UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): October 16, 2007

DIGITAL REALTY TRUST, INC.

(Exact name of registrant as specified in its charter)

Maryland (State or other jurisdiction

of incorporation)

560 Mission Street, Suite 2900

San Francisco, California (Address of principal executive offices) 001-32336 (Commission File Number) 26-0081711 (I.R.S. Employer

Identification Number)

94105 (Zip Code)

(415) 738-6500

(Registrant s telephone number, including area code)

Check the appropriate box below if the Form 8-K is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

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- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

On October 16, 2007, Digital Realty Trust, Inc. (the Company) and Digital Realty Trust, L.P. entered into an underwriting agreement (the Underwriting Agreement) with Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Incorporated and Credit Suisse Securities (USA) LLC, as representatives of the underwriters named therein (the Underwriters), in connection with the offer and sale by the Company of 3,500,000 shares of the Company s Common Stock, par value \$0.01 per share (the Shares), and the granting of an over-allotment option for an additional 525,000 shares of Common Stock to the Underwriters. The Shares are being offered and sold under a prospectus supplement and related prospectus filed with the Securities and Exchange Commission pursuant to the Company s shelf registration statement on Form S-3 (File No. 333-132980). The offering, including the sale of the over-allotment option shares, is scheduled to close on October 22, 2007, subject to specified closing conditions. A copy of the underwriting agreement is attached as Exhibit 1.1 to this Current Report on Form 8-K and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit Number Description

1.1

Underwriting Agreement, dated October 16, 2007, among Digital Realty Trust, Inc., Digital Realty Trust, L.P., Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Incorporated and Credit Suisse Securities (USA) LLC.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Digital Realty Trust, Inc.

By: /s/ Joshua A. Mills Joshua A. Mills General Counsel and Assistant Secretary

Date: October 22, 2007

EXHIBITS

Exhibit Number

1.1

Description
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