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): May 30, 2006

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 7.01 Regulation FD Disclosure

The information furnished in this Item 7.01 of this Current Report on Form 8-K, including the exhibit attached hereto, shall not be deemed filed for any purpose, including for the purposes of Section 18 of the Exchange Act, or otherwise subject to the liabilities of that Section. The information in this Item 7.01 of this Current Report on Form 8-K, including the exhibit attached hereto, shall not be deemed incorporated by reference into any filing under the Securities Act or the Exchange Act regardless of any general incorporation language in such filing.

On May 31, 2006, management will make a presentation at the 34th Annual Cowen and Company Technology Conference. A copy of the materials to be presented. Stein at the estate conference is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

- (d) Exhibits
- Exhibit No.Description99.1Materials to be presented on May 31, 2006 at the 34th Annual Cowen and Company Technology Conference.

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: May 30, 2006

Exhibit Index

Exhibit No. Description

99.1

Materials to be presented on May 31, 2006 at the 34th Annual Cowen and Company Technology Conference