable upon the exercise of warrants we issue. The description of preferred stock set forth below and the description of the terms of a particular class or series of preferred stock set forth in the applicable prospectus supplement do not purport to be complete and are qualified in their entirety by reference to the articles supplementary relating to that class or series.

The preferences and other terms of the preferred stock of each class or series will be fixed by the articles supplementary relating to such class or series. A prospectus supplement, relating to each class or series, will specify the terms of the preferred stock, including, where applicable, the following:

- (i) the title and stated value of such preferred stock;
- (ii) the number of shares of such preferred stock offered, the liquidation preference per share and the offering price of such preferred stock;
- (iii) the dividend rate(s), period(s), and/or payment date(s) or method(s) of calculation thereof applicable to such preferred stock;

(iv) whether such preferred stock is cumulative or not and, if cumulative, the date from which dividends on such preferred stock shall accumulate;

(v) the provision for a sinking fund, if any, for such preferred stock;

(vi) the provision for redemption, if applicable, of such preferred stock;

(vii) any listing of such preferred stock on any securities exchange;

(viii) preemptive rights, if any;

Table of Contents

(ix) the terms and conditions, if applicable, upon which such preferred stock will be converted into our common stock, including the conversion price (or manner of calculation thereof);

(x) a discussion of any material United States federal income tax consequences applicable to an investment in such preferred stock;

(xi) any limitations on actual and constructive ownership and restrictions on transfer, in each case as may be appropriate to preserve our status as a REIT;

(xii) the relative ranking and preferences of such preferred stock as to dividend rights and rights upon liquidation, dissolution or winding up of the affairs of our company;

(xiii) any limitations on issuance of any class or series of preferred stock ranking senior to or on a parity with such class or series of preferred stock as to dividend rights and rights upon liquidation, dissolution or winding up of the affairs of our company;

(xiv) any voting rights of such preferred stock; and

(xv) any other specific terms, preferences, rights, limitations or restrictions of such preferred stock.

Rank. Unless otherwise specified in the applicable prospectus supplement, the preferred stock will, with respect to dividend rights and rights upon liquidation, dissolution or winding up of our company, rank: (i) senior to all classes or series of our common stock, and to any other class or series of our stock expressly designated as ranking junior to the preferred stock; (ii) on parity with any class or series of our stock expressly designated as ranking on parity with the preferred stock; and (iii) junior to any other class or series of our stock expressly designated as ranking senior to the preferred stock.

Conversion Rights. The terms and conditions, if any, upon which any shares of any class or series of preferred stock are convertible into our common stock will be set forth in the applicable prospectus supplement relating thereto. Such terms will include the number of shares of our common stock into which the shares of preferred stock are convertible, the conversion price (or manner of calculation thereof), the conversion period, provisions as to whether conversion will be at the option of the holders of such class or series of preferred stock, the events requiring an adjustment of the conversion price and provisions affecting conversion in the event of the redemption of such class or series of preferred stock.

Power to Increase Authorized Stock and Issue Additional Shares of Our Preferred Stock. Our board of directors has the power to amend our charter without stockholder approval to increase the number of authorized shares of preferred stock, to issue additional authorized but unissued shares of our preferred stock and to classify or reclassify unissued shares of our preferred stock and thereafter to cause us to issue such classified or reclassified shares of stock. Subject to the limited rights of holders of our series A preferred stock, series B preferred stock, series C preferred stock and series D preferred stock and each other parity class or series of preferred stock, voting together as a single class, to approve certain issuances of senior classes or series of stock, the additional classes or series will be available for issuance without further action by our stockholders, unless stockholder consent is required by applicable law or the rules of any stock exchange or automated quotation system on

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

which our securities may be listed or traded. Although our board of directors does not intend to do so, it could authorize us to issue a class or series that could, depending upon the terms of the particular class or series, delay, defer or prevent a transaction or a change of control of our company that might involve a premium price for our stockholders or otherwise be in their best interest.

Restrictions on Ownership and Transfer. To assist us in complying with certain federal income tax requirements applicable to REITs, we have adopted certain restrictions relating to the ownership and transfer of our series A preferred stock, series B preferred stock, series C preferred stock and series D preferred stock. We expect to adopt similar restrictions with respect to any class or series offered pursuant to this prospectus under the articles supplementary for each such class or series. The applicable prospectus supplement will specify any additional ownership limitation relating to such class or series. See [Restrictions on Ownership and Transfer](#).

Table of Contents

8.50% Series A Cumulative Redeemable Preferred Stock

General. Our board of directors and a duly authorized committee thereof approved articles supplementary, a copy of which we have previously filed with the SEC and which we incorporate by reference as an exhibit to the registration statement of which this prospectus is a part, creating the series A preferred stock as a series of our preferred stock, designated as the 8.50% Series A Cumulative Redeemable Preferred Stock. The series A preferred stock is validly issued, fully paid and nonassessable.

The series A preferred stock is currently listed on the NYSE as DLR Pr A .

Ranking. The series A preferred stock ranks, with respect to dividend rights and rights upon our liquidation, dissolution or winding-up:

senior to all classes or series of our common stock, and to any other class or series of our stock expressly designated as ranking junior to the series A preferred stock;

on parity with any class or series of our stock expressly designated as ranking on parity with the series A preferred stock, including our series B preferred stock, series C preferred stock and series D preferred stock; and

junior to any other class or series of our stock expressly designated as ranking senior to the series A preferred stock.

Dividend Rate and Payment Date. Investors are entitled to receive cumulative cash dividends on the series A preferred stock from and including the date of original issue, payable quarterly in arrears on or about the last calendar day of March, June, September and December of each year, commencing March 31, 2005, at the rate of 8.50% per annum of the \$25.00 liquidation preference per share (equivalent to an annual amount of \$2.125 per share). Dividends on the series A preferred stock will accrue whether or not we have earnings, whether or not there are funds legally available for the payment of such dividends and whether or not such dividends are authorized or declared.

Liquidation Preference. If we liquidate, dissolve or wind-up, holders of the series A preferred stock will have the right to receive \$25.00 per share, plus accrued and unpaid dividends (whether or not earned or declared) up to but excluding the date of payment, before any payment is made to holders of our common stock and any other class or series of stock ranking junior to the series A preferred stock as to liquidation rights. The rights of holders of series A preferred stock to receive their liquidation preference will be subject to the proportionate rights of any other class or series of our stock ranking on parity with the series A preferred stock as to liquidation.

Optional Redemption. We may not redeem the series A preferred stock prior to February 9, 2010, except in limited circumstances to preserve our status as a REIT. On and after February 9, 2010, the series A preferred stock will be redeemable at our option, in whole or in part at any time or from time to time, for cash at a redemption price of \$25.00 per share, plus accrued and unpaid dividends up to but excluding the redemption date. Any partial redemption will be on a pro rata basis.

No Maturity, Sinking Fund or Mandatory Redemption. The series A preferred stock has no maturity date and we are not required to redeem the series A preferred stock at any time. Accordingly, the series A preferred stock will remain outstanding indefinitely, unless we decide, at our option, to exercise our redemption right. The series A preferred stock is not subject to any sinking fund.

Voting Rights. Holders of series A preferred stock generally have no voting rights. However, if we are in arrears on dividends on the series A preferred stock for six or more quarterly periods, whether or not consecutive, holders of the series A preferred stock (voting together as a class with the holders of all other classes or series of parity preferred stock upon which like voting rights have been conferred and are exercisable) will be entitled to

Table of Contents

vote at our next annual meeting and each subsequent annual meeting of stockholders for the election of two additional directors to serve on our board of directors until all unpaid dividends with respect to the series A preferred stock and any other class or series of parity preferred stock have been paid or declared and a sum sufficient for the payment thereof set aside for payment. In addition, we may not make certain material and adverse changes to the terms of the series A preferred stock without the affirmative vote of the holders of at least two-thirds of the outstanding shares of series A preferred stock and the holders of all other shares of any class or series ranking on parity with the series A preferred stock that are entitled to similar voting rights (voting together as a single class).

Conversion. The series A preferred stock is not convertible into or exchangeable for any of our other property or securities.

Transfer Agent and Registrar. The transfer agent and registrar for our series A preferred stock is American Stock Transfer & Trust Company.

7.875% Series B Cumulative Redeemable Preferred Stock

General. Our board of directors and a duly authorized committee thereof approved articles supplementary, a copy of which we have previously filed with the SEC and which we incorporate by reference as an exhibit to the registration statement of which this prospectus is a part, creating the series B preferred stock as a series of our preferred stock, designated as the 7.875% Series B Cumulative Redeemable Preferred Stock. The series B preferred stock is validly issued, fully paid and nonassessable.

The series B preferred stock is currently listed on the NYSE as DLR Pr B .

Ranking. The series B preferred stock ranks, with respect to dividend rights and rights upon our liquidation, dissolution or winding-up:

senior to all classes or series of our common stock, and to any other class or series of our stock expressly designated as ranking junior to the series B preferred stock;

on parity with any class or series of our stock expressly designated as ranking on parity with the series B preferred stock, including our series A preferred stock, series C preferred stock and series D preferred stock; and

junior to any other class or series of our stock expressly designated as ranking senior to the series B preferred stock.

Dividend Rate and Payment Date. Investors are entitled to receive cumulative cash dividends on the series B preferred stock from and including the date of original issue, payable quarterly in arrears on or about the last calendar day of March, June, September and December of each year, commencing September 30, 2005, at the rate of 7.875% per annum of the \$25.00 liquidation preference per share (equivalent to an annual amount of \$1.96875 per share). Dividends on the series B preferred stock will accrue whether or not we have earnings, whether or not there are funds legally available for the payment of such dividends and whether or not such dividends are authorized or declared.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

Liquidation Preference. If we liquidate, dissolve or wind-up, holders of the series B preferred stock will have the right to receive \$25.00 per share, plus accrued and unpaid dividends (whether or not earned or declared) up to but excluding the date of payment, before any payment is made to holders of our common stock and any other class or series of stock ranking junior to the series B preferred stock as to liquidation rights. The rights of holders of series B preferred stock to receive their liquidation preference will be subject to the proportionate rights of any other class or series of our stock ranking on parity with the series B preferred stock as to liquidation.

Optional Redemption. We may not redeem the series B preferred stock prior to July 26, 2010, except in limited circumstances to preserve our status as a REIT. On and after July 26, 2010, the series B preferred stock

Table of Contents

will be redeemable at our option, in whole or in part at any time or from time to time, for cash at a redemption price of \$25.00 per share, plus accrued and unpaid dividends up to but excluding the redemption date. Any partial redemption will be on a pro rata basis.

No Maturity, Sinking Fund or Mandatory Redemption. The series B preferred stock has no maturity date and we are not required to redeem the series B preferred stock at any time. Accordingly, the series B preferred stock will remain outstanding indefinitely, unless we decide, at our option, to exercise our redemption right. The series B preferred stock is not subject to any sinking fund.

Voting Rights. Holders of series B preferred stock generally have no voting rights. However, if we are in arrears on dividends on the series B preferred stock for six or more quarterly periods, whether or not consecutive, holders of the series B preferred stock (voting together as a class with the holders of all other classes or series of parity preferred stock upon which like voting rights have been conferred and are exercisable) will be entitled to vote at our next annual meeting and each subsequent annual meeting of stockholders for the election of two additional directors to serve on our board of directors until all unpaid dividends with respect to the series B preferred stock and any other class or series of parity preferred stock have been paid or declared and a sum sufficient for the payment thereof set aside for payment. In addition, we may not make certain material and adverse changes to the terms of the series B preferred stock without the affirmative vote of the holders of at least two-thirds of the outstanding shares of series B preferred stock and the holders of all other shares of any class or series ranking on parity with the series B preferred stock that are entitled to similar voting rights (voting together as a single class).

Conversion. The series B preferred stock is not convertible into or exchangeable for any of our other property or securities.

Transfer Agent and Registrar. The transfer agent and registrar for our series B preferred stock is American Stock Transfer & Trust Company.

4.375% Series C Cumulative Convertible Preferred Stock

General. Our board of directors and a duly authorized committee thereof approved articles supplementary, a copy of which we have previously filed with the SEC and which we incorporate by reference as an exhibit to the registration statement of which this prospectus is a part, creating the series C preferred stock as a series of our preferred stock, designated as the 4.375% Series C Cumulative Convertible Preferred Stock. The series C preferred stock is validly issued, fully paid and nonassessable.

Ranking. The series C preferred stock ranks, with respect to dividend rights and rights upon our liquidation, dissolution or winding-up:

senior to all classes or series of our common stock, and to any other class or series of our stock expressly designated as ranking junior to the series C preferred stock;

on parity with any class or series of our stock expressly designated as ranking on parity with the series C preferred stock, including our series A preferred stock, series B preferred stock and series D preferred stock; and

junior to any other class or series of our stock expressly designated as ranking senior to the series C preferred stock.

Dividend Rate and Payment Date. Investors are entitled to receive cumulative cash dividends on the series C preferred stock from and including the date of original issue, payable quarterly in arrears on or about the last calendar day of March, June, September and December of each year, commencing June 30, 2007, at the rate of 4.375% per annum of the \$25.00 liquidation preference per share (equivalent to an annual amount of \$1.09375 per share). Dividends on the series C preferred stock will accrue whether or not we have earnings, whether or not there are funds legally available for the payment of such dividends and whether or not such dividends are authorized or declared.

Table of Contents

Liquidation Preference. If we liquidate, dissolve or wind-up, holders of the series C preferred stock will have the right to receive \$25.00 per share, plus accrued and unpaid dividends (whether or not earned or declared) up to but excluding the date of payment, before any payment is made to holders of our common stock and any other class or series of stock ranking junior to the series C preferred stock as to liquidation rights. The rights of holders of series C preferred stock to receive their liquidation preference will be subject to the proportionate rights of any other class or series of our stock ranking on parity with the series C preferred stock as to liquidation.

Optional Redemption. We may not redeem the series C preferred stock except in limited circumstances to preserve our status as a REIT. Any partial redemption will be on a pro rata basis.

No Maturity, Sinking Fund or Mandatory Redemption. The series C preferred stock has no maturity date and is not subject to any sinking fund and we are not required to redeem the series C preferred stock at any time.

Voting Rights. Holders of shares of the series C preferred stock will generally have no voting rights. However, if we are in arrears on dividends on the series C preferred stock for six or more quarterly periods, whether or not consecutive, holders of shares of the series C preferred stock (voting together as a class with the holders of all other classes or series of preferred stock upon which like voting rights have been conferred and are exercisable) will be entitled to vote at a special meeting called by at least 10% of such holders or at our next annual meeting and each subsequent annual meeting of stockholders, for the election of two additional directors to serve on our board of directors until all unpaid dividends with respect to the series C preferred stock and any other class or series of parity preferred stock have been paid or declared and a sum sufficient for the payment thereof set aside for payment. In addition, we may not make certain material and adverse changes to the terms of the series C preferred stock without the affirmative vote of the holders of at least two-thirds of the outstanding shares of the series C preferred stock together with the holders of all other shares of any class or series of preferred stock ranking on parity with the series C preferred stock that are entitled to similar voting rights (voting together as a single class).

Conversion. Holders may convert their shares of the series C preferred stock into shares of our common stock subject to certain conditions. The conversion rate will initially be 0.5164 shares of common stock per \$25.00 liquidation preference, which is equivalent to an initial conversion price of approximately \$48.41 per share of common stock (subject to adjustment in certain events). On or after April 10, 2012, we may, at our option, cause some or all of the series C preferred stock to be automatically converted into shares of common stock at the then-applicable conversion rate if (1) the closing sales price of our common stock equals or exceeds 130% of the then applicable conversion price of the series C preferred stock for at least 20 trading days in a period of 30 consecutive trading days and (2) on or prior to the effective date of the conversion, we have either declared and paid, or declared and set apart for payment, any unpaid dividends that are in arrears on the series C preferred stock.

If holders of shares of the series C preferred stock elect to convert their shares of the series C preferred stock in connection with a fundamental change that occurs on or prior to April 10, 2014, we will increase the conversion rate for shares of the series C preferred stock surrendered for conversion by a number of additional shares determined based on the stock price at the time of such fundamental change and the effective date of such fundamental change, as set forth in the articles supplementary.

On or prior to April 10, 2014, in the event of a fundamental change when the applicable price of our common stock described in the articles supplementary is less than \$40.34 per share, then holders of shares of the series C preferred stock will have a special right to convert some or all of their series C preferred stock on the fundamental change conversion date (as defined in the articles supplementary) into a number of shares of our common stock per \$25.00 liquidation preference equal to such liquidation preference, plus an amount equal to accrued and unpaid dividends to, but not including, the fundamental change conversion date, divided by 98% of the market price (as defined in the articles supplementary) of our common stock. In the event that holders of shares of the series C preferred stock exercise the special conversion right, we have the right to repurchase for

Table of Contents

cash all or any part of the series C preferred stock as to which the conversion right was exercised at a repurchase price equal to 100% of the liquidation preference of the series C preferred stock to be repurchased plus an amount equal to accrued and unpaid dividends to, but not including, the fundamental change conversion date. If we elect to exercise our repurchase right, holders of shares of the series C preferred stock will not have the special conversion right described above.

Transfer Agent and Registrar. The transfer agent and registrar for our series C preferred stock is American Stock Transfer & Trust Company.

5.500% Series D Cumulative Convertible Preferred Stock

General. Our board of directors and a duly authorized committee thereof approved articles supplementary, a copy of which we have previously filed with the SEC and which we incorporate by reference as an exhibit to the registration statement of which this prospectus is a part, creating the series D preferred stock as a series of our preferred stock, designated as the 5.500% Series D Cumulative Convertible Preferred Stock. The series D preferred stock is validly issued, fully paid and nonassessable.

Ranking. The series D preferred stock ranks, with respect to dividend rights and rights upon our liquidation, dissolution or winding-up:

senior to all classes or series of our common stock, and to any other class or series of our stock expressly designated as ranking junior to the series D preferred stock;

on parity with any class or series of our stock expressly designated as ranking on parity with the series D preferred stock, including our series A preferred stock, series B preferred stock and series C preferred stock; and

junior to any other class or series of our stock expressly designated as ranking senior to the series D preferred stock.

Dividend Rate and Payment Date. Investors are entitled to receive cumulative cash dividends on the series D preferred stock from and including the date of original issue, payable quarterly in arrears on or about the last calendar day of March, June, September and December of each year, commencing March 31, 2008, at the rate of 5.500% per annum of the \$25.00 liquidation preference per share (equivalent to an annual amount of \$1.375 per share). Dividends on the series D preferred stock will accrue whether or not we have earnings, whether or not there are funds legally available for the payment of such dividends and whether or not such dividends are authorized or declared.

Liquidation Preference. If we liquidate, dissolve or wind-up, holders of the series D preferred stock will have the right to receive \$25.00 per share, plus accrued and unpaid dividends (whether or not earned or declared) up to but excluding the date of payment, before any payment is made to holders of our common stock and any other class or series of stock ranking junior to the series D preferred stock as to liquidation rights. The rights of holders of series D preferred stock to receive their liquidation preference will be subject to the proportionate rights of any other class or series of our stock ranking on parity with the series D preferred stock as to liquidation.

Optional Redemption. We may not redeem the series D preferred stock except in limited circumstances to preserve our status as a REIT. Any partial redemption will be on a pro rata basis.

No Maturity, Sinking Fund or Mandatory Redemption. The series D preferred stock has no maturity date and is not subject to any sinking fund and we are not required to redeem the series D preferred stock at any time.

Voting Rights. Holders of shares of the series D preferred stock will generally have no voting rights. However, if we are in arrears on dividends on the series D preferred stock for six or more quarterly periods, whether or not consecutive, holders of shares of the series D preferred stock (voting together as a class with the

Table of Contents

holders of all other classes or series of preferred stock upon which like voting rights have been conferred and are exercisable) will be entitled to vote at a special meeting called by at least 10% of such holders or at our next annual meeting and each subsequent annual meeting of stockholders, for the election of two additional directors to serve on our board of directors until all unpaid dividends with respect to the series D preferred stock and any other class or series of parity preferred stock have been paid or declared and a sum sufficient for the payment thereof set aside for payment. In addition, we may not make certain material and adverse changes to the terms of the series D preferred stock without the affirmative vote of the holders of at least two-thirds of the outstanding shares of the series D preferred stock together with the holders of all other shares of any class or series of preferred stock ranking on parity with the series D preferred stock that are entitled to similar voting rights (voting together as a single class).

Conversion. Holders may convert their shares of the series D preferred stock into shares of our common stock subject to certain conditions. The conversion rate will initially be 0.5955 shares of common stock per \$25.00 liquidation preference, which is equivalent to an initial conversion price of approximately \$41.98 per share of common stock (subject to adjustment in certain events). On or after February 6, 2013, we may, at our option, cause some or all of the series D preferred stock to be automatically converted into shares of common stock at the then-applicable conversion rate if (1) the closing sales price of our common stock equals or exceeds 130% of the then applicable conversion price of the series D preferred stock for at least 20 trading days in a period of 30 consecutive trading days and (2) on or prior to the effective date of the conversion, we have either declared and paid, or declared and set apart for payment, any unpaid dividends that are in arrears on the series D preferred stock.

If holders of shares of the series D preferred stock elect to convert their shares of the series D preferred stock in connection with a fundamental change that occurs on or prior to February 6, 2015, we will increase the conversion rate for shares of the series D preferred stock surrendered for conversion by a number of additional shares determined based on the stock price at the time of such fundamental change and the effective date of such fundamental change, as set forth in the articles supplementary.

On or prior to February 6, 2015, in the event of a fundamental change when the applicable price of our common stock described in the articles supplementary is less than \$35.73 per share, then holders of shares of the series D preferred stock will have a special right to convert some or all of their series D preferred stock on the fundamental change conversion date (as defined in the articles supplementary) into a number of shares of our common stock per \$25.00 liquidation preference equal to such liquidation preference, plus an amount equal to accrued and unpaid dividends to, but not including, the fundamental change conversion date, divided by 98% of the market price (as defined in the articles supplementary) of our common stock. In the event that holders of shares of the series D preferred stock exercise the special conversion right, we have the right to repurchase for cash all or any part of the series D preferred stock as to which the conversion right was exercised at a repurchase price equal to 100% of the liquidation preference of the series D preferred stock to be repurchased plus an amount equal to accrued and unpaid dividends to, but not including, the fundamental change conversion date. If we elect to exercise our repurchase right, holders of shares of the series D preferred stock will not have the special conversion right described above.

Transfer Agent and Registrar. The transfer agent and registrar for our series D preferred stock is American Stock Transfer & Trust Company.

Description of Depositary Shares

We may, at our option, elect to offer depositary shares rather than full shares of preferred stock. Each depositary share will represent ownership of and entitlement to all rights and preferences of a fraction of a share of preferred stock of a specified series (including dividend, voting, redemption and liquidation rights). The applicable fraction will be specified in a prospectus supplement. The shares of preferred stock represented by the depositary shares will be deposited with a depositary named in the applicable prospectus supplement, under a

Table of Contents

deposit agreement, among us, the depositary and the holders of the certificates evidencing depositary shares, or depositary receipts. Depositary receipts will be delivered to those persons purchasing depositary shares in the offering. The depositary will be the transfer agent, registrar and dividend disbursing agent for the depositary shares. Holders of depositary receipts agree to be bound by the deposit agreement, which requires holders to take certain actions such as filing proof of residence and paying certain charges.

The summary of the terms of the depositary shares contained in this prospectus does not purport to be complete and is subject to, and qualified in its entirety by, the provisions of the deposit agreement, our charter and the form of articles supplementary for the applicable series of preferred stock.

Dividends. The depositary will distribute all cash dividends or other cash distributions received in respect of the series of preferred stock represented by the depositary shares to the record holders of depositary receipts in proportion to the number of depositary shares owned by such holders on the relevant record date, which will be the same date as the record date fixed by us for the applicable series of preferred stock. The depositary, however, will distribute only such amount as can be distributed without attributing to any depositary share a fraction of one cent, and any balance not so distributed will be added to and treated as part of the next sum received by the depositary for distribution to record holders of depositary receipts then outstanding.

In the event of a distribution other than in cash, the depositary will distribute property received by it to the record holders of depositary receipts entitled thereto, in proportion, as nearly as may be practicable, to the number of depositary shares owned by such holders on the relevant record date, unless the depositary determines (after consultation with us) that it is not feasible to make such distribution, in which case the depositary may (with our approval) adopt any other method for such distribution as it deems equitable and appropriate, including the sale of such property (at such place or places and upon such terms as it may deem equitable and appropriate) and distribution of the net proceeds from such sale to such holders.

No distribution will be made in respect of any depositary share to the extent that it represents any preferred stock converted into excess stock.

Liquidation Preference. In the event of the liquidation, dissolution or winding up of the affairs of our company, whether voluntary or involuntary, the holders of each depositary share will be entitled to the fraction of the liquidation preference accorded each share of the applicable series of preferred stock as set forth in the applicable prospectus supplement.

Redemption. If the series of preferred stock represented by the applicable series of depositary shares is redeemable, such depositary shares will be redeemed from the proceeds received by the depositary resulting from the redemption, in whole or in part, of preferred stock held by the depositary. Whenever we redeem any preferred stock held by the depositary, the depositary will redeem as of the same redemption date the number of depositary shares representing the preferred stock so redeemed. The depositary will mail the notice of redemption promptly upon receipt of such notice from us and not less than 30 nor more than 60 days prior to the date fixed for redemption of the preferred stock and the depositary shares to the record holders of the depositary receipts.

Voting. Promptly upon receipt of notice of any meeting at which the holders of the series of preferred stock represented by the applicable series of depositary shares are entitled to vote, the depositary will mail the information contained in such notice of meeting to the record holders of the depositary receipts as of the record date for such meeting. Each such record holder of depositary receipts will be entitled to instruct the depositary as to the exercise of the voting rights pertaining to the number of shares of preferred stock represented by such record holder's depositary shares. The depositary will endeavor, insofar as practicable, to vote such preferred stock represented by such depositary shares in accordance with such instructions, and we will agree to take all action which may be deemed necessary by the depositary in order to enable the

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

depository to do so. The depository will abstain from voting any of the preferred stock to the extent that it does not receive specific instructions from the holders of depository receipts.

Table of Contents

Withdrawal of Preferred Stock. Upon surrender of depositary receipts at the principal office of the depositary and payment of any unpaid amount due the depositary, and subject to the terms of the deposit agreement, the owner of the depositary shares evidenced thereby is entitled to delivery of the number of whole shares of preferred stock and all money and other property, if any, represented by such depositary shares. Partial shares of preferred stock will not be issued. If the depositary receipts delivered by the holder evidence a number of depositary shares in excess of the number of depositary shares representing the number of whole shares of preferred stock to be withdrawn, the depositary will deliver to such holder at the same time a new depositary receipt evidencing such excess number of depositary shares. Holders of preferred stock thus withdrawn will not thereafter be entitled to deposit such shares under the deposit agreement or to receive depositary receipts evidencing depositary shares therefor.

Amendment and Termination of Deposit Agreement. The form of depositary receipt evidencing the depositary shares and any provision of the deposit agreement may at any time and from time to time be amended by agreement between us and the depositary. However, any amendment which materially and adversely alters the rights of the holders (other than any change in fees) of depositary shares will not be effective unless such amendment has been approved by at least a majority of the depositary shares then outstanding. No such amendment may impair the right, subject to the terms of the deposit agreement, of any owner of any depositary shares to surrender the depositary receipt evidencing such depositary shares with instructions to the depositary to deliver to the holder the preferred stock and all money and other property, if any, represented thereby, except in order to comply with mandatory provisions of applicable law.

The deposit agreement will be permitted to be terminated by us upon not less than 30 days prior written notice to the applicable depositary if (i) such termination is necessary to preserve our status as a REIT or (ii) a majority of each series of preferred stock affected by such termination consents to such termination, whereupon such depositary will be required to deliver or make available to each holder of depositary receipts, upon surrender of the depositary receipts held by such holder, such number of whole or fractional shares of preferred stock as are represented by the depositary shares evidenced by such depositary receipts together with any other property held by such depositary with respect to such depositary receipts. We will agree that if the deposit agreement is terminated to preserve our status as a REIT, then we will use our best efforts to list the preferred stock issued upon surrender of the related depositary shares on a national securities exchange. In addition, the deposit agreement will automatically terminate if (i) all outstanding depositary shares thereunder shall have been redeemed, (ii) there shall have been a final distribution in respect of the related preferred stock in connection with any liquidation, dissolution or winding-up of our company and such distribution shall have been distributed to the holders of depositary receipts evidencing the depositary shares representing such preferred stock or (iii) each share of the related preferred stock shall have been converted into stock of our company not so represented by depositary shares.

Charges of Depositary. We will pay all transfer and other taxes and governmental charges arising solely from the existence of the depositary arrangements. We will pay charges of the depositary in connection with the initial deposit of the preferred stock and initial issuance of the depositary shares, and redemption of the preferred stock and all withdrawals of preferred stock by owners of depositary shares. Holders of depositary receipts will pay transfer, income and other taxes and governmental charges and certain other charges as are provided in the deposit agreement to be for their accounts. In certain circumstances, the depositary may refuse to transfer depositary shares, may withhold dividends and distributions and sell the depositary shares evidenced by such depositary receipt if such charges are not paid. The applicable prospectus supplement will include information with respect to fees and charges, if any, in connection with the deposit or substitution of the underlying securities, the receipt and distribution of dividends, the sale or exercise of rights, the withdrawal of the underlying security, and the transferring, splitting or grouping of receipts. The applicable prospectus supplement will also include information with respect to the right to collect the fees and charges, if any, against dividends received and deposited securities.

Miscellaneous. The depositary will forward to the holders of depositary receipts all notices, reports and proxy soliciting material from us which are delivered to the depositary and which we are required to furnish to

Table of Contents

the holders of the preferred stock. In addition, the depositary will make available for inspection by holders of depositary receipts at the principal office of the depositary, and at such other places as it may from time to time deem advisable, any notices, reports and proxy soliciting material received from us which are received by the depositary as the holder of preferred stock. The applicable prospectus supplement will include information about the rights, if any, of holders of receipts to inspect the transfer books of the depositary and the list of holders of receipts.

Neither the depositary nor our company assumes any obligation or will be subject to any liability under the deposit agreement to holders of depositary receipts other than for its negligence or willful misconduct. Neither the depositary nor our company will be liable if it is prevented or delayed by law or any circumstance beyond its control in performing its obligations under the deposit agreement. The obligations of our company and the depositary under the deposit agreement will be limited to performance in good faith of their duties thereunder, and they will not be obligated to prosecute or defend any legal proceeding in respect of any depositary shares or preferred stock unless satisfactory indemnity is furnished. Our company and the depositary may rely on written advice of counsel or accountants, on information provided by holders of the depositary receipts or other persons believed in good faith to be competent to give such information and on documents believed to be genuine and to have been signed or presented by the proper party or parties.

In the event the depositary shall receive conflicting claims, requests or instructions from any holders of depositary receipts, on the one hand, and us, on the other hand, the depositary shall be entitled to act on such claims, requests or instructions received from us.

Resignation and Removal of Depositary. The depositary may resign at any time by delivering to us notice of its election to do so, and we may at any time remove the depositary, any such resignation or removal to take effect upon the appointment of a successor depositary and its acceptance of such appointment. Such successor depositary must be appointed within 60 days after delivery of the notice for resignation or removal and must be a bank or trust company having its principal office in the United States and having a combined capital and surplus of at least \$150,000,000.

Description of Warrants

We may issue warrants for the purchase of our common stock, preferred stock or depositary shares and may issue warrants independently or together with our common stock, preferred stock or depositary shares or attached to or separate from such securities. We will issue each series of warrants under a separate warrant agreement between us and a bank or trust company as warrant agent, as specified in the applicable prospectus supplement.

The warrant agent will act solely as our agent in connection with the warrants and will not act for or on behalf of warrant holders. The following sets forth certain general terms and provisions of the warrants that may be offered under this registration statement. Further terms of the warrants and the applicable warrant agreement will be set forth in the applicable prospectus supplement.

The applicable prospectus supplement will describe the terms of the warrants in respect of which this prospectus is being delivered, including, where applicable, the following:

the title of such warrants;

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

the aggregate number of such warrants outstanding;

the price or prices at which such warrants will be issued;

the type and number of securities purchasable upon exercise of such warrants;

the designation and terms of the other securities, if any, with which such warrants are issued and the number of such warrants issued with each such offered security;

the date, if any, on and after which such warrants and the related securities will be separately transferable;

Table of Contents

the price at which each security purchasable upon exercise of such warrants may be purchased;

the provisions, if any, for changes to or adjustments in the exercise price;

the date on which the right to exercise such warrants shall commence and the date on which such right shall expire;

the minimum or maximum amount of such warrants that may be exercised at any one time;

information with respect to book-entry procedures, if any;

any anti-dilution protection;

a discussion of certain United States federal income tax considerations; and

any other terms of such warrants, including terms, procedures and limitations relating to the transferability, exercise and exchange of such warrants.

Warrant certificates will be exchangeable for new warrant certificates of different denominations and warrants may be exercised at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement. Prior to the exercise of their warrants, holders of warrants will not have any of the rights of holders of the securities purchasable upon such exercise or to any dividend payments or voting rights as to which holders of the shares of our common stock or preferred stock purchasable upon such exercise may be entitled.

Each warrant will entitle the holder to purchase for cash such number of shares of our common stock or preferred stock, at such exercise price as shall, in each case, be set forth in, or be determinable as set forth in, the applicable prospectus supplement relating to the warrants offered thereby. Unless otherwise specified in the applicable prospectus supplement, warrants may be exercised at any time up to 5:00 p.m. New York City time on the expiration date set forth in applicable prospectus supplement. After 5:00 p.m. New York City time on the expiration date, unexercised warrants will be void.

Warrants may be exercised as set forth in the applicable prospectus supplement relating to the warrants. Upon receipt of payment and the warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement, we will, as soon as practicable, forward the securities purchasable upon such exercise. If less than all of the warrants are presented by such warrant certificate of exercise, a new warrant certificate will be issued for the remaining amount of warrants.

Table of Contents

RESTRICTIONS ON OWNERSHIP AND TRANSFER

*The following summary with respect to restrictions on ownership and transfer of our stock sets forth certain general terms and provisions of our charter documents to which any prospectus supplement may relate. This summary does not purport to be complete and is subject to and qualified in its entirety by reference to our charter documents, as amended and supplemented from time to time, including any articles supplementary relating to any issuance of preferred stock pursuant to this prospectus. Copies of our existing charter documents are filed with the SEC and are incorporated by reference as exhibits to the registration statement of which this prospectus is a part. Any amendment or supplement to our charter documents relating to an issuance of securities pursuant to this prospectus shall be filed with the SEC and shall be incorporated by reference as an exhibit to the applicable prospectus supplement. See *Where You Can Find More Information*.*

In order for us to qualify as a REIT under the Internal Revenue Code of 1986, as amended, or the Code, our stock must be beneficially owned by 100 or more persons during at least 335 days of a taxable year of 12 months (other than the first year for which an election to be a REIT has been made) or during a proportionate part of a shorter taxable year. Also, not more than 50% of the value of the outstanding shares of stock may be owned, directly or indirectly, by five or fewer individuals (as defined in the Code to include certain entities such as private foundations) during the last half of a taxable year (other than the first year for which an election to be a REIT has been made).

Our charter contains restrictions on the ownership and transfer of our common stock, preferred stock and capital stock which are intended to assist us in complying with these requirements and continuing to qualify as a REIT. Our charter provides that, subject to the exceptions described below, no person or entity may beneficially own, or be deemed to own by virtue of the applicable constructive ownership provisions of the Code, more than 9.8% (by value or by number of shares, whichever is more restrictive) of the outstanding shares of our common stock or of any series of preferred stock, or more than 9.8% of the value of our outstanding capital stock. We refer to these restrictions as the common stock ownership limit, the preferred stock ownership limit and the aggregate stock ownership limit, respectively. A person or entity that becomes subject to one of the ownership limits by virtue of a violative transfer that results in a transfer to a trust, as set forth below, is referred to as a purported beneficial transferee. If, had the violative transfer been effective, the person or entity would have been a record owner and beneficial owner or solely a beneficial owner of our common stock, any series of our preferred stock, or our capital stock, as applicable, or is referred to as a purported record transferee. If, had the violative transfer been effective, the person or entity would have been solely a record owner of our common stock, any series of our preferred stock, or our capital stock, as applicable.

The constructive ownership rules under the Code are complex and may cause stock owned actually or constructively by a group of related individuals and/or entities to be owned constructively by one individual or entity. As a result, the acquisition of less than 9.8% of our common stock or any series of our preferred stock or less than 9.8% of the value of our outstanding capital stock (or the acquisition of an interest in an entity that owns, actually or constructively, our capital stock) by an individual or entity could, nevertheless, cause that individual or entity, or another individual or entity, to own constructively more than 9.8% of our outstanding common stock or a series of our preferred stock or our capital stock, as applicable, and thereby subject such stock to the applicable ownership limit.

Our board of directors may, in its sole discretion, waive one of the ownership limits with respect to a particular stockholder if it:

determines that such ownership will not cause any individual's beneficial ownership of shares of our capital stock to violate the aggregate stock ownership limit and that any exemption from the applicable ownership limit will not jeopardize our status as a REIT; and

determines that such stockholder does not and will not own, actually or constructively, an interest in a tenant of ours (or a tenant of any entity owned in whole or in part by us) that would cause us to own, actually or constructively, more than a 9.8% interest (as set

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

forth in Section 856(d)(2)(B) of the Code) in such tenant or that any such ownership would not cause us to fail to qualify as a REIT under the Code.

Table of Contents

Our board of directors may also, in its sole discretion, waive the preferred stock ownership limit with respect to a particular stockholder if it determines that such ownership will not jeopardize our status as a REIT.

As a condition of our waiver, our board of directors may require an opinion of counsel or IRS ruling satisfactory to our board of directors, and/or representations or undertakings from the applicant with respect to preserving our REIT status.

In connection with a waiver of an ownership limit or at any other time, our board of directors may increase the applicable ownership limit for one or more persons and decrease the applicable ownership limit for all other persons and entities; provided, however, that the decreased ownership limit will not be effective for any person or entity whose percentage ownership in our common stock, any series of our preferred stock or our capital stock, as applicable, exceeds the decreased ownership limit until such time as such person or entity's percentage ownership equals or falls below the decreased ownership limit; but any further acquisition of our common, preferred or capital stock, as applicable, in excess of such percentage ownership will be in violation of the applicable ownership limit. Additionally, the new ownership limit, as applicable, may not allow five or fewer stockholders to beneficially own more than 49% in value of our outstanding capital stock.

Our charter further prohibits:

any person from beneficially or constructively owning shares of our stock that would result in our being closely held under Section 856(h) of the Code or otherwise cause us to fail to qualify as a REIT; and

any person from transferring shares of our capital stock if such transfer would result in shares of our stock being beneficially owned by fewer than 100 persons (determined without reference to any rules of attribution).

Any person who acquires or attempts or intends to acquire beneficial or constructive ownership of shares of our stock that will or may violate any of the foregoing restrictions on transferability and ownership will be required to give notice immediately to us and provide us with such other information as we may request in order to determine the effect of such transfer on our status as a REIT. The foregoing provisions on transferability and ownership will not apply if our board of directors determines that it is no longer in our best interests to attempt to qualify, or to continue to qualify, as a REIT.

Pursuant to our charter, if any purported transfer of our stock or any other event would otherwise result in any person violating the ownership limits or such other limit as established by our board of directors or would result in our being closely held under Section 856(h) of the Code or otherwise failing to qualify as a REIT, then that number of shares in excess of the applicable ownership limit or causing us to be closely held or otherwise to fail to qualify as a REIT (rounded up to the nearest whole share) will be automatically transferred to, and held by, a trust for the exclusive benefit of one or more charitable organizations selected by us. The automatic transfer will be effective as of the close of business on the business day prior to the date of the violative transfer or other event that results in a transfer to the trust. Any dividend or other distribution paid to the purported record transferee, prior to our discovery that the shares had been automatically transferred to a trust as described above, must be repaid to the trustee upon demand for distribution to the beneficiary of the trust. If the transfer to the trust as described above is not automatically effective, for any reason, to prevent a violation of the applicable ownership limit or our being closely held or otherwise failing to qualify as a REIT, then our charter provides that the transfer of the shares in excess of the ownership limit will be void. If any transfer would result in shares of our stock being beneficially owned by fewer than 100 persons, then any such purported transfer will be void and of no force or effect.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

Shares of our stock transferred to the trustee are deemed offered for sale to us, or our designee, at a price per share equal to the lesser of (1) the price paid by the purported record transferee for the shares (or, if the event which resulted in the transfer to the trust did not involve a purchase of such shares of our stock at market price, the last reported sales price reported on the NYSE on the trading day immediately preceding the day of the event

Table of Contents

which resulted in the transfer of such shares of our stock to the trust) and (2) the market price on the date we, or our designee, accept such offer. We have the right to accept such offer until the trustee has sold the shares of our stock held in the trust pursuant to the clauses discussed below. Upon a sale to us, the interest of the charitable beneficiary in the shares sold terminates and the trustee must distribute the net proceeds of the sale to the purported record transferee and any dividends or other distributions held by the trustee with respect to such stock will be paid to the charitable beneficiary.

If we do not buy the shares, the trustee must, within 20 days of receiving notice from us of the transfer of shares to the trust, sell the shares to a person or entity designated by the trustee who could own the shares without violating the common stock ownership limit or the preferred stock ownership limit, as applicable, and the aggregate stock ownership limit or such other limit as established by our board of directors. After that, the trustee must distribute to the purported record transferee an amount equal to the lesser of (1) the price paid by the purported record transferee or owner for the shares (or, if the event which resulted in the transfer to the trust did not involve a purchase of such shares at market price, the last reported sales price reported on the NYSE on the trading day immediately preceding the day of the event which resulted in the transfer of such shares of our stock to the trust) and (2) the sales proceeds (net of commissions and other expenses of sale) received by the trustee for the shares. Any net sales proceeds in excess of the amount payable to the purported record transferee will be immediately paid to the charitable beneficiary, together with any dividends or other distributions thereon. In addition, if prior to discovery by us that shares of our stock have been transferred to a trust, such shares of stock are sold by a purported record transferee, then such shares shall be deemed to have been sold on behalf of the trust and to the extent that the purported record transferee received an amount for or in respect of such shares that exceeds the amount that such purported record transferee was entitled to receive, such excess amount shall be paid to the trustee upon demand. The purported beneficial transferee or purported record transferee has no rights in the shares held by the trustee.

The trustee shall be designated by us and shall be unaffiliated with us and with any purported record transferee or purported beneficial transferee. Prior to the sale of any shares in excess of the common stock ownership limit, the preferred stock ownership limit or the aggregate stock ownership limit by the trust, the trustee will receive, in trust for the beneficiary, all dividends and other distributions paid by us with respect to the shares in excess of the applicable ownership limit, and may also exercise all voting rights with respect to such shares.

Subject to Maryland law, effective as of the date that the shares have been transferred to the trust, the trustee shall have the authority, at the trustee's sole discretion:

to rescind as void any vote cast by a purported record transferee prior to our discovery that the shares have been transferred to the trust; and

to recast the vote in accordance with the desires of the trustee acting for the benefit of the beneficiary of the trust.

However, if we have already taken irreversible corporate action, then the trustee may not rescind and recast the vote.

In addition, if our board of directors or other permitted designees determine in good faith that a proposed transfer would violate the restrictions on ownership and transfer of our stock set forth in our charter, our board of directors or other permitted designees will take such action as it deems or they deem advisable to refuse to give effect to or to prevent such transfer, including, but not limited to, causing the company to redeem shares of common stock or preferred stock, refusing to give effect to the transfer on our books or instituting proceedings to enjoin the transfer.

Any beneficial owner or constructive owner of shares of our stock and any person or entity (including the stockholder of record) who is holding shares of our stock for a beneficial owner must, on request, provide us with a completed questionnaire containing the information regarding the

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

ownership of such shares, as set forth in the applicable treasury regulations. In addition, any person or entity that is a beneficial owner or constructive owner

Table of Contents

of shares of our stock and any person or entity (including the stockholder of record) who is holding shares of our stock for a beneficial owner or constructive owner shall, on request, be required to disclose to us in writing such information as we may request in order to determine the effect, if any, of such stockholder's actual and constructive ownership of shares of our stock on our status as a REIT and to ensure compliance with the common stock ownership limit, the preferred stock ownership limit and the aggregate stock ownership limit, or as otherwise permitted by our board of directors.

All certificates representing shares of our common stock and preferred stock bear a legend referring to the restrictions described above.

These ownership limits could delay, defer or prevent a transaction or a change of control of our company that might otherwise result in a premium price for our stock or otherwise be in the best interest of our stockholders.

Table of Contents

DESCRIPTION OF THE PARTNERSHIP AGREEMENT OF DIGITAL REALTY TRUST, L.P.

We have summarized the material terms and provisions of the Eighth Amended and Restated Agreement of Limited Partnership of Digital Realty Trust, L.P., which we refer to as the partnership agreement. This summary is not complete. For more detail, you should refer to the partnership agreement itself, a copy of which we have previously filed with the SEC and which we incorporate by reference as an exhibit to the registration statement of which this prospectus is part. For purposes of this section, references to we, our, us and our company refer to Digital Realty Trust, Inc.

Management of Our Operating Partnership

Our operating partnership, Digital Realty Trust, L.P., is a Maryland limited partnership that was formed on July 21, 2004. Our company is the sole general partner of our operating partnership and conducts substantially all of our business in or through it. As sole general partner of our operating partnership, we exercise exclusive and complete responsibility and discretion in its day-to-day management and control. We can cause our operating partnership to enter into major transactions including acquisitions, dispositions and refinancings, subject to certain limited exceptions. The limited partners of our operating partnership may not transact business for, or participate in the management activities or decisions of, our operating partnership, except as provided in the partnership agreement and as required by applicable law. We may not be removed as general partner by the limited partners. The partnership agreement restricts our ability to engage in a business combination as more fully described in Termination Transactions below.

The limited partners of our operating partnership expressly acknowledged that we, as general partner of our operating partnership, are acting for the benefit of the operating partnership, the limited partners and our stockholders collectively. Neither our company nor our board of directors is under any obligation to give priority to the separate interests of the limited partners or our stockholders in deciding whether to cause our operating partnership to take or decline to take any actions. If there is a conflict between the interests of our stockholders on one hand and the limited partners on the other, we will endeavor in good faith to resolve the conflict in a manner not adverse to either our stockholders or the limited partners; provided, however, that for so long as we own a controlling interest in our operating partnership, any conflict that cannot be resolved in a manner not adverse to either our stockholders or the limited partners will be resolved in favor of our stockholders. We are not liable under the partnership agreement to our operating partnership or to any partner for monetary damages for losses sustained, liabilities incurred, or benefits not derived by limited partners in connection with such decisions; provided, that we have acted in good faith.

The partnership agreement provides that all of our business activities, including all activities pertaining to the acquisition and operation of properties, must be conducted through our operating partnership, and that our operating partnership must be operated in a manner that will enable us to satisfy the requirements for being classified as a REIT.

Transferability of Interests

Except in connection with a transaction described in Termination Transactions below, we, as general partner, may not voluntarily withdraw from our operating partnership, or transfer or assign all or any portion of our interest in our operating partnership, without the consent of the holders of a majority of the limited partnership interests. Any transfer of units by the limited partners, except to us, as general partner, to immediate family members, to a trust for the benefit of a charitable beneficiary, to a lending institution as collateral for a bona fide loan or to an affiliate or member of such limited partner, will be subject to a right of first refusal by us. All transfers must be made only to accredited investors as defined under Rule 501 of the Securities Act.

Amendments of the Partnership Agreement

Amendments to the partnership agreement may be proposed by us, as general partner, or by limited partners owning at least 25% of the units held by limited partners.

Table of Contents

Generally, the partnership agreement may not be amended, modified or terminated without the approval of limited partners (other than limited partners 50% or more of whose equity is owned, directly or indirectly, by us as general partner) holding a majority of all outstanding units held by limited partners. As general partner, we have the power to unilaterally make certain amendments to the partnership agreement without obtaining the consent of the limited partners as may be required to:

add to our obligations as general partner or surrender any right or power granted to us as general partner for the benefit of the limited partners;

reflect the issuance of additional units or the admission, substitution, termination or withdrawal of partners in accordance with the terms of the partnership agreement;

reflect a change of an inconsequential nature that does not adversely affect the limited partners in any material respect, or cure any ambiguity, correct or supplement any provisions of the partnership agreement not inconsistent with law or with other provisions of the partnership agreement, or make other changes concerning matters under the partnership agreement that will not otherwise be inconsistent with the partnership agreement or law;

satisfy any requirements, conditions or guidelines of federal or state law;

reflect changes that are reasonably necessary for us, as general partner, to maintain our status as a REIT; or

modify the manner in which capital accounts are computed.

Amendments that would, among other things, convert a limited partner's interest into a general partner's interest, modify the limited liability of a limited partner, alter a partner's right to receive any distributions or allocations of profits or losses, adversely alter or modify the redemption rights or alter the protections of the limited partners in connection with termination transactions described below must be approved by each limited partner that would be adversely affected by such amendment.

In addition, without the written consent of a majority of the units held by limited partners (other than limited partners 50% or more of whose equity is owned, directly or indirectly, by us as general partner), we, as general partner, may not do any of the following:

take any action in contravention of an express prohibition or limitation contained in the partnership agreement;

perform any act that would subject a limited partner to liability as a general partner in any jurisdiction or any liability not contemplated in the limited partnership agreement;

enter into any contract, mortgage loan or other agreement that prohibits or restricts, or has the effect of prohibiting or restricting, the ability of a limited partner to exercise its redemption/exchange rights explained below;

enter into or conduct any business other than in connection with our role as general partner of the operating partnership and our operation as a REIT;

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

acquire an interest in real or personal property other than through our operating partnership;

withdraw from the operating partnership or transfer any portion of our general partnership interest; or

be relieved of our obligations under the partnership agreement following any permitted transfer of our general partnership interest.

Distributions to Unitholders

The partnership agreement provides that holders of common units are entitled to receive quarterly distributions of available cash on a pro rata basis in accordance with their respective percentage interests. The

Table of Contents

holders of series A preferred units, series B preferred units, series C preferred units and series D preferred units have distribution rights substantially similar to the dividend rights of series A preferred stockholders, series B preferred stockholders, series C preferred stockholders and series D preferred stockholders, respectively.

Redemption/Exchange Rights

Limited partners have the right to require our operating partnership to redeem part or all of their units for cash based upon the fair market value of an equivalent number of shares of our company's common stock at the time of the redemption. Alternatively, we may elect to acquire those units in exchange for shares of our company's common stock. Our acquisition will be on a one-for-one basis, subject to adjustment in the event of stock splits, stock dividends, issuances of stock rights, specified extraordinary distributions and similar events. We presently anticipate that we will elect to issue shares of our company's common stock in exchange for units in connection with each redemption request, rather than having our operating partnership redeem the units for cash. With each redemption or exchange, we increase our company's percentage ownership interest in our operating partnership. Limited partners who hold units may exercise this redemption right from time to time, in whole or in part, except when, as a consequence of shares of our common stock being issued, any person's actual or constructive stock ownership would exceed our company's ownership limits, or any other limit as provided in our charter or as otherwise determined by our board of directors as described under the section entitled "Description of Securities Restrictions on Ownership and Transfer."

In addition, if the number of units delivered by a limited partner for redemption exceeds 9.8% of our outstanding common stock and \$50.0 million in gross value (based on a unit having a value equal to the trailing ten-day daily price of our common stock) and we are eligible to file a registration statement on Form S-3 under the Securities Act, then we may also elect to redeem the units with the proceeds from a public offering or private placement of our common stock. In the event we elect this option, we may require the other limited partners also to elect whether or not to participate. If we do so, any limited partner who does not elect to participate will not be permitted to redeem units for the subsequent 12 months, subject to limited exceptions. Participating limited partners will receive on the redemption date the lesser of the cash our operating partnership would otherwise be required to pay for such units or the net proceeds per share in the public offering, but will have a limited opportunity to withdraw their units from the redemption immediately prior to the pricing of the public offering. Except as described above, a limited partner is not entitled to have common units redeemed, either for cash or shares of common stock, if exchanging the common units for shares of common stock would violate the ownership limits set forth in our charter.

Issuance of Additional Common Units, Preferred Units, Common Stock, Preferred Stock or Convertible Securities

As sole general partner, we have the ability to cause the operating partnership to issue additional units representing general and limited partnership interests. These additional units may include preferred limited partnership units. In addition, we may issue additional shares of our common stock or convertible securities, but only if we cause our operating partnership to issue to us partnership interests or rights, options, warrants or convertible or exchangeable securities of our operating partnership having designations, preferences and other rights, so that the economic interests of our operating partnership's interests issued are substantially similar to the economic interests of the securities that we have issued.

Tax Matters

We are the tax matters partner of our operating partnership and, as such, we have authority to make tax elections under the Code on behalf of our operating partnership.

Table of Contents

Allocations of Net Income and Net Losses to Partners

The net income of our operating partnership will generally be allocated to us to the extent of the accrued preferred return on our preferred units, and then to us, as general partner, and the limited partners in accordance with our respective percentage interests in the common units issued by our operating partnership. Net loss will generally be allocated to us, as general partner, and the limited partners in accordance with our respective common percentage interests in our operating partnership until the limited partner's capital is reduced to zero and any remaining net loss would be allocated to us. However, in some cases losses may be disproportionately allocated to partners who have guaranteed debt of our operating partnership. The allocations described above are subject to special allocations relating to depreciation deductions and to compliance with the provisions of Sections 704(b) and 704(c) of the Code and the associated Treasury Regulations. See United States Federal Income Tax Considerations Tax Aspects of Our Operating Partnership, the Subsidiary Partnerships and the Limited Liability Companies.

In addition, we may from time to time issue long-term incentive units to persons who provide services to our operating partnership for such consideration or for no consideration as we may determine to be appropriate, and admit such persons as limited partners of our operating partnership. The long-term incentive units are similar to our common units in many respects and rank *pari passu* with our common units as to the payment of regular and special periodic or other distributions except liquidating distributions. The long-term incentive units may be subject to vesting requirements.

Initially, long-term incentive units do not have full parity with common units with respect to liquidating distributions. If such parity is reached, vested long-term incentive units may be converted into an equal number of common units of our operating partnership at any time, and thereafter enjoy all the rights of common units of our operating partnership, including redemption rights.

In order to achieve full parity with common units, long-term incentive units must be fully vested and the holder's capital account balance in respect of such long-term incentive units must be equal to the capital account balance of a holder of an equivalent number of common units. (The capital account balance attributable to each common unit is generally expected to be the same, in part because of the amount credited to a partner's capital account upon their contribution of property to the operating partnership, and in part because the partnership agreement provides, in most cases, that allocations of income, gain, loss and deduction (which will adjust the partners' capital accounts) are to be made to the common units on a proportionate basis. As a result, with respect to a number of long-term incentive units, it is possible to determine the capital account balance of an equivalent number of common units by multiplying the number of long-term incentive units by the capital account balance with respect to a common unit.)

A partner's initial capital account balance is equal to the amount the partner paid (or contributed to the operating partnership) for its units and is subject to subsequent adjustments, including with respect to the partner's share of income, gain or loss of the operating partnership. Because a holder of long-term incentive units generally will not pay for the long-term incentive units, the initial capital account balance attributable to such long-term incentive units will be zero. However, the operating partnership is required to allocate income, gain, loss and deduction to the partners' capital accounts in accordance with the terms of the partnership agreement, subject to applicable Treasury Regulations. The partnership agreement provides that holders of long-term incentive units will receive special allocations of gain in the event of a sale or hypothetical sale of assets of our operating partnership prior to the allocation of gain to our company or other limited partners with respect to their common units. The amount of such allocation will, to the extent of any such gain, be equal to the difference between the capital account balance of a holder of long-term incentive units attributable to such units and the capital account balance attributable to an equivalent number of common units. If and when such gain allocation is fully made, a holder of long-term incentive units will have achieved full parity with holders of common units. To the extent that, upon an actual sale or a hypothetical sale of the operating partnership's assets as described above, there is not sufficient gain to allocate to a holder's capital account with respect to long-term incentive units, or if such sale or hypothetical sale does not occur, such units will not achieve parity with common units.

Table of Contents

The term "hypothetical sale" refers to circumstances that are not actual sales of our company's assets but that require certain adjustments to the value of the operating partnership's assets and the partners' capital account balances. Specifically, the partnership agreement provides that, from time to time, in accordance with applicable Treasury Regulations, the operating partnership will adjust the value of its assets to equal their respective fair market values, and adjust the partners' capital accounts, in accordance with the terms of the partnership agreement, as if the operating partnership sold its assets for an amount equal to their value. Times for making such adjustments generally include the liquidation of the operating partnership, the acquisition of an additional interest in the operating partnership by a new or existing partner in exchange for more than a de minimis capital contribution, the distribution by the operating partnership to a partner of more than a de minimis amount of partnership property as consideration for an interest in the operating partnership, in connection with the grant of an interest in the operating partnership (other than a de minimis interest) as consideration for the performance of services to or for the benefit of the operating partnership (including the grant of a long-term incentive unit), and at such other times as may be desirable or required to comply with the Treasury Regulations.

We may also from time to time issue class C profits interest units, or class C units, to persons who provide services to our operating partnership for such consideration or for no consideration as we may determine to be appropriate. If all applicable performance and other vesting conditions are satisfied with respect to a class C unit, the class C unit will be treated in the same manner as the long-term incentive units issued by our operating partnership. Class C units are not entitled to quarterly distributions prior to the satisfaction of all applicable performance conditions. Class C units are subject to the same conditions as other long-term incentive units with respect to achieving full parity with common units.

Operations

The partnership agreement provides that we, as general partner, will determine in our discretion and distribute available cash on a quarterly basis, pro rata in accordance with the partners' percentage interests. Available cash is the partnership's net operating cash flow plus the reduction of any reserves and minus principal payment on debt and capital expenditures, investments in any entity, and increase in reserves or working capital accounts and any amounts paid in redemption of limited partner interests.

The partnership agreement provides that our operating partnership will assume and pay when due, or reimburse us for payment of, all costs and expenses relating to the operations of, or for the benefit of, our operating partnership.

Termination Transactions

The partnership agreement provides that our company may not engage in any merger, consolidation or other combination with or into another person, any sale of all or substantially all of our assets or any reclassification or any recapitalization or change in outstanding shares of our common stock (a "termination transaction"), unless in connection with a termination transaction

(i) we obtain the consent of the holders of at least 35% of our operating partnership's common units, long-term incentive units and class C units (including units held by us), and

(ii) either:

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

(A) all limited partners will receive, or have the right to elect to receive, for each common unit an amount of cash, securities or other property equal to the product of:

the number of shares of our company's common stock into which each unit is then exchangeable, and

the greatest amount of cash, securities or other property paid to the holder of one share of our company's common stock in consideration of one share of our common stock in connection with the termination transaction,

Table of Contents

provided that, if, in connection with a termination transaction, a purchase, tender or exchange offer is made to and accepted by the holders of more than 50% of the outstanding shares of our company's common stock, each holder of common units will receive, or will have the right to elect to receive, the greatest amount of cash, securities or other property which such holder would have received had it exercised its redemption right and received shares of our common stock in exchange for its common units immediately prior to the expiration of such purchase, tender or exchange offer and accepted such purchase, tender or exchange offer; or

(B) the following conditions are met:

substantially all of the assets of the surviving entity are held directly or indirectly by our operating partnership or another limited partnership or limited liability company which is the surviving partnership of a merger, consolidation or combination of assets with our operating partnership;

the holders of common units, long-term incentive units and class C units own a percentage interest of the surviving partnership based on the relative fair market value of the net assets of our operating partnership and the other net assets of the surviving partnership immediately prior to the consummation of this transaction;

the rights, preferences and privileges of such unit holders in the surviving partnership are at least as favorable as those in effect immediately prior to the consummation of the transaction and as those applicable to any other limited partners or non-managing members of the surviving partnership; and

the limited partners may exchange their interests in the surviving partnership for either the consideration available to the limited partners pursuant to paragraph (A) in this section, or the right to redeem their common units for cash on terms equivalent to those in effect with respect to their common units immediately prior to the consummation of the transaction, or, if the ultimate controlling person of the surviving partnership has publicly traded common equity securities, shares of those common equity securities, at an exchange ratio based on the relative fair market value of those securities and our common stock.

Term

Our operating partnership will continue in full force and effect until December 31, 2104, or until sooner dissolved in accordance with its terms or as otherwise provided by law.

Indemnification and Limitation of Liability

To the extent permitted by applicable law, the partnership agreement indemnifies us, as general partner, and our officers, directors, employees and agents and any other persons we may designate from and against any and all claims arising from operations of our operating partnership in which any indemnitee may be involved, or is threatened to be involved, as a party or otherwise, unless it is established that:

the act or omission of the indemnitee was material to the matter giving rise to the proceeding and either was committed in bad faith, constituted fraud or was the result of active and deliberate dishonesty;

the indemnitee actually received an improper personal benefit in money, property or services; or

in the case of any criminal proceeding, the indemnitee had reasonable cause to believe that the act or omission was unlawful.

Similarly, we, as general partner of our operating partnership, and our officers, directors, agents or employees, are not liable or accountable to our operating partnership for losses sustained, liabilities incurred or benefits not derived as a result of errors in judgment or mistakes of fact or law or any act or omission so long as we acted in good faith.

Table of Contents

MATERIAL PROVISIONS OF MARYLAND LAW AND OF OUR CHARTER AND BYLAWS

The following summary of certain provisions of Maryland law and of our charter and bylaws does not purport to be complete and is subject to and qualified in its entirety by reference to Maryland law and our charter and bylaws, copies of which are exhibits to the registration statement of which this prospectus is a part. See [Where You Can Find More Information](#).

Our Board of Directors

Our bylaws provide that the number of directors of our company may be established by our board of directors but may not be fewer than the minimum number permitted under the MGCL or more than 15. Except as may be provided by our board of directors in setting the terms of any class or series of stock, any vacancy may be filled only by a vote of a majority of the remaining directors, even if the remaining directors do not constitute a quorum. Any director elected to fill a vacancy shall serve for the remainder of the full term of the directorship in which the vacancy occurred and until a successor is elected and qualifies.

Each of our directors is elected by our common stockholders to serve until the next annual meeting and until their successors are duly elected and qualify. Holders of shares of our common stock will have no right to cumulative voting in the election of directors. Consequently, at each annual meeting of stockholders, the holders of a majority of the shares of our common stock will be able to elect all of our directors. Additionally, in the event that we are in arrears on dividends on our series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock for six or more quarterly periods, whether or not consecutive, holders of our series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock, as the case may be, voting as a single class with all other series of preferred stock upon which like voting rights have been conferred and are exercisable, will have the right to elect two additional directors to our board for a limited time.

Removal of Directors

Our charter provides that a director may be removed only for cause (as defined in our charter) and only by the affirmative vote of at least two-thirds of the votes entitled to be cast generally in the election of directors. This provision, when coupled with the exclusive power of our board of directors to fill vacant directorships, precludes stockholders from (1) removing incumbent directors except upon the existence of cause for removal and a substantial affirmative vote and (2) filling the vacancies created by such removal with their own nominees. In addition, any director elected to our board by the holders of our preferred stock may only be removed by a vote of preferred stockholders.

Business Combinations

Under the MGCL, certain business combinations (including a merger, consolidation, share exchange or, in certain circumstances, an asset transfer or issuance or reclassification of equity securities) between a Maryland corporation and any interested stockholder, or an affiliate of such an interested stockholder, are prohibited for five years after the most recent date on which the interested stockholder becomes an interested stockholder. Maryland law defines an interested stockholder as any person who beneficially owns 10% or more of the voting power of the corporation's outstanding voting stock or an affiliate or associate of the corporation who, at any time within the two-year period prior to the date in question, was the beneficial owner of 10% or more of the voting power of the then outstanding stock of the corporation. A person is not an interested stockholder under the statute if the board of directors approved in advance the transaction by which the person otherwise would have

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

become an interested stockholder. Our board of directors may provide that its approval is subject to compliance with any terms and conditions determined by it.

After such five-year period, any such business combination must be recommended by the board of directors of such corporation and approved by the affirmative vote of at least (1) 80% of the votes entitled to be cast by

Table of Contents

holders of outstanding shares of voting stock of the corporation and (2) two-thirds of the votes entitled to be cast by holders of voting stock of the corporation other than shares held by the interested stockholder with whom (or with whose affiliate) the business combination is to be effected or by an affiliate or associate of the interested stockholder, unless, among other conditions, the corporation's common stockholders receive a minimum price (as defined in the MGCL) for their shares and the consideration is received in cash or in the same form as previously paid by the interested stockholder for its shares.

These provisions of the MGCL do not apply, however, to business combinations that are approved or exempted by a board of directors prior to the time that the interested stockholder becomes an interested stockholder. Pursuant to the statute, our board of directors has by resolution opted out of the business combination provisions of the MGCL and, consequently, the five-year prohibition and the supermajority vote requirements will not apply to business combinations between us and any interested stockholder of ours. As a result, anyone who later becomes an interested stockholder may be able to enter into business combinations with us that may not be in the best interest of our stockholders without compliance by our company with the super-majority vote requirements and the other provisions of the statute. We cannot assure you that our board of directors will not opt to be subject to such business combination provisions in the future.

Control Share Acquisitions

The MGCL provides that control shares of a Maryland corporation acquired in a control share acquisition have no voting rights except to the extent approved at a special meeting by the affirmative vote of two-thirds of the votes entitled to be cast on the matter, excluding shares of stock in a corporation in respect of which any of the following persons is entitled to exercise or direct the exercise of the voting power of shares of stock of the corporation in the election of directors: (1) a person who makes or proposes to make a control share acquisition, (2) an officer of the corporation or (3) an employee of the corporation who is also a director of the corporation. Control shares are voting shares of stock which, if aggregated with all other such shares of stock previously acquired by the acquiror or in respect of which the acquiror is able to exercise or direct the exercise of voting power (except solely by virtue of a revocable proxy), would entitle the acquiror to exercise voting power in electing directors within one of the following ranges of voting power: (1) one-tenth or more but less than one-third, (2) one-third or more but less than a majority, or (3) a majority or more of all voting power. Control shares do not include shares the acquiring person is then entitled to vote as a result of having previously obtained stockholder approval. A control share acquisition means the acquisition of control shares, subject to certain exceptions.

A person who has made or proposes to make a control share acquisition, upon satisfaction of certain conditions (including an undertaking to pay expenses), may compel our board of directors to call a special meeting of stockholders to be held within 50 days of demand to consider the voting rights of the control shares. If no request for a meeting is made, the corporation may itself present the question at any stockholders meeting.

If voting rights of control shares are not approved at the meeting or if the acquiring person does not deliver an acquiring person statement as required by the statute, then, subject to certain conditions and limitations, the corporation may redeem any or all of the control shares (except those for which voting rights have previously been approved) for fair value determined, without regard to the absence of voting rights for the control shares, as of the date of the last control share acquisition by the acquiror or of any meeting of stockholders at which the voting rights of such shares are considered and not approved. If voting rights for control shares are approved at a stockholders meeting and the acquiror becomes entitled to vote a majority of the shares entitled to vote, all other stockholders may exercise appraisal rights. The fair value of the shares as determined for purposes of such appraisal rights may not be less than the highest price per share paid by the acquiror in the control share acquisition.

The control share acquisition statute does not apply (1) to shares acquired in a merger, consolidation or share exchange if the corporation is a party to the transaction or (2) to acquisitions approved or exempted by the charter or bylaws of the corporation.

Table of Contents

Our bylaws contain a provision exempting from the control share acquisition statute any and all acquisitions by any person of our stock. We cannot provide you any assurance that our board of directors will not amend or eliminate this provision at any time in the future.

Subtitle 8

Title 3, Subtitle 8 of the MGCL permits a Maryland corporation with a class of equity securities registered under the Securities Exchange Act of 1934 and at least three independent directors to elect to be subject, by provision in its charter or bylaws or a resolution of its board of directors and notwithstanding any contrary provision in the charter or bylaws, to any of (1) a classified board of directors, (2) a two-thirds vote requirement for removing a director, (3) a requirement that the number of directors be fixed only by vote of the directors, (4) a requirement that a vacancy on the board of directors be filled only by the remaining directors and for the remainder of the full term of the class of directors in which the vacancy occurred, or (5) a majority requirement for the calling of a special meeting of stockholders. Pursuant to Subtitle 8, we have elected to provide that vacancies on our board of directors may be filled only by the remaining directors and for the remainder of the full term of the directorship in which the vacancy occurred. Through provisions in our charter and bylaws unrelated to Subtitle 8, we already require a two-thirds vote for the removal of any director from the board of directors, vest in the board of directors the exclusive power to fix the number of directorships and fill vacancies and require, unless called by the executive chairman of our board of directors, our president, our chief executive officer or our board of directors, the request of stockholders entitled to cast a majority of all the votes entitled to be cast to call a special meeting.

Amendments to Our Charter and Bylaws

Our charter generally may be amended only if such amendment is declared advisable by our board of directors and approved by the affirmative vote of stockholders entitled to cast a majority of all of the votes entitled to be cast on the matter. In the case of an amendment that would materially and adversely affect our series A preferred stock, series B preferred stock, series C preferred stock, or series D preferred stock, the consent of two-thirds of the outstanding shares of our series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock, as the case may be, voting as a single class with all other classes or series of preferred stock ranking on parity with respect to the payment of dividends and distribution of assets upon our liquidation and upon which like voting rights have been conferred is also required. However, our charter's provisions regarding removal of directors may be amended only if such amendment is declared advisable by our board of directors and approved by the affirmative vote of stockholders entitled to cast not less than two-thirds of all the votes entitled to be cast on the matter. Our board of directors has the exclusive power to adopt, alter or repeal any provision of our bylaws or to make new bylaws.

Transactions Outside the Ordinary Course of Business

We may not merge with or into another company, sell all or substantially all of our assets, engage in a share exchange or engage in similar transactions outside the ordinary course of business unless the transaction is declared advisable by our board of directors and approved by the affirmative vote of stockholders entitled to cast a majority of all of the votes entitled to be cast on the matter. In the case of any such transaction that would materially and adversely affect our series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock, we will also require the consent of two-thirds of the outstanding shares of our series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock, as the case may be, voting as a single class with all other classes or series of preferred stock ranking on parity with respect to the payment of dividends and distribution of assets upon our liquidation and upon which like voting rights have been conferred, *provided*, however, that if, upon the occurrence of such a transaction, the series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock, as the case may be, remains outstanding with materially unchanged terms, taking into account that we may not be the surviving entity, then the transaction will not be deemed to materially and adversely affect our series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock. Furthermore, we will not require the consent

Table of Contents

of the series A, series B, series C or series D preferred stockholders if, pursuant to such a transaction, the series A, series B, series C or series D preferred stockholders receive the greater of the full trading price of the series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock, as the case may be, on the date of the transaction or the liquidation preference.

Dissolution of Our Company

The dissolution of our company must be declared advisable by a majority of our entire board of directors and approved by the affirmative vote of stockholders entitled to cast a majority of all of the votes entitled to be cast on the matter.

Advance Notice of Director Nominations and New Business

Our bylaws provide that:

with respect to an annual meeting of stockholders, nominations of individuals for election to our board of directors and the proposal of business to be considered by stockholders may be made only:

pursuant to our notice of the meeting;

by or at the direction of our board of directors; or

by a stockholder who is a stockholder of record both at the time of giving the advance notice required by our bylaws and at the time of the meeting, who is entitled to vote at the meeting and who has complied with the advance notice procedures set forth in our bylaws.

with respect to special meetings of stockholders, only the business specified in our company's notice of meeting may be brought before the meeting of stockholders and nominations of individuals for election to our board of directors may be made only:

pursuant to our notice of the meeting;

by or at the direction of our board of directors; or

provided that our board of directors has determined that directors shall be elected at such meeting, by a stockholder who is a stockholder of record both at the time of giving the advance notice required by our bylaws and at the time of the meeting, who is entitled to vote at the meeting and who has complied with the advance notice provisions set forth in our bylaws.

The advance notice procedures of our bylaws provide that, to be timely, a stockholder's notice with respect to director nominations or proposals for an annual meeting must be delivered to our corporate secretary at our principal executive office not earlier than 150 days nor later than 5:00

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

p.m., Pacific Time, on the 120th day prior to the first anniversary of the date of the mailing of the notice for our preceding year's annual meeting. If the date of the mailing of the notice for the annual meeting is advanced or delayed by more than 30 days from the first anniversary of the date of the preceding year's annual meeting, to be timely, a stockholder's notice must be delivered not earlier than the 150th day prior to the date of such annual meeting and not later than 5:00 p.m., Pacific time, on the later of the 120th day prior to the date of such annual meeting or the tenth day following the day on which public announcement of the date of such meeting is first made.

Anti-takeover Effect of Certain Provisions of Maryland Law and of Our Charter and Bylaws

The provisions of our charter on removal of directors and the advance notice provisions of the bylaws could delay, defer or prevent a transaction or a change of control of our company that might involve a premium price for holders of our common stock or otherwise be in their best interest. Likewise, if our company's board of directors were to opt in to the business combination provisions of the MGCL or the provisions of Title 3, Subtitle 8 of the MGCL not already applicable to us, or if the provision in the bylaws opting out of the control share acquisition provisions of the MGCL were rescinded, these provisions of the MGCL could have similar anti-takeover effects.

Table of Contents

Ownership Limit

Our charter provides that no person or entity may beneficially own, or be deemed to own by virtue of the applicable constructive ownership provisions of the Code, more than 9.8% (by value or by number of shares, whichever is more restrictive) of the outstanding shares of our common stock, series A preferred stock, series B preferred stock, series C preferred stock or series D preferred stock or more than 9.8% of the value of our outstanding capital stock. We refer to these restrictions as the ownership limits. For a fuller description of this restriction and the constructive ownership rules, see Description of Securities Restrictions on Ownership and Transfer.

Indemnification and Limitation of Directors and Officers Liability

The MGCL permits a Maryland corporation to include in its charter a provision limiting the liability of its directors and officers to the corporation and its stockholders for money damages except for liability resulting from actual receipt of an improper benefit or profit in money, property or services or active and deliberate dishonesty established by a final judgment as being material to the cause of action. Our charter contains such a provision which eliminates such liability to the maximum extent permitted by Maryland law.

The MGCL requires a corporation (unless its charter provides otherwise, which our company's charter does not) to indemnify a director or officer who has been successful, on the merits or otherwise, in the defense of any proceeding to which he or she is made or threatened to be made a party by reason of his or her service in that capacity. The MGCL permits a corporation to indemnify its present and former directors and officers, among others, against judgments, penalties, fines, settlements and reasonable expenses actually incurred by them in connection with any proceeding to which they may be made or are threatened to be made a party by reason of their service in those or other capacities unless it is established that:

the act or omission of the director or officer was material to the matter giving rise to the proceeding and:

was committed in bad faith; or

was the result of active and deliberate dishonesty;

the director or officer actually received an improper personal benefit in money, property or services; or

in the case of any criminal proceeding, the director or officer had reasonable cause to believe that the act or omission was unlawful.

However, under the MGCL, a Maryland corporation may not indemnify for an adverse judgment in a suit by or in the right of the corporation or for a judgment of liability on the basis that personal benefit was improperly received, unless in either case a court orders indemnification and then only for expenses. In addition, the MGCL permits a corporation to advance reasonable expenses to a director or officer upon the corporation's receipt of:

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

a written affirmation by the director or officer of his or her good faith belief that he or she has met the standard of conduct necessary for indemnification by the corporation; and

a written undertaking by the director or officer or on the director's or officer's behalf to repay the amount paid or reimbursed by the corporation if it is ultimately determined that the director or officer did not meet the standard of conduct.

Our charter authorizes us to obligate our company and our bylaws obligate us, to the fullest extent permitted by Maryland law in effect from time to time, to indemnify and, without requiring a preliminary determination of the ultimate entitlement to indemnification, pay or reimburse reasonable expenses in advance of final disposition of a proceeding to:

any present or former director or officer who is made or threatened to be made a party to the proceeding by reason of his or her service in that capacity; or

Table of Contents

any individual who, while a director or officer of our company and at our request, serves or has served another corporation, REIT, partnership, joint venture, trust, employee benefit plan or any other enterprise as a director, officer, partner or trustee and who is made or threatened to be made a party to the proceeding by reason of his or her service in that capacity.

Our charter and bylaws also permit us to indemnify and advance expenses to any person who served a predecessor of ours in any of the capacities described above and to any employee or agent of our company or a predecessor of our company.

The partnership agreement provides that we, as general partner, and our officers and directors are indemnified to the fullest extent permitted by law. See Description of the Partnership Agreement of Digital Realty Trust, L.P. Indemnification and Limitation of Liability. We have also entered into indemnification agreements with each of our executive officers and directors that obligate us to indemnify them to the maximum extent permitted by Maryland law.

Insofar as the foregoing provisions permit indemnification of directors, officers or persons controlling us for liability arising under the Securities Act, we have been informed that in the opinion of the SEC, this indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

Table of Contents

UNITED STATES FEDERAL INCOME TAX CONSIDERATIONS

The following is a general summary of certain material United States federal income tax considerations regarding our company and the ownership of our capital stock. This summary is for general information only and is not tax advice. The information in this summary is based on:

The Internal Revenue Code of 1986, as amended, or the Code;

current, temporary and proposed Treasury Regulations promulgated under the Code;

the legislative history of the Code;

current administrative interpretations and practices of the Internal Revenue Service, or the IRS; and

court decisions;

in each case, as of the date of this prospectus. In addition, the administrative interpretations and practices of the IRS include its practices and policies as expressed in private letter rulings that are not binding on the IRS except with respect to the particular taxpayers who requested and received those rulings. Future legislation, Treasury Regulations, administrative interpretations and practices and/or court decisions may adversely affect the tax considerations contained in this discussion. Any such change could apply retroactively to transactions preceding the date of the change. We have not requested and do not intend to request a ruling from the IRS that we qualify as a REIT, and the statements in this prospectus are not binding on the IRS or any court. Thus, we can provide no assurance that the tax considerations contained in this discussion will not be challenged by the IRS or will be sustained by a court if challenged by the IRS. This summary does not discuss any state, local or foreign tax consequences associated with the acquisition, ownership, sale or other disposition of our capital stock or our election to be taxed as a REIT.

You are urged to consult your tax advisors regarding the tax consequences to you of:

the acquisition, ownership and sale or other disposition of our capital stock, including the federal, state, local, foreign and other tax consequences;

our election to be taxed as a REIT for federal income tax purposes; and

potential changes in applicable tax laws.

Taxation of Our Company

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

General. We have elected to be taxed as a REIT under Sections 856 through 860 of the Code, commencing with our taxable year ended December 31, 2004. We believe that we have been organized and have operated in a manner which has allowed us to qualify for taxation as a REIT under the Code commencing with our taxable year ended December 31, 2004, and we intend to continue to be organized and operate in this manner. However, qualification and taxation as a REIT depend upon our ability to meet the various qualification tests imposed under the Code, including through actual annual operating results, asset composition, distribution levels and diversity of stock ownership. Accordingly, no assurance can be given that we have been organized and have operated, or will continue to be organized and operate, in a manner so as to qualify or remain qualified as a REIT. See Failure to Qualify.

The sections of the Code and the corresponding Treasury Regulations that relate to qualification and taxation as a REIT are highly technical and complex. The following sets forth certain material aspects of the sections of the Code that govern the federal income tax treatment of a REIT and its stockholders. This summary is qualified in its entirety by the applicable Code provisions, relevant rules and regulations promulgated under the Code, and administrative and judicial interpretations of the Code and these rules and regulations.

Latham & Watkins LLP has acted as our tax counsel in connection with this prospectus. Latham & Watkins LLP has rendered an opinion to us to the effect that, commencing with our taxable year ending December 31, 2004, we have been organized and have operated in conformity with the requirements for qualification and

Table of Contents

taxation as a REIT under the Code, and our proposed method of operation will enable us to continue to meet the requirements for qualification and taxation as a REIT under the Code. It must be emphasized that this opinion was based on various assumptions and representations as to factual matters, including representations made by us in a factual certificate provided by one of our officers. In addition, this opinion was based upon our factual representations set forth in this prospectus. Moreover, our qualification and taxation as a REIT depend upon our ability to meet the various qualification tests imposed under the Code, which are discussed below, including through actual annual operating results, asset composition, distribution levels and diversity of stock ownership, the results of which have not been and will not be reviewed by Latham & Watkins LLP. Accordingly, no assurance can be given that our actual results of operation for any particular taxable year will satisfy those requirements. Further, the anticipated income tax treatment described in this prospectus may be changed, perhaps retroactively, by legislative, administrative or judicial action at any time. Latham & Watkins LLP has no obligation to update its opinion subsequent to its date.

Provided we qualify for taxation as a REIT, we generally will not be required to pay federal corporate income taxes on our net income that is currently distributed to our stockholders. This treatment substantially eliminates the double taxation that ordinarily results from investment in a C corporation. A C corporation is a corporation that generally is required to pay tax at the corporate level. Double taxation means taxation once at the corporate-level when income is earned and once again at the stockholder level when the income is distributed. We will, however, be required to pay federal income tax as follows:

First, we will be required to pay tax at regular corporate rates on any undistributed REIT taxable income, including undistributed net capital gains.

Second, we may be required to pay the alternative minimum tax on our items of tax preference under some circumstances.

Third, if we have (1) net income from the sale or other disposition of foreclosure property which is held primarily for sale to customers in the ordinary course of business or (2) other nonqualifying income from foreclosure property, we will be required to pay tax at the highest corporate rate on this income. Foreclosure property generally is defined as property we acquired through foreclosure or after a default on a loan secured by the property or a lease of the property.

Fourth, we will be required to pay a 100% tax on any net income from prohibited transactions. Prohibited transactions are, in general, sales or other taxable dispositions of property, other than foreclosure property, held primarily for sale to customers in the ordinary course of business.

Fifth, if we fail to satisfy the 75% gross income test or the 95% gross income test, as discussed below, but have otherwise maintained our qualification as a REIT because certain other requirements are met, we will be required to pay a tax equal to (1) the greater of (A) the amount by which 75% of our gross income exceeds the amount qualifying under the 75% gross income test and (B) the amount by which 95% of our gross income exceeds the amount qualifying under the 95% gross income test, multiplied by (2) a fraction intended to reflect our profitability.

Sixth, if we fail to satisfy any of the REIT asset tests (other than a *de minimis* failure of the 5% or 10% asset test), as described below, due to reasonable cause and not due to willful neglect, and we nonetheless maintain our REIT qualification because of specified cure provisions, we will be required to pay a tax equal to the greater of \$50,000 or the highest corporate tax rate multiplied by the net income generated by the nonqualifying assets that caused us to fail such test.

Seventh, if we fail to satisfy any provision of the Code that would result in our failure to qualify as a REIT (other than a violation of the REIT gross income tests or certain violations of the asset tests described below) and the violation is due to reasonable cause and not due to willful neglect, we may retain our REIT qualification but we will be required to pay a penalty of \$50,000 for each such failure.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

Eighth, we will be required to pay a 4% excise tax to the extent we fail to distribute during each calendar year at least the sum of (1) 85% of our REIT ordinary income for the year, (2) 95% of our REIT capital gain net income for the year, and (3) any undistributed taxable income from prior periods.

Table of Contents

Ninth, if we acquire any asset from a corporation which is or has been a C corporation in a transaction in which the basis of the asset in our hands is determined by reference to the basis of the asset in the hands of the C corporation, and we subsequently recognize gain on the disposition of the asset during the ten-year period beginning on the date on which we acquired the asset, then we will be required to pay tax at the highest regular corporate tax rate on this gain to the extent of the excess of (1) the fair market value of the asset over (2) our adjusted basis in the asset, in each case determined as of the date on which we acquired the asset. The results described in this paragraph with respect to the recognition of gain assume that the C corporation will refrain from making an election to receive different treatment under existing Treasury Regulations on its tax return for the year in which we acquire the asset from the C corporation.

Tenth, we will be required to pay a 100% tax on any redetermined rents, redetermined deductions or excess interest. See Penalty Tax. In general, redetermined rents are rents from real property that are overstated as a result of services furnished to any of our tenants by a taxable REIT subsidiary of ours. Redetermined deductions and excess interest generally represent amounts that are deducted by a taxable REIT subsidiary of ours for amounts paid to us that are in excess of the amounts that would have been deducted based on arm's length negotiations.

Other countries may impose taxes on our operations within their jurisdictions. To the extent possible, we will structure our activities to minimize our foreign tax liability. However, there can be no complete assurance that we will be able to eliminate our foreign tax liability or reduce it to a specified level. Furthermore, as a REIT, both we and our stockholders will derive little or no benefit from foreign tax credits arising from those taxes.

Requirements for Qualification as a REIT. The Code defines a REIT as a corporation, trust or association:

- (1) that is managed by one or more trustees or directors;
- (2) that issues transferable shares or transferable certificates to evidence its beneficial ownership;
- (3) that would be taxable as a domestic corporation, but for Sections 856 through 860 of the Code;
- (4) that is not a financial institution or an insurance company within the meaning of certain provisions of the Code;
- (5) that is beneficially owned by 100 or more persons;
- (6) not more than 50% in value of the outstanding stock of which is owned, actually or constructively, by five or fewer individuals, including specified entities, during the last half of each taxable year; and
- (7) that meets other tests, described below, regarding the nature of its income and assets and the amount of its distributions.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

The Code provides that conditions (1) to (4), inclusive, must be met during the entire taxable year and that condition (5) must be met during at least 335 days of a taxable year of 12 months, or during a proportionate part of a taxable year of less than 12 months. Conditions (5) and (6) do not apply until after the first taxable year for which an election is made to be taxed as a REIT. For purposes of condition (6), pension funds and other specified tax-exempt entities generally are treated as individuals, except that a look-through exception applies with respect to pension funds.

We believe that we have been organized, have operated and have issued sufficient shares of capital stock with sufficient diversity of ownership to allow us to satisfy conditions (1) through (7) inclusive, during the relevant time periods. In addition, our charter provides for restrictions regarding ownership and transfer of our shares which are intended to assist us in continuing to satisfy the share ownership requirements described in (5) and (6) above. A description of the transfer restrictions relating to our outstanding common and preferred stock is contained in or incorporated by reference in the relevant prospectuses pursuant to which we have offered such securities from time to time. These restrictions, however, may not ensure that we will, in all cases, be able to satisfy the share ownership requirements described in (5) and (6) above. If we fail to satisfy these share

Table of Contents

ownership requirements, except as provided in the next sentence, our status as a REIT will terminate. If, however, we comply with the rules contained in applicable Treasury Regulations that require us to ascertain the actual ownership of our shares and we do not know, or would not have known through the exercise of reasonable diligence, that we failed to meet the requirement described in condition (6) above, we will be treated as having met this requirement. See Failure to Qualify.

In addition, we may not maintain our status as a REIT unless our taxable year is the calendar year. We have and will continue to have a calendar taxable year.

Ownership of Interests in Partnerships, Limited Liability Companies and Qualified REIT Subsidiaries. In the case of a REIT which is a partner in a partnership or a member in a limited liability company treated as a partnership for federal income tax purposes, Treasury Regulations provide that the REIT will be deemed to own its proportionate share of the assets of the partnership or limited liability company, as the case may be, based on its interest in partnership capital, subject to special rules relating to the 10% REIT asset test described below. Also, the REIT will be deemed to be entitled to its proportionate share of the income of that entity. The assets and gross income of the partnership or limited liability company retain the same character in the hands of the REIT for purposes of Section 856 of the Code, including satisfying the gross income tests and the asset tests. Thus, our pro rata share of the assets and items of income of our operating partnership, including our operating partnership's share of these items of any partnership or limited liability company treated as a partnership or disregarded entity for federal income tax purposes in which it owns an interest, is treated as our assets and items of income for purposes of applying the requirements described in this discussion, including the income and asset tests described below. A brief summary of the rules governing the federal income taxation of partnerships and limited liability companies is set forth below in Tax Aspects of Our Operating Partnership, the Subsidiary Partnerships and the Limited Liability Companies.

We have control of our operating partnership and most of the subsidiary partnerships and limited liability companies and intend to operate them in a manner consistent with the requirements for our qualification as a REIT. We may from time to time be a limited partner or non-managing member in some of our partnerships and limited liability companies. If a partnership or limited liability company in which we own an interest takes or expects to take actions that could jeopardize our status as a REIT or require us to pay tax, we may be forced to dispose of our interest in such entity. In addition, it is possible that a partnership or limited liability company could take an action which could cause us to fail a REIT income or asset test, and that we would not become aware of such action in time to dispose of our interest in the partnership or limited liability company or take other corrective action on a timely basis. In that case, we could fail to qualify as a REIT unless we were entitled to relief, as described below.

We may from time to time own and operate certain properties through wholly-owned subsidiaries that we intend to be treated as qualified REIT subsidiaries under the Code. A corporation will qualify as our qualified REIT subsidiary if we own 100% of the corporation's outstanding stock, and if we do not elect with the subsidiary to treat it as a taxable REIT subsidiary, as described below. A corporation that is a qualified REIT subsidiary is not treated as a separate corporation, and all assets, liabilities and items of income, gain, loss, deduction and credit of a qualified REIT subsidiary are treated as assets, liabilities and items of income, gain, loss, deduction and credit (as the case may be) of the parent REIT for all purposes under the Code (including all REIT qualification tests). Thus, in applying the federal tax requirements described in this discussion, any corporations in which we own a 100% interest (other than any taxable REIT subsidiaries) are ignored, and all assets, liabilities and items of income, gain, loss, deduction and credit of such corporations are treated as our assets, liabilities and items of income, gain, loss, deduction and credit. A qualified REIT subsidiary is not required to pay federal income tax, and our ownership of the stock of a qualified REIT subsidiary does not violate the restrictions on ownership of securities, as described below under Asset Tests.

Ownership of Interests in Taxable REIT Subsidiaries. We own an interest in a number of taxable REIT subsidiaries and may acquire securities in additional taxable REIT subsidiaries in the future. A taxable REIT

Table of Contents

subsidiary is a corporation other than a REIT in which a REIT directly or indirectly holds stock, and that has made a joint election with such REIT to be treated as a taxable REIT subsidiary. A taxable REIT subsidiary also includes any corporation other than a REIT with respect to which a taxable REIT subsidiary owns securities possessing more than 35% of the total voting power or value of the outstanding securities of such corporation. Other than some activities relating to lodging and health care facilities, a taxable REIT subsidiary may generally engage in any business, including the provision of customary or non-customary services to tenants of its parent REIT. A taxable REIT subsidiary is subject to income tax as a regular C corporation. In addition, a taxable REIT subsidiary may be prevented from deducting interest on debt funded directly or indirectly by its parent REIT if certain tests regarding the taxable REIT subsidiary's debt to equity ratio and interest expense are not satisfied. A REIT's ownership of securities of taxable REIT subsidiaries will not be subject to the 10% or 5% asset test described below, and their operations will be subject to the provisions described above. See Asset Tests.

Income Tests. We must satisfy two gross income requirements annually to maintain our qualification as a REIT. First, in each taxable year we must derive directly or indirectly at least 75% of our gross income, excluding gross income from prohibited transactions, certain hedging transactions entered into after July 30, 2008, and certain foreign currency gains recognized after July 30, 2008, from investments relating to real property or mortgages on real property, including rents from real property and, in certain circumstances, interest, or certain types of temporary investments. Second, in each taxable year we must derive at least 95% of our gross income, excluding gross income from prohibited transactions, certain hedging transactions entered into on or after January 1, 2005, and certain foreign currency gains recognized after July 30, 2008, from the real property investments described above or dividends, interest and gain from the sale or disposition of stock or securities, or from any combination of the foregoing. For these purposes, the term interest generally does not include any amount received or accrued, directly or indirectly, if the determination of all or some of the amount depends in any way on the income or profits of any person. However, an amount received or accrued generally will not be excluded from the term interest solely by reason of being based on a fixed percentage or percentages of receipts or sales.

Rents we receive from a tenant will qualify as rents from real property for the purpose of satisfying the gross income requirements for a REIT described above only if all of the following conditions are met:

The amount of rent must not be based in any way on the income or profits of any person. However, an amount we receive or accrue generally will not be excluded from the term rents from real property solely because it is based on a fixed percentage or percentages of receipts or sales;

We, or an actual or constructive owner of 10% or more of our capital stock, must not actually or constructively own 10% or more of the interests in the tenant, or, if the tenant is a corporation, 10% or more of the voting power or value of all classes of stock of the tenant. Rents received from such a tenant that is a taxable REIT subsidiary, however, will not be excluded from the definition of rents from real property as a result of this condition if at least 90% of the space at the property to which the rents relate is leased to third parties, and the rents paid by the taxable REIT subsidiary are comparable to rents paid by our other tenants for comparable space. Whether rents paid by a taxable REIT subsidiary are substantially comparable to rents paid by other tenants is determined at the time the lease with the taxable REIT subsidiary is entered into, extended, and modified, if such modification increases the rents due under such lease. Notwithstanding the foregoing, however, if a lease with a controlled taxable REIT subsidiary is modified and such modification results in an increase in the rents payable by such taxable REIT subsidiary, any such increase will not qualify as rents from real property. For purposes of this rule, a controlled taxable REIT subsidiary is a taxable REIT subsidiary in which we own stock possessing more than 50% of the voting power or more than 50% of the total value of the outstanding stock of such taxable REIT subsidiary;

Rent attributable to personal property, leased in connection with a lease of real property, is not greater than 15% of the total rent received under the lease. If this condition is not met, then the portion of the rent attributable to personal property will not qualify as rents from real property ; and

Table of Contents

We generally must not operate or manage the property or furnish or render services to our tenants, subject to a 1% *de minimis* exception and except as provided below. We may, however, perform services that are usually or customarily rendered in connection with the rental of space for occupancy only and are not otherwise considered rendered to the occupant of the property. Examples of these services include the provision of light, heat, or other utilities, trash removal and general maintenance of common areas. In addition, we may employ an independent contractor from whom we derive no revenue to provide customary services, or a taxable REIT subsidiary, which may be wholly or partially owned by us, to provide both customary and non-customary services to our tenants without causing the rent we receive from those tenants to fail to qualify as rents from real property. Any amounts we receive from a taxable REIT subsidiary with respect to the taxable REIT subsidiary's provision of non-customary services will, however, be nonqualifying income under the 75% gross income test and, except to the extent received through the payment of dividends, the 95% REIT gross income test.

We generally do not intend, and as a general partner of our operating partnership, do not intend to permit our operating partnership, to take actions we believe will cause us to fail to satisfy the rental conditions described above. However, we may intentionally fail to satisfy some of these conditions to the extent the failure will not, based on the advice of our tax counsel, jeopardize our tax status as a REIT. In addition, with respect to the limitation on the rental of personal property, we have not obtained appraisals of the real property and personal property leased to tenants. Accordingly, there can be no assurance that the IRS will not disagree with our determinations of value.

Income we receive that is attributable to the rental of parking spaces at the properties will constitute rents from real property for purposes of the REIT gross income tests if certain services provided with respect to the parking spaces are performed by independent contractors from whom we derive no revenue, either directly or indirectly, or by a taxable REIT subsidiary, and certain other conditions are met. We believe that the income we receive that is attributable to parking spaces meets these tests and, accordingly, will constitute rents from real property for purposes of the REIT gross income tests.

From time to time, we enter into hedging transactions with respect to one or more of our assets or liabilities. Our hedging activities may include entering into interest rate swaps, caps, and floors, options to purchase these items, and futures and forward contracts. Income from a hedging transaction, including gain from the sale or disposition of such a transaction, that is clearly identified as a hedging transaction as specified in the Code will not constitute gross income and thus will be exempt from the 95% gross income test to the extent such a hedging transaction is entered into on or after January 1, 2005, and will not constitute gross income and thus will be exempt from the 75% gross income test to the extent such hedging transaction is entered into after July 30, 2008. Income and gain from a hedging transaction, including gain from the sale or disposition of such a transaction, entered into on or prior to July 30, 2008 will be treated as nonqualifying income for purposes of the 75% gross income test. Income and gain from a hedging transaction, including gain from the sale or disposition of such a transaction, entered into prior to January 1, 2005 will be qualifying income for purposes of the 95% gross income test. The term hedging transaction, as used above, generally means any transaction we enter into in the normal course of our business primarily to manage risk of (1) interest rate changes or fluctuations with respect to borrowings made or to be made by us to acquire or carry real estate assets, or (2) for hedging transactions entered into after July 30, 2008, currency fluctuations with respect to an item of qualifying income under the 75% or 95% gross income test. To the extent that we do not properly identify such transactions as hedges or we hedge with other types of financial instruments, the income from those transactions is not likely to be treated as qualifying income for purposes of the gross income tests. We intend to structure any hedging transactions in a manner that does not jeopardize our status as a REIT.

We have investments in several entities located outside the United States and in the future we may invest in additional entities or properties located outside the United States. In addition, from time to time we may acquire additional properties outside of the United States, through a taxable REIT subsidiary or otherwise. These acquisitions could cause us to incur foreign currency gains or losses. Prior to July 30, 2008, the characterization of any such foreign currency gains for purposes of the REIT gross income tests was unclear, though the IRS had

Table of Contents

indicated that REITs could apply the principles of proposed Treasury Regulations to determine whether such foreign currency gain constituted qualifying income under the REIT income tests. As a result, we anticipate that any foreign currency gains we recognized on or prior to July 30, 2008 with respect to rents from any property located outside the United States were qualifying income for purposes of the 75% and 95% gross income tests. Any foreign currency gains recognized after July 30, 2008 to the extent attributable to specified assets or items of qualifying income or gain for purposes of the 75% or 95% gross income test, however, generally will not constitute gross income for purposes of the applicable test, and therefore will be exempt from such test, provided we do not deal in or engage in substantial and regular trading in securities, which we do not intend to do.

To the extent our taxable REIT subsidiaries pay dividends, we generally will derive our allocable share of such dividend income through our interest in our operating partnership. Such dividend income will qualify under the 95%, but not the 75%, REIT gross income test. In addition, from time to time we may own interests in entities that are controlled foreign corporations for United States federal income tax purposes under applicable tax rules. We will be deemed to receive our allocable share of certain income earned by such entities through our interest in our operating partnership, whether or not such income actually is distributed to our operating partnership. This income will not qualify for the 75% income test, and it is unclear whether it will qualify for the 95% income test. We will monitor the amount of the dividend and other income from our taxable REIT subsidiaries and will take actions intended to keep this income, and any other nonqualifying income, within the limitations of the REIT income tests. While we expect these actions will prevent a violation of the REIT income tests, we cannot guarantee that such actions will in all cases prevent such a violation.

If we fail to satisfy one or both of the 75% or 95% gross income tests for any taxable year, we may nevertheless qualify as a REIT for the year if we are entitled to relief under certain provisions of the Code. Commencing with our taxable year beginning January 1, 2005, we generally may make use of the relief provisions if:

following our identification of the failure to meet the 75% or 95% gross income tests for any taxable year, we file a schedule with the IRS setting forth each item of our gross income for purposes of the 75% or 95% gross income tests for such taxable year in accordance with Treasury Regulations to be issued; and

our failure to meet these tests was due to reasonable cause and not due to willful neglect.

It is not possible, however, to state whether in all circumstances we would be entitled to the benefit of these relief provisions. For example, if we fail to satisfy the gross income tests because nonqualifying income that we intentionally accrue or receive exceeds the limits on nonqualifying income, the IRS could conclude that our failure to satisfy the tests was not due to reasonable cause. If these relief provisions do not apply to a particular set of circumstances, we will not qualify as a REIT. As discussed above in *Taxation of Our Company General*, even if these relief provisions apply, and we retain our status as a REIT, a tax would be imposed with respect to our nonqualifying income. We may not always be able to comply with the gross income tests for REIT qualification despite periodic monitoring of our income.

Prohibited Transaction Income. Any gain that we realize (including any net foreign currency gain recognized after July 30, 2008) on the sale of property held as inventory or otherwise held primarily for sale to customers in the ordinary course of business, including our share of any such gain realized by our operating partnership, either directly or through its subsidiary partnerships and limited liability companies, will be treated as income from a prohibited transaction that is subject to a 100% penalty tax, unless certain safe harbor exceptions apply. This prohibited transaction income may also adversely affect our ability to satisfy the income tests for qualification as a REIT. Under existing law, whether property is held as inventory or primarily for sale to customers in the ordinary course of a trade or business is a question of fact that depends on all the facts and circumstances surrounding the particular transaction. Our operating partnership intends to hold its properties for investment with a view to long-term appreciation, to engage in the business of acquiring, developing and owning its properties and to make occasional sales of the properties as are consistent with our operating partnership's

Table of Contents

investment objectives. We do not intend to enter into any sales that are prohibited transactions. However, the IRS may successfully contend that some or all of the sales made by our operating partnership or its subsidiary partnerships or limited liability companies are prohibited transactions. We would be required to pay the 100% penalty tax on our allocable share of the gains resulting from any such sales.

Penalty Tax. Any redetermined rents, redetermined deductions or excess interest we generate will be subject to a 100% penalty tax. In general, redetermined rents are rents from real property that are overstated as a result of any services furnished to any of our tenants by one of our taxable REIT subsidiaries, and redetermined deductions and excess interest represent any amounts that are deducted by a taxable REIT subsidiary for amounts paid to us that are in excess of the amounts that would have been deducted based on arm's-length negotiations. Rents we receive will not constitute redetermined rents if they qualify for certain safe harbor provisions contained in the Code.

From time to time, our taxable REIT subsidiaries may provide services to our tenants. We intend to set the fees paid to our taxable REIT subsidiaries for such services at arm's-length rates, although the fees paid may not satisfy the safe-harbor provisions described above. These determinations are inherently factual, and the IRS has broad discretion to assert that amounts paid between related parties should be reallocated to clearly reflect their respective incomes. If the IRS successfully made such an assertion, we would be required to pay a 100% penalty tax on the excess of an arm's-length fee for tenant services over the amount actually paid.

Asset Tests. At the close of each quarter of our taxable year, we must also satisfy four tests relating to the nature and diversification of our assets. First, at least 75% of the value of our total assets must be represented by real estate assets, cash, cash items and government securities. For purposes of this test, the term "real estate assets" generally means real property (including interests in real property and interests in mortgages on real property) and shares (or transferable certificates of beneficial interest) in other REITs, as well as any stock or debt instrument attributable to the investment of the proceeds of a stock offering or a public offering of debt with a term of at least five years, but only for the one-year period beginning on the date the REIT receives such proceeds.

Second, not more than 25% of the value of our total assets may be represented by securities, other than those securities includable in the 75% asset test.

Third, of the investments included in the 25% asset class, and except for investments in other REITs, our qualified REIT subsidiaries and taxable REIT subsidiaries, the value of any one issuer's securities may not exceed 5% of the value of our total assets, and we may not own more than 10% of the total vote or value of the outstanding securities of any one issuer except, in the case of the 10% value test, securities satisfying the "straight debt" safe-harbor or securities issued by a partnership that itself would satisfy the 75% income test if it were a REIT. Certain types of securities we may own are disregarded as securities solely for purposes of the 10% value test, including, but not limited to, any loan to an individual or an estate, any obligation to pay rents from real property and any security issued by a REIT. In addition, commencing with our taxable year beginning January 1, 2005, solely for purposes of the 10% value test, the determination of our interest in the assets of a partnership or limited liability company in which we own an interest will be based on our proportionate interest in any securities issued by the partnership or limited liability company, excluding for this purpose certain securities described in the Code.

Fourth, not more than 25% (20% for taxable years ending on or before December 31, 2008) of the value of our total assets may be represented by the securities of one or more taxable REIT subsidiaries.

Our operating partnership owns 100% of the stock of certain corporations that have elected, together with us, to be treated as our taxable REIT subsidiaries. So long as each of these companies qualifies as a taxable REIT subsidiary, we will not be subject to the 5% asset test, the 10% voting securities limitation or the 10% value limitation with respect to our ownership of their stock. We may acquire securities in other taxable

REIT

Table of Contents

subsidiaries in the future. We believe that the aggregate value of our taxable REIT subsidiaries has not exceeded 20% of the aggregate value of our gross assets in any taxable year ending on or before December 31, 2008, and we believe that in the future it will not exceed 25% of the aggregate value of our gross assets. No independent appraisals have been obtained to support these conclusions. In addition, there can be no assurance that the IRS will agree with our determinations of value.

The asset tests must be satisfied at the close of each calendar quarter of our taxable year in which we (directly or through our operating partnership) acquire securities in the applicable issuer, and also at the close of each calendar quarter in which we increase our ownership of securities of such issuer (including as a result of increasing our interest in our operating partnership). For example, our indirect ownership of securities of each issuer will increase as a result of our capital contributions to our operating partnership or as limited partners exercise their redemption/exchange rights. After initially meeting the asset tests at the close of any quarter, we will not lose our status as a REIT for failure to satisfy the asset tests at the end of a later quarter solely by reason of changes in asset values (including, for our taxable year beginning on January 1, 2009 and all taxable years thereafter, a change caused by changes in the foreign currency exchange rate used to value foreign assets). If we fail to satisfy an asset test because we acquire securities or other property during a quarter (including as a result of an increase in our interest in our operating partnership), we may cure this failure by disposing of sufficient nonqualifying assets within 30 days after the close of that quarter. We believe that we have maintained and intend to maintain adequate records of the value of our assets to ensure compliance with the asset tests. If we failed to cure any noncompliance with the asset tests within the 30 day cure period, we would cease to qualify as a REIT unless we are eligible for certain relief provisions discussed below.

Certain relief provisions may be available to us if we discover a failure to satisfy the asset tests described above after the 30 day cure period. Under these provisions, we will be deemed to have met the 5% and 10% REIT asset tests if the value of our nonqualifying assets (i) does not exceed the lesser of (a) 1% of the total value of our assets at the end of the applicable quarter or (b) \$10,000,000, and (ii) we dispose of the nonqualifying assets or otherwise satisfy such tests within (a) six months after the last day of the quarter in which the failure to satisfy the asset tests is discovered or (b) the period of time prescribed by Treasury Regulations to be issued. For violations of any of the asset tests due to reasonable cause and not due to willful neglect and that are, in the case of the 5% and 10% asset tests, in excess of the *de minimis* exception described above, we may avoid disqualification as a REIT after the 30 day cure period by taking steps including (i) the disposition of sufficient nonqualifying assets, or the taking of other actions, which allow us to meet the asset test within (a) six months after the last day of the quarter in which the failure to satisfy the asset tests is discovered or (b) the period of time prescribed by Treasury Regulations to be issued, (ii) paying a tax equal to the greater of (a) \$50,000 or (b) the highest corporate tax rate multiplied by the net income generated by the nonqualifying assets, and (iii) disclosing certain information to the IRS.

Although we believe we have satisfied the asset tests described above and plan to take steps to ensure that we satisfy such tests for any quarter with respect to which retesting is to occur, there can be no assurance we will always be successful, or will not require a reduction in our operating partnership's overall interest in an issuer (including in a taxable REIT subsidiary). If we fail to cure any noncompliance with the asset tests in a timely manner, and the relief provisions described above are not available, we would cease to qualify as a REIT.

Annual Distribution Requirements. To maintain our qualification as a REIT, we are required to distribute dividends, other than capital gain dividends, to our stockholders in an amount at least equal to the sum of:

90% of our REIT taxable income ; and

90% of our after tax net income, if any, from foreclosure property; minus

the excess of the sum of certain items of non-cash income over 5% of our REIT taxable income.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

For these purposes, our REIT taxable income is computed without regard to the dividends paid deduction and our net capital gain. In addition, for purposes of this test, non-cash income means income attributable to

Table of Contents

leveled stepped rents, original issue discount on purchase money debt, cancellation of indebtedness, or a like-kind exchange that is later determined to be taxable.

In addition, if we dispose of any asset we acquired from a corporation which is or has been a C corporation in a transaction in which our basis in the asset is determined by reference to the basis of the asset in the hands of that C corporation, within the ten-year period following our acquisition of such asset, we would be required to distribute at least 90% of the after-tax gain, if any, we recognized on the disposition of the asset, to the extent that gain does not exceed the excess of (a) the fair market value of the asset over (b) our adjusted basis in the asset, in each case, on the date we acquired the asset.

We generally must pay, or be treated as paying, the distributions described above in the taxable year to which they relate. At our election, a distribution will be treated as paid in a taxable year if it is declared before we timely file our tax return for such year and paid on or before the first regular dividend payment after such declaration, provided such payment is made during the 12-month period following the close of such year. These distributions are taxable to our stockholders, other than tax-exempt entities, in the year in which paid. This is so even though these distributions relate to the prior year for purposes of the 90% distribution requirement. The amount distributed must not be preferential i.e., every stockholder of the class of stock to which a distribution is made must be treated the same as every other stockholder of that class, and no class of stock may be treated otherwise than according to its dividend rights as a class. To the extent that we do not distribute all of our net capital gain, or distribute at least 90%, but less than 100%, of our REIT taxable income, as adjusted, we will be required to pay tax on the undistributed amount at regular corporate tax rates. We believe we have made, and intend to continue to make timely distributions sufficient to satisfy these annual distribution requirements and to minimize our corporate tax obligations. In this regard, the partnership agreement of our operating partnership authorizes us, as general partner of our operating partnership, to take such steps as may be necessary to cause our operating partnership to distribute to its partners an amount sufficient to permit us to meet these distribution requirements and to minimize our corporate tax obligation.

We expect that our REIT taxable income will be less than our cash flow because of depreciation and other non-cash charges included in computing REIT taxable income. Accordingly, we anticipate that we generally will have sufficient cash or liquid assets to enable us to satisfy the distribution requirements described above. However, from time to time, we may not have sufficient cash or other liquid assets to meet these distribution requirements due to timing differences between the actual receipt of income and actual payment of deductible expenses, and the inclusion of income and deduction of expenses in determining our taxable income. In addition, we may decide to retain our cash, rather than distribute it, in order to repay debt or for other reasons. If these timing differences occur, we may borrow funds to pay dividends or pay dividends in the form of taxable stock dividends in order to meet the distribution requirements, while preserving our cash. Revenue Procedure 2009-15 sets forth a safe harbor pursuant to which certain part-stock and part-cash dividends distributed by REITs for calendar years 2008 and 2009 will satisfy the REIT distribution requirements. Under the terms of this Revenue Procedure, up to 90% of our distributions could be paid in our stock.

Under some circumstances, we may be able to rectify an inadvertent failure to meet the 90% distribution requirement for a year by paying deficiency dividends to our stockholders in a later year, which may be included in our deduction for dividends paid for the earlier year. Thus, we may be able to avoid being taxed on amounts distributed as deficiency dividends, subject to the 4% excise tax described below. However, we will be required to pay interest to the IRS based upon the amount of any deduction claimed for deficiency dividends.

Furthermore, we will be required to pay a 4% excise tax to the extent we fail to distribute during each calendar year at least the sum of 85% of our REIT ordinary income for such year, 95% of our REIT capital gain income for the year and any undistributed taxable income from prior periods. Any REIT taxable income and net capital gain on which this excise tax is imposed for any year is treated as an amount distributed during that year for purposes of calculating such tax.

Table of Contents

For purposes of the distribution requirements and excise tax described above, dividends declared during the last three months of the taxable year, payable to stockholders of record on a specified date during such period and paid during January of the following year, will be treated as paid by us and received by our stockholders on December 31 of the year in which they are declared.

Like-Kind Exchanges. We may dispose of properties in transactions intended to qualify as like-kind exchanges under the Code. Such like-kind exchanges are intended to result in the deferral of gain for federal income tax purposes. The failure of any such transaction to qualify as a like-kind exchange could subject us to federal income tax, possibly including the 100% prohibited transaction tax, depending on the facts and circumstances surrounding the particular transaction.

Failure To Qualify

Commencing with our taxable year beginning January 1, 2005, specified cure provisions are available to us in the event that we discover a violation of a provision of the Code that would result in our failure to qualify as a REIT. Except with respect to violations of the REIT income tests and asset tests (for which the cure provisions are described above), and provided the violation is due to reasonable cause and not due to willful neglect, these cure provisions generally impose a \$50,000 penalty for each violation in lieu of a loss of REIT status. If we fail to qualify for taxation as a REIT in any taxable year, and the relief provisions do not apply, we will be required to pay tax, including any applicable alternative minimum tax, on our taxable income at regular corporate rates. Distributions to stockholders in any year in which we fail to qualify as a REIT will not be deductible by us, and we will not be required to distribute any amounts to our stockholders. As a result, we anticipate that our failure to qualify as a REIT would reduce the cash available for distribution by us to our stockholders. In addition, if we fail to qualify as a REIT, all distributions to stockholders will be taxable as regular corporate dividends to the extent of our current and accumulated earnings and profits. In this event, corporate distributees may be eligible for the dividends-received deduction. In addition, individuals may be eligible for the preferential rates on qualified dividend income. Unless entitled to relief under specific statutory provisions, we will also be ineligible to elect to be treated as a REIT for the four taxable years following the year during which we lost our qualification. It is not possible to state whether in all circumstances we would be entitled to this statutory relief.

Tax Aspects of Our Operating Partnership, the Subsidiary Partnerships and the Limited Liability Companies

General. All of our investments are held indirectly through our operating partnership. In addition, our operating partnership holds certain of its investments indirectly through subsidiary partnerships and limited liability companies which we expect will be treated as partnerships or disregarded entities for federal income tax purposes. In general, entities that are classified as partnerships or disregarded entities for federal income tax purposes are pass-through entities which are not required to pay federal income tax. Rather, partners or members of such entities are allocated their shares of the items of income, gain, loss, deduction and credit of the partnership or limited liability company, and are potentially required to pay tax on this income, without regard to whether they receive a distribution from the partnership or limited liability company. We will include in our income our share of these partnership and limited liability company items for purposes of the various REIT income tests and in the computation of our REIT taxable income. Moreover, for purposes of the REIT asset tests, we will include our pro rata share of assets held by our operating partnership, including its share of its subsidiary partnerships and limited liability companies, based on our capital interests. See Taxation of Our Company.

Entity Classification. Our interests in our operating partnership and the subsidiary partnerships and limited liability companies involve special tax considerations, including the possibility that the IRS might challenge the status of these entities as partnerships (or disregarded entities), as opposed to associations taxable as corporations for federal income tax purposes. If our operating partnership or a subsidiary partnership or limited liability company were treated as an association, it would be taxable as a corporation and would be required to pay an entity-level tax on its income. In this situation, the character of our assets and items of gross

Table of Contents

income would change and could prevent us from satisfying the REIT asset tests and possibly the REIT income tests. See [Taxation of Our Company Asset Tests and Income Tests](#). This, in turn, could prevent us from qualifying as a REIT. See [Failure to Qualify](#) for a discussion of the effect of our failure to meet these tests. In addition, a change in the tax status of our operating partnership, a subsidiary partnership or limited liability company might be treated as a taxable event. If so, we might incur a tax liability without any related cash distributions. We believe our operating partnership and each of our other partnerships and limited liability companies will be classified as partnerships or disregarded entities for federal income tax purposes.

Allocations of Income, Gain, Loss and Deduction. The operating partnership agreement generally provides that items of operating income will be allocated to us to the extent of the accrued preferred return on our preferred units and then to the holders of common units in proportion to the number of common units held by each such unitholder. Items of operating loss will generally be allocated first to the holders of common units in proportion to the number of common units held, and then to us with respect to our preferred units. Certain limited partners have agreed to guarantee debt of our operating partnership, indirectly through an agreement to make capital contributions to our operating partnership under limited circumstances. As a result of these guaranties or contribution agreements, and notwithstanding the foregoing discussion of allocations of income and loss of our operating partnership to holders of units, such limited partners could under limited circumstances be allocated a disproportionate amount of net loss upon a liquidation of our operating partnership, which net loss would have otherwise been allocable to us. In addition, the partnership agreement further provides that holders of long-term incentive units and class C units may be entitled to receive special allocations of gain in the event of a sale or hypothetical sale of assets of our operating partnership prior to the allocation of gain to holders of common units. This special allocation of gain is intended to enable the holders of long-term incentive units and class C units to convert such units into common units.

If an allocation of partnership income or loss does not comply with the requirements of Section 704(b) of the Code and the Treasury Regulations thereunder, the item subject to the allocation will be reallocated in accordance with the partners' interests in the partnership. This reallocation will be determined by taking into account all of the facts and circumstances relating to the economic arrangement of the partners with respect to such item. Our operating partnership's allocations of taxable income and loss are intended to comply with the requirements of Section 704(b) of the Code and the Treasury Regulations thereunder.

Tax Allocations With Respect to the Properties. Under Section 704(c) of the Code, income, gain, loss and deduction attributable to appreciated or depreciated property that is contributed to a partnership in exchange for an interest in the partnership, must be allocated in a manner so that the contributing partner is charged with the unrealized gain or benefits from the unrealized loss associated with the property at the time of the contribution. The amount of the unrealized gain or unrealized loss generally is equal to the difference between the fair market value or book value and the adjusted tax basis of the contributed property at the time of contribution, as adjusted from time to time. These allocations are solely for federal income tax purposes and do not affect the book capital accounts or other economic or legal arrangements among the partners.

Appreciated property was contributed to our operating partnership in exchange for interests in our operating partnership in connection with the formation transactions. The partnership agreement requires that these allocations be made in a manner consistent with Section 704(c) of the Code. Treasury Regulations issued under Section 704(c) of the Code provide partnerships with a choice of several methods of accounting for book-tax differences. We and our operating partnership have agreed to use the traditional method for accounting for book-tax differences for the properties initially contributed to our operating partnership. Under the traditional method, which is the least favorable method from our perspective, the carryover basis of contributed interests in the properties in the hands of our operating partnership (i) will or could cause us to be allocated lower amounts of depreciation deductions for tax purposes than would be allocated to us if all contributed properties were to have a tax basis equal to their fair market value at the time of the contribution and (ii) could cause us to be allocated taxable gain in the event of a sale of such contributed interests or properties in excess of the economic or book income allocated to us as a result of such sale, with a corresponding benefit to the other partners in our operating

Table of Contents

partnership. An allocation described in (ii) above might cause us or the other partners to recognize taxable income in excess of cash proceeds in the event of a sale or other disposition of property, which might adversely affect our ability to comply with the REIT distribution requirements. See Taxation of Our Company Requirements for Qualification as a REIT and Annual Distribution Requirements.

Any property acquired by our operating partnership in a taxable transaction will initially have a tax basis equal to its fair market value, and Section 704(c) of the Code will not apply.

Federal Income Tax Considerations for Holders of Our Capital Stock

The following summary describes the principal United States federal income tax consequences to you of purchasing, owning and disposing of our capital stock. This summary assumes you hold shares of our capital stock as a capital asset (generally, property held for investment within the meaning of Section 1221 of the Code). It does not address all the tax consequences that may be relevant to you in light of your particular circumstances. In addition, this discussion does not address the tax consequences relevant to persons who receive special treatment under the federal income tax law, except where specifically noted. Holders receiving special treatment include, without limitation:

financial institutions, banks and thrifts;

insurance companies;

tax-exempt organizations;

S corporations;

traders in securities that elect to mark to market;

partnerships, pass-through entities and persons holding our stock through a partnership or other pass-through entity;

stockholders subject to the alternative minimum tax;

regulated investment companies and REITs;

foreign corporations or partnerships, and persons who are not residents or citizens of the United States;

broker-dealers or dealers in securities or currencies;

United States expatriates;

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

persons holding our stock as part of a hedge, straddle, conversion, integrated or other risk reduction or constructive sale transaction; or

U.S. stockholders (as defined below) whose functional currency is not the United States dollar.

If you are considering purchasing our capital stock, you should consult your tax advisors concerning the application of United States federal income tax laws to your particular situation as well as any consequences of the purchase, ownership and disposition of our capital stock arising under the laws of any state, local or foreign taxing jurisdiction.

When we use the term U.S. stockholder, we mean a holder of shares of our capital stock who, for United States federal income tax purposes, is:

a citizen or resident of the United States;

a corporation, including an entity treated as a corporation for United States federal income tax purposes, created or organized in or under the laws of the United States or of any state thereof or in the District of Columbia;

Table of Contents

an estate the income of which is subject to United States federal income taxation regardless of its source; or

a trust that (1) is subject to the primary supervision of a United States court and the control of one or more United States persons or (2) has a valid election in effect under applicable Treasury Regulations to be treated as a United States person.

If you hold shares of our capital stock and are not a U.S. stockholder, a partnership or an entity classified as a partnership for United States federal income tax purposes, you are a non-U.S. stockholder.

If a partnership or other entity treated as a partnership for United States federal income tax purposes holds shares of our capital stock, the tax treatment of a partner generally will depend on the status of the partner and on the activities of the partnership. Partners of partnerships holding shares of our capital stock are encouraged to consult their tax advisors.

Taxation of Taxable U.S. Stockholders

Distributions Generally. Distributions out of our current or accumulated earnings and profits will be treated as dividends and, other than with respect to capital gain dividends and certain amounts which have previously been subject to corporate level tax discussed below, will be taxable to our taxable U.S. stockholders as ordinary income when actually or constructively received. See **Tax Rates** below. As long as we qualify as a REIT, these distributions will not be eligible for the dividends-received deduction in the case of U.S. stockholders that are corporations or, except to the extent provided in **Tax Rates** below, the preferential rates on qualified dividend income applicable to individuals. For purposes of determining whether distributions to holders of our stock are out of current or accumulated earnings and profits, our earnings and profits will be allocated first to our outstanding preferred stock and then to our outstanding common stock.

To the extent that we make distributions on our capital stock in excess of our current and accumulated earnings and profits allocable to such stock, these distributions will be treated first as a tax-free return of capital to a U.S. stockholder. This treatment will reduce the U.S. stockholder's adjusted tax basis in such shares of stock by the amount of the distribution, but not below zero. Distributions in excess of our current and accumulated earnings and profits and in excess of a U.S. stockholder's adjusted tax basis in its shares will be taxable as capital gain. Such gain will be taxable as long-term capital gain if the shares have been held for more than one year. Dividends we declare in October, November, or December of any year and which are payable to a stockholder of record on a specified date in any of these months will be treated as both paid by us and received by the stockholder on December 31 of that year, provided we actually pay the dividend on or before January 31 of the following year. U.S. stockholders may not include in their own income tax returns any of our net operating losses or capital losses.

Certain stock dividends, including dividends partially paid in our capital stock and partially paid in cash that comply with Revenue Procedure 2009-15, will be taxable to the recipient U.S. stockholder to the same extent as if paid in cash.

Capital Gain Dividends. Dividends that we properly designate as capital gain dividends will be taxable to our taxable U.S. stockholders as a gain from the sale or disposition of a capital asset held for more than one year, to the extent that such gain does not exceed our actual net capital gain for the taxable year. If we properly designate any portion of a dividend as a capital gain dividend then, except as otherwise required by law, we presently intend to allocate a portion of the total capital gain dividends paid or made available to holders of all classes of our capital stock for the year to the holders of each class of our capital stock in proportion to the amount that our total dividends, as determined for United States federal income tax purposes, paid or made available to the holders of each such class of our capital stock for the year bears to the total dividends, as determined for United States federal income tax purposes, paid or made available to holders of all classes of our capital stock for the year.

Table of Contents

Retention of Net Capital Gains. We may elect to retain, rather than distribute as a capital gain dividend, all or a portion of our net capital gains. If we make this election, we would pay tax on our retained net capital gains. In addition, to the extent we so elect, a U.S. stockholder generally would:

include its pro rata share of our undistributed net capital gains in computing its long-term capital gains in its return for its taxable year in which the last day of our taxable year falls, subject to certain limitations as to the amount that is includable;

be deemed to have paid the capital gains tax imposed on us on the designated amounts included in the U.S. stockholder's long-term capital gains;

receive a credit or refund for the amount of tax deemed paid by it;

increase the adjusted basis of its stock by the difference between the amount of includable gains and the tax deemed to have been paid by it; and

in the case of a U.S. stockholder that is a corporation, appropriately adjust its earnings and profits for the retained capital gains in accordance with Treasury Regulations to be promulgated by the IRS.

Passive Activity Losses and Investment Interest Limitations. Distributions we make and gain arising from the sale or exchange by a U.S. stockholder of our shares will not be treated as passive activity income. As a result, U.S. stockholders generally will not be able to apply any passive losses against this income or gain. A U.S. stockholder may elect to treat capital gain dividends, capital gains from the disposition of our stock and income designated as qualified dividend income, described in Tax Rates below, as investment income for purposes of computing the investment interest limitation, but in such case, the stockholder will be taxed at ordinary income rates on such amount. Other distributions made by the Company, to the extent they do not constitute a return of capital, generally will be treated as investment income for purposes of computing the investment interest limitation.

Dispositions of Our Capital Stock. If a U.S. stockholder sells or disposes of shares of capital stock, except as set forth below under Redemption or Repurchase by Us, it will recognize gain or loss for federal income tax purposes in an amount equal to the difference between the amount of cash and the fair market value of any property received on the sale or other disposition and the holder's adjusted basis in the shares for tax purposes. This gain or loss, except as provided below, will be long-term capital gain or loss if the holder has held such capital stock for more than one year. However, if a U.S. stockholder recognizes loss upon the sale or other disposition of capital stock that it has held for six months or less, after applying certain holding period rules, the loss recognized will be treated as a long-term capital loss to the extent the U.S. stockholder received distributions from us which were required to be treated as long-term capital gains.

Redemption or Repurchase by Us. A redemption or repurchase of shares of our stock will be treated under Section 302 of the Code as a distribution taxable as a dividend to the extent of our current and accumulated earnings and profits at ordinary income rates unless the redemption or repurchase satisfies one of the tests set forth in Section 302(b) of the Code and is therefore treated as a sale or exchange of the redeemed or repurchased shares. The redemption or repurchase will be treated as a sale or exchange if it:

is substantially disproportionate with respect to the U.S. stockholder;

results in a complete termination of the U.S. stockholder's stock interest in us; or

is not essentially equivalent to a dividend with respect to the U.S. stockholder,

all within the meaning of Section 302(b) of the Code.

In determining whether any of these tests have been met, shares of capital stock, including common stock and other equity interests in us, considered to be owned by the U.S. stockholder by reason of certain constructive ownership rules set forth in the Code, as well as shares of our capital stock actually owned by the U.S. stockholder, must generally be taken into account. Because the determination as to whether any of the alternative

Table of Contents

tests of Section 302(b) of the Code will be satisfied with respect to the U.S. stockholder depends upon the facts and circumstances at the time that the determination must be made, U.S. stockholders are advised to consult their tax advisors to determine such tax treatment.

If a redemption or repurchase of shares of our stock is treated as a distribution taxable as a dividend, the amount of the distribution will be measured by the amount of cash and the fair market value of any property received. See *Distributions Generally*. A U.S. stockholder's adjusted basis in the redeemed or repurchased shares of the stock for tax purposes will be transferred to its remaining shares of our capital stock, if any. If a U.S. stockholder owns no other shares of our capital stock, such basis may, under certain circumstances, be transferred to a related person or it may be lost entirely.

If a redemption or repurchase of shares of our stock is not treated as a distribution taxable as a dividend, it will be treated as a taxable sale or exchange in the manner described under *Dispositions of Our Capital Stock*.

Tax Rates. The maximum tax rate for non-corporate taxpayers for (1) capital gains, including certain capital gain dividends, has generally been reduced to 15% (although depending on the characteristics of the assets which produced these gains and on designations which we may make, certain capital gain dividends may be taxed at a 25% rate) and (2) qualified dividend income has generally been reduced to 15%. In general, dividends payable by REITs are not eligible for the reduced tax rate on qualified dividend income, except to the extent that certain holding requirements have been met and the REIT's dividends are attributable to dividends received from taxable corporations (such as its taxable REIT subsidiaries) or to income that was subject to tax at the corporate/REIT level (for example, if it distributed taxable income that it retained and paid tax on in the prior taxable year). The currently applicable provisions of the United States federal income tax laws relating to the 15% tax rate are currently scheduled to sunset or revert to the provisions of prior law effective for taxable years beginning after December 31, 2010, at which time the capital gains tax rate will be increased to 20% and the rate applicable to dividends will be increased to the tax rate then applicable to ordinary income. U.S. stockholders that are corporations may be required to treat up to 20% of some capital gain dividends as ordinary income.

Backup Withholding. We report to our U.S. stockholders and the IRS the amount of dividends paid during each calendar year, and the amount of any tax withheld. Under the backup withholding rules, a stockholder may be subject to backup withholding with respect to dividends paid unless the holder is a corporation or comes within certain other exempt categories and, when required, demonstrates this fact, or provides a taxpayer identification number, certifies as to no loss of exemption from backup withholding, and otherwise complies with applicable requirements of the backup withholding rules. A U.S. stockholder that does not provide us with its correct taxpayer identification number may also be subject to penalties imposed by the IRS. Backup withholding is not an additional tax. Any amount paid as backup withholding will be creditable against the stockholder's federal income tax liability, provided the required information is furnished to the IRS. In addition, we may be required to withhold a portion of capital gain distributions to any stockholders who fail to certify their non-foreign status. See *Taxation of Non-U.S. Stockholders*.

Taxation of Tax-Exempt Stockholders

Dividend income from us and gain arising upon a sale of our shares generally will not be unrelated business taxable income to a tax-exempt stockholder, except as described below. This income or gain will be unrelated business taxable income, however, if a tax-exempt stockholder holds its shares as debt-financed property within the meaning of the Code or if the shares are used in a trade or business of the tax-exempt stockholder. Generally, debt-financed property is property the acquisition or holding of which was financed through a borrowing by the tax-exempt stockholder.

Edgar Filing: Digital Realty Trust, Inc. - Form 424B5

For tax-exempt stockholders which are social clubs, voluntary employee benefit associations, supplemental unemployment benefit trusts, or qualified group legal services plans exempt from federal income taxation under Sections 501(c)(7), (c)(9), (c)(17) or (c)(20) of the Code, respectively, income from an investment in our shares

Table of Contents

will constitute unrelated business taxable income unless the organization is able to properly claim a deduction for amounts set aside or placed in reserve for specific purposes so as to offset the income generated by its investment in our shares. These prospective investors should consult their tax advisors concerning these set aside and reserve requirements.

Notwithstanding the above, however, a portion of the dividends paid by a pension-held REIT may be treated as unrelated business taxable income as to certain trusts that hold more than 10%, by value, of the interests in the REIT. A REIT will not be a pension-held REIT if it is able to satisfy the not closely held requirement without relying on the look-through exception with respect to certain trusts or if such REIT is not predominantly held by qualified trusts. As a result of limitations on the transfer and ownership of stock contained in our charter, we do not expect to be classified as a pension-held REIT, and as a result, the tax treatment described in this paragraph should be inapplicable to our stockholders. However, because our stock will be publicly traded, we cannot guarantee that this will always be the case.

Taxation of Non-U.S. Stockholders

The following discussion addresses the rules governing United States federal income taxation of the purchase, ownership and disposition of our capital stock by non-U.S. stockholders. These rules are complex, and no attempt is made herein to provide more than a brief summary of such rules. Accordingly, the discussion does not address all aspects of United States federal income taxation and does not address state, local or foreign tax consequences that may be relevant to a non-U.S. stockholder in light of its particular circumstances. We urge non-U.S. stockholders to consult their tax advisors to determine the impact of federal, state, local and foreign income tax laws on the purchase, ownership, and disposition of shares of our capital stock, including any reporting requirements.

Distributions Generally. Distributions (including any taxable stock dividends) that are neither attributable to gain from sales or exchanges by us of United States real property interests nor designated by us as capital gain dividends (except as described below) will be treated as dividends of ordinary income to the extent that they are made out of our current or accumulated earnings and profits. Such distributions ordinarily will be subject to withholding of United States federal income tax at a 30% rate or such lower rate as may be specified by an applicable income tax treaty, unless the distributions are treated as effectively connected with the conduct by the non-U.S. stockholder of a United States trade or business. Under certain treaties, however, lower withholding rates generally applicable to dividends do not apply to dividends from a REIT. Certain certification and disclosure requirements must be satisfied to be exempt from withholding under the effectively connected income exemption. Dividends that are treated as effectively connected with such a trade or business will be subject to tax on a net basis at graduated rates, in the same manner as dividends paid to U.S. stockholders are subject to tax, and are generally not subject to withholding. Any such dividends received by a non-U.S. stockholder that is a corporation may also be subject to an additional branch profits tax at a 30% rate (applicable after deducting federal income taxes paid on such effectively connected income) or such lower rate as may be specified by an applicable income tax treaty.

Except as otherwise provided below, we expect to withhold United States income tax at the rate of 30% on any distributions made to a non-U.S. stockholder unless:

(1) a lower treaty rate applies and the non-U.S. stockholder files with us an IRS Form W-8BEN evidencing eligibility for that reduced treaty rate; or

(2) the non-U.S. stockholder files an IRS Form W-8ECI with us claiming that the distribution is income effectively connected with the non-U.S. stockholder's trade or business.

Distributions in excess of our current and accumulated earnings and profits will not be taxable to a non-U.S. stockholder to the extent that such distributions do not exceed the adjusted basis of the stockholder's capital stock, but rather will reduce the adjusted basis of such stock. To the extent that such distributions exceed the

Table of Contents

non-U.S. stockholder's adjusted basis in such capital stock, they will give rise to gain from the sale or exchange of such stock, the tax treatment of which is described below. For withholding purposes, we expect to treat all distributions as made out of our current or accumulated earnings and profits. However, amounts withheld should generally be refundable if it is subsequently determined that the distribution was, in fact, in excess of our current and accumulated earnings and profits.

Capital Gain Dividends and Distributions Attributable to a Sale or Exchange of United States Real Property Interests. Distributions to a non-U.S. stockholder that we properly designate as capital gain dividends, other than those arising from the disposition of a United States real property interest, generally should not be subject to United States federal income taxation, unless:

(1) the investment in our stock is treated as effectively connected with the non-U.S. stockholder's United States trade or business, in which case the non-U.S. stockholder will be subject to the same treatment as U.S. stockholders with respect to such gain, except that a non-U.S. stockholder that is a foreign corporation may also be subject to the 30% branch profits tax, as discussed above; or

(2) the non-U.S. stockholder is a nonresident alien individual who is present in the United States for 183 days or more during the taxable year and certain other conditions are met, in which case the nonresident alien individual will be subject to a 30% tax on the individual's capital gains.

Pursuant to the Foreign Investment in Real Property Tax Act, which is referred to as FIRPTA, distributions to a non-U.S. stockholder that are attributable to gain from sales or exchanges by us of United States real property interests, whether or not designated as capital gain dividends, will cause the non-U.S. stockholder to be treated as recognizing such gain as income effectively connected with a United States trade or business. Non-U.S. stockholders would generally be taxed at the same rates applicable to U.S. stockholders, subject to any applicable alternative minimum tax. We also will be required to withhold and to remit to the IRS 35% (or 15% to the extent provided in Treasury Regulations) of any distribution to non-U.S. stockholders that is designated as a capital gain dividend or, if greater, 35% of any distribution to non-U.S. stockholders that could have been designated as a capital gain dividend. The amount withheld is creditable against the non-U.S. stockholder's United States federal income tax liability. However, any distribution with respect to any class of stock which is regularly traded on an established securities market located in the United States is not subject to FIRPTA, and therefore, not subject to the 35% U.S. withholding tax described above, if the non-U.S. stockholder did not own more than 5% of such class of stock at any time during the one-year period ending on the date of the distribution. Instead, such distributions will be treated as ordinary dividend distributions and subject to withholding in the manner described above with respect to ordinary dividends.

Retention of Net Capital Gains. Although the law is not clear on the matter, it appears that amounts designated by us as retained capital gains in respect of the stock held by U.S. stockholders generally should be treated with respect to non-U.S. stockholders in the same manner as actual distributions of capital gain dividends. Under that approach, the non-U.S. stockholders would be able to offset as a credit against their United States federal income tax liability resulting from their proportionate share of the tax paid by us on such retained capital gains and to receive from the IRS a refund to the extent their proportionate share of such tax paid by us exceeds their actual United States federal income tax liability.

Sale of Our Capital Stock. Gain recognized by a non-U.S. stockholder upon the sale, exchange or other taxable disposition of our capital stock generally will not be subject to United States taxation unless such stock constitutes a United States real property interest, or USRPI, within the meaning of FIRPTA. Our capital stock will not constitute a USRPI so long as we are a domestically controlled qualified investment entity. A domestically controlled qualified investment entity includes a REIT in which at all times during a specified testing period less than 50% in value of its stock is held directly or indirectly by non-U.S. stockholders. We believe, but cannot guarantee, that we have been a domestically controlled qualified investment entity. In addition, because most of our capital stock is publicly traded, no assurance can be given that we will continue to be a domestically controlled qualified investment entity.

Table of Contents

Notwithstanding the foregoing, gain from the sale, exchange or other taxable disposition of our capital stock not otherwise subject to FIRPTA will be taxable to a non-U.S. stockholder if either (a) the investment in our capital stock is treated as effectively connected with the non-U.S. stockholder's United States trade or business or (b) the non-U.S. stockholder is a nonresident alien individual who is present in the United States for 183 days or more during the taxable year and certain other conditions are met. In addition, even if we are a domestically controlled qualified investment entity, upon disposition of our stock (subject to the 5% exception applicable to regularly traded stock described above), a non-U.S. stockholder may be treated as having gain from the sale or other taxable disposition of a United States real property interest if the non-U.S. stockholder (1) disposes of our stock within a 30-day period preceding the ex-dividend date of a distribution, any portion of which, but for the disposition, would have been treated as gain from the sale or exchange of a United States real property interest and (2) acquires, or enters into a contract or option to acquire, or is deemed to acquire, other shares of that stock during the 61-day period beginning with the first day of the 30-day period described in clause (1).

Even if we do not qualify as a domestically controlled qualified investment entity at the time a non-U.S. stockholder sells our stock, gain arising from the sale or other taxable disposition by a non-U.S. stockholder of such stock would not be subject to United States taxation under FIRPTA as a sale of a USRPI if:

(1) such class of stock is regularly traded, as defined by applicable Treasury Regulations, on an established securities market such as the NYSE; and

(2) such non-U.S. stockholder owned, actually and constructively, 5% or less of such class of our stock throughout the five-year period ending on the date of the sale or exchange.

If gain on the sale, exchange or other taxable disposition of our capital stock were subject to taxation under FIRPTA, the non-U.S. stockholder would be subject to regular United States federal income tax with respect to such gain in the same manner as a taxable U.S. stockholder (subject to any applicable alternative minimum tax and a special alternative minimum tax in the case of nonresident alien individuals). In addition, if the sale, exchange or other taxable disposition of our capital stock were subject to taxation under FIRPTA, and if shares of the applicable class of our capital stock were not regularly traded on an established securities market, the purchaser of such capital stock would be required to withhold and remit to the IRS 10% of the purchase price.

Information Reporting and Backup Withholding Tax. Generally, we must report annually to the IRS the amount of dividends paid to a non-U.S. stockholder, such holder's name and address, and the amount of tax withheld, if any. A similar report is sent to the non-U.S. stockholder. Pursuant to tax treaties or other agreements, the IRS may make its reports available to tax authorities in the non-U.S. stockholder's country of residence.

Payments of dividends or of proceeds from the disposition of stock made to a non-U.S. stockholder may be subject to information reporting and backup withholding unless such holder establishes an exemption, for example, by properly certifying its non-United States status on an IRS Form W-8BEN or another appropriate version of IRS Form W-8. Notwithstanding the foregoing, backup withholding and information reporting may apply if either we have or our paying agent has actual knowledge, or reason to know, that a non-U.S. stockholder is a United States person.

Backup withholding is not an additional tax. Rather, the United States income tax liability of persons subject to backup withholding will be reduced by the amount of tax withheld. If withholding results in an overpayment of taxes, a refund or credit may be obtained, provided that the required information is furnished to the IRS.

Other Tax Consequences

State, local and foreign income tax laws may differ substantially from the corresponding federal income tax laws, and this discussion does not purport to describe any aspect of the tax laws of any state, local or foreign jurisdiction. You should consult your tax advisor regarding the effect of state, local and foreign tax laws with respect to our tax treatment as a REIT and on an investment in our capital stock.

Table of Contents

SELLING SECURITYHOLDERS

If the registration statement of which this prospectus forms a part is used by selling securityholders for the resale of any securities registered thereunder pursuant to a registration rights agreement to be entered into by us with such selling securityholders or otherwise, information about such selling securityholders, their beneficial ownership of our securities and their relationship with us will be set forth in a prospectus supplement, in a post-effective amendment, or in filings we make with the SEC under the Exchange Act that are incorporated by reference to such registration statement.

PLAN OF DISTRIBUTION

We, or selling securityholders, may sell the securities domestically or abroad to one or more underwriters for public offering and sale by them or may sell the securities to investors directly or through dealers or agents, or through a combination of methods. Any underwriter, dealer or agent involved in the offer and sale of the securities will be named in the applicable prospectus supplement.

Underwriters may offer and sell the securities at: (i) a fixed price or prices, which may be changed, (ii) market prices prevailing at the time of sale, (iii) prices related to the prevailing market prices at the time of sale or (iv) negotiated prices. We also may, from time to time, authorize underwriters acting as our agents to offer and sell the securities upon the terms and conditions as are set forth in the applicable prospectus supplement. In connection with the sale of securities, underwriters may be deemed to have received compensation from us in the form of underwriting discounts or commissions and may also receive commissions from purchasers of securities for whom they may act as agent. Underwriters may sell securities to or through dealers, and the dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters and/or commissions from the purchasers for whom they may act as agent.

Any underwriting compensation paid by us to underwriters, dealers or agents in connection with the offering of securities, and any discounts, concessions or commissions allowed by underwriters to participating dealers, will be set forth in the applicable prospectus supplement. Dealers and agents participating in the distribution of the securities may be deemed to be underwriters, and any discounts and commissions received by them and any profit realized by them on resale of the securities may be deemed to be underwriting discounts and commissions under the Securities Act. Underwriters, dealers and agents may be entitled, under agreements entered into with us and our operating partnership, to indemnification against and contribution toward civil liabilities, including liabilities under the Securities Act. We will describe any indemnification agreement in the applicable prospectus supplement.

Unless we specify otherwise in the applicable prospectus supplement, any series of securities issued hereunder will be a new issue with no established trading market (other than our common stock, which is listed on the NYSE). If we sell any shares of our common stock pursuant to a prospectus supplement, such shares will be listed on the NYSE, subject to official notice of issuance. We may elect to list any other securities issued hereunder on any exchange, but we are not obligated to do so. Any underwriters or agents to or through whom such securities are sold by us or our operating partnership for public offering and sale may make a market in such securities, but such underwriters or agents will not be obligated to do so and may discontinue any market making at any time without notice. We cannot assure you as to the liquidity of the trading market for any such securities.

If indicated in the applicable prospectus supplement, we may authorize underwriters or other persons acting as our agents to solicit offers by institutions or other suitable purchasers to purchase the securities from us at the public offering price set forth in the prospectus supplement, pursuant to delayed delivery contracts providing for payment and delivery on the date or dates stated in the prospectus supplement. These purchasers may include, among others, commercial and savings banks, insurance companies, pension funds, investment companies and

educational and charitable institutions. Delayed delivery contracts will be subject to the condition that the

Table of Contents

purchase of the securities covered by the delayed delivery contracts will not at the time of delivery be prohibited under the laws of any jurisdiction in the United States to which the purchaser is subject. The underwriters and agents will not have any responsibility with respect to the validity or performance of these contracts.

To facilitate the offering of the securities, certain persons participating in the offering may engage in transactions that stabilize, maintain, or otherwise affect the price of the securities. This may include over-allotments or short sales of the securities, which involves the sale by persons participating in the offering of more securities than we sold to them. In these circumstances, these persons would cover the over-allotments or short positions by making purchases in the open market or by exercising their over-allotment option. In addition, these persons may stabilize or maintain the price of the securities by bidding for or purchasing securities in the open market or by imposing penalty bids, whereby selling concessions allowed to dealers participating in the offering may be reclaimed if securities sold by them are repurchased in connection with stabilization transactions. The effect of these transactions may be to stabilize or maintain the market price of the securities at a level above that which might otherwise prevail in the open market. These transactions may be discontinued at any time.

The underwriters, dealers and agents and their affiliates may be customers of, engage in transactions with and perform services for us and our operating partnership in the ordinary course of business.

Table of Contents

LEGAL MATTERS

Venable LLP, Baltimore, Maryland, has issued an opinion to us regarding certain matters of Maryland law, including the validity of the securities covered by this prospectus. Latham & Watkins LLP, Los Angeles, California, has issued an opinion to us regarding certain tax matters described under United States Federal Income Tax Considerations.

EXPERTS

The consolidated balance sheets of Digital Realty Trust, Inc. and subsidiaries as of December 31, 2008 and 2007, and the consolidated statements of operations, and stockholders' equity and comprehensive income (loss), and cash flows of Digital Realty Trust, Inc. and subsidiaries for each of the years in the three-year period ended December 31, 2008, and related financial statement schedule and management's report on internal control over financial reporting as of December 31, 2008 have all been incorporated by reference in this prospectus and in the registration statement in reliance upon the report of KPMG LLP, independent registered public accounting firm and upon the authority of said firm as experts in accounting and auditing.

Table of Contents

4,250,000 Shares

Common Stock

PRELIMINARY PROSPECTUS SUPPLEMENT

, 2010

Credit Suisse

Citi

BofA Merrill Lynch