

Peterson Scott E
 Form 4
 February 16, 2012

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

3. Date of Earliest Transaction (Month/Day/Year)
 02/14/2012

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Chief Acquisitions Officer

(Street)
 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 Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

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	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Long-Term Incentive Units <u>(1)</u>	<u>(2)</u>	02/14/2012			A		7,181		<u>(3)</u>	<u>(4)</u>	Common Stock	7,181
Long-Term Incentive Units <u>(1)</u> <u>(5)</u>	<u>(2)</u>	02/14/2012			A		11,298		<u>(5)</u>	<u>(4)</u>	Common Stock	11,298

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Peterson Scott E 560 MISSION STREET, SUITE 2900 SAN FRANCISCO, CA 94105			Chief Acquisitions Officer	

Signatures

/s/ Barbara Polster,
attorney-in-fact

02/16/2012

 **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) Twenty percent (20%) of these units will vest on February 27, 2013, an additional 20% will vest on February 27, 2014, an additional 30% will vest on February 27, 2015 and the remaining 30% will vest on February 27, 2016.
- (2) 1 for 1.
- (3) Reflects long-term incentive units initially granted on February 10, 2011 that were subject to a performance-based vesting condition, which performance-based vesting condition was satisfied in full on February 14, 2012. These long-term incentive units are also subject to time-based vesting, pursuant to which 20% of the units will vest on February 27, 2012, 20% will vest on February 27, 2013, 30% will vest on February 27, 2014 and 30% will vest on February 27, 2015.
- (4) N/A
- (5) Reflects long-term incentive units initially granted on February 23, 2010 that were subject to a performance-based vesting condition, which performance-based vesting condition was satisfied in full on February 10, 2011. These long-term incentive units are also subject to time-based vesting, pursuant to which 20% of the units will vest on February 23, 2011, 20% will vest on February 23, 2012, 30% will vest on February 23, 2013 and 30% will vest on February 23, 2014.

Remarks:

This statement of changes in beneficial ownership ("Form 4") of securities of the Issuer is being filed to report a transaction(s)
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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