

Peterson Scott E
 Form 4
 May 12, 2010

FORM 4

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

OMB APPROVAL

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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

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 560 MISSION STREET, SUITE 2900
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 05/10/2010

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

SAN FRANCISCO, CA 94105

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

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

(City) (State) (Zip)

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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	05/10/2010		M ⁽¹⁾		13,144	A	D
Common Stock	05/10/2010		S		\$ 13,144	D	D
Common Stock	05/10/2010		M		\$ 99	D	D
Common Stock	05/10/2010		S		\$ 60	D	D
Common Stock	05/11/2010		M ⁽⁷⁾		2,139	A	D

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Common Stock	05/11/2010	S	2,139	D	\$ 60	0	D
Common Stock	05/11/2010	M ⁽⁸⁾	7,669	A	0	7,699	D
Common Stock	05/11/2010	S	7,669	D	\$ 60	0	D

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

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(9-02)

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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Share
Class C Profits Interest Units ⁽²⁾	⁽⁴⁾	05/10/2010		M ⁽¹⁾	13,144	⁽²⁾ ⁽⁵⁾	Common Stock 13,144
Employee Stock Option (right to buy)	\$ 41.73	05/10/2010		M	99	⁽⁶⁾ 05/02/2017	Common Stock 99
Class C Profits Interest Units ⁽²⁾	⁽⁴⁾	05/11/2010		M ⁽⁷⁾	2,139	⁽²⁾ ⁽⁵⁾	Common Stock 2,139
Long-Term Incentive Units ⁽⁹⁾	⁽⁴⁾	05/11/2010		M ⁽⁸⁾	7,669	⁽⁹⁾ ⁽⁵⁾	Common Stock 7,669

Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners

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Director 10% Owner Officer Other

Peterson Scott E
560 MISSION STREET, SUITE 2900
SAN FRANCISCO, CA 94105

Senior VP, Acquisitions

Signatures

/s/ Barbara Polster,
attorney-in-fact

05/12/2010

**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) Scott Peterson converted 13,144 Class C Profits Interest Units ("Class C Units") into common limited partnership units ("Common Units") of Digital Realty Trust, L.P., a Maryland Limited Partnership (the "Operating Partnership"), and subsequently redeemed the 13,144 Common Units for 13,144 shares of the common stock of Digital Realty Trust, Inc. (the "Issuer"), all in accordance with the requirements of the Limited Partnership Agreement of the Operating Partnership.

(2) Class C Units are membership interests in the Operating Partnership of which the Issuer is the general partner. Class C Units that have satisfied the performance condition and achieved full parity with Common Units receive the same quarterly distributions as Common Units, and may be converted into an equal number of Common Units on a one-for-one basis at any time. Common Units will be redeemable for cash based on the fair market value of an equivalent number of shares of the Issuer's common stock, or, at the election of the Issuer, for an equal number of shares of the Issuer's common stock. The Class C Units have achieved full parity with Common Units.

(3) Represents the average sale price. Exact sale prices range from \$59.50 to \$60.00.

(4) 1 for 1.

(5) N/A

(6) The option vested as to 20% on 05/02/2008 and thereafter vests 1-2/3% monthly.

(7) Scott Peterson converted 2,139 Class C Units into Common Units of the Operating Partnership and subsequently redeemed the 2,139 Common Units for 2,139 shares of the common stock of the Issuer, all in accordance with the requirements of the Limited Partnership Agreement of the Operating Partnership.

(8) Scott Peterson converted 7,669 long-term incentive units into Common Units of the Operating Partnership, and subsequently redeemed the 7,669 Common Units for 7,669 shares of the common stock of the Issuer, all in accordance with the requirements of the Limited Partnership Agreement of the Operating Partnership.

(9) Long-term incentive units are profits interest units in the Operating Partnership. Vested profits interest units may be converted into an equal number of Common Units in the Operating Partnership on a one-for-one basis at any time. Common Units are redeemable for cash based on the fair market value of an equivalent number of shares of the Issuer's common stock, or, at the election of the Issuer, for an equal number of shares of the Issuer's common stock, subject to adjustment in the event of stock splits, stock dividends, issuance of stock rights, specified extraordinary distributions or similar events.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.