

Peterson Scott E
 Form 4
 January 30, 2009

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

(Last) (First) (Middle)
 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)
 01/28/2009

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	01/28/2009		M ⁽¹⁾		43,290	A	②
Common Stock	01/28/2009		S ⁽³⁾		43,290	D	\$ 34.50

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

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SEC 1474 (9-02)

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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)	8. Pr...	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Class C Profits Interest Units ⁽¹⁾ ₍₂₎	<u>(5)</u>	01/28/2009		M ⁽¹⁾	43,290	<u>(2)</u>	<u>(6)</u>	Common Stock	43,290

Reporting Owners

Reporting Owner Name / Address	Relationships			
	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

01/30/2009

**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).
- In accordance with the terms of a Trading Plan (SEC Rule 10b5-1 - Securities Exchange Act of 1934), Scott Peterson converted 43,290 Class C Profits Interest 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 43,290 Common Units for 43,290 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.
- (1) 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.
 - (2) Common Stock sold in accordance with the terms of a Trading Plan (SEC Rule 10b5-1 - Securities Exchange Act of 1934).
 - (3) Represents the average sale price. Exact sale prices range from \$34.00 to \$35.00.
 - (4) 1 for 1.

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(6) N/A

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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