

Digital Realty Trust, Inc.
Form 4
September 15, 2006

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Peterson Scott E

(Last) (First) (Middle)

DIGITAL REALTY TRUST,
INC., 560 MISSION STREET,
SUITE 2900

(Street)

SAN FRANCISCO, CA 94105

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Digital Realty Trust, Inc. [DLR]

3. Date of Earliest Transaction
(Month/Day/Year)
09/14/2006

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
X Officer (give title below) ___ Other (specify below)
Senior VP, Acquisitions

6. Individual or Joint/Group Filing(Check Applicable Line)
X Form filed by One Reporting Person
___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | | (A) or (D) | Price | | |
| | | | | Code V | Amount | | |
| Common Stock | 09/14/2006 | | M | 20,203 | A \$ 12 | 20,203 | D |
| Common Stock | 09/14/2006 | | S | 203 | D \$ 30.43 | 20,000 | D |
| Common Stock | 09/14/2006 | | S | 20,000 | D \$ 30.42 | 0 | D |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| Employee Stock Option (right to buy) | \$ 12 | 09/14/2006 | | M | 20,203 | ⁽¹⁾ 10/28/2014 | Common Stock | 20,203 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Peterson Scott E DIGITAL REALTY TRUST, INC. 560 MISSION STREET, SUITE 2900 SAN FRANCISCO, CA 94105 | | | Senior VP, Acquisitions | |

Signatures

A. William Stein, Attorney-In-Fact for Scott E. Peterson
Date: 09/15/2006

**Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) Option to purchase 80,815 shares of common stock of the Issuer was granted on October 28, 2004, and shares subject to the option have vested and continue to vest in equal annual installments of 25% on each of the first four anniversaries from the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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