

Potter Frederick S.
Form 3
February 14, 2011

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Potter Frederick S. | | (Month/Day/Year) | Digital Realty Trust, Inc. [DLR] | |
| (Last) | (First) | (Middle) | 02/10/2011 | |
| LEVEL 9, 71 FENCHURCH STREET | | | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | | (Check all applicable) | |
| LONDON,Â X0Â EC3M 4BS | | | <input type="checkbox"/> Director | <input type="checkbox"/> 10% Owner |
| (City) | | | <input checked="" type="checkbox"/> Officer | <input type="checkbox"/> Other |
| (State) | | | (give title below) | (specify below) |
| (Zip) | | | Managing Dir - Euro Finance | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| | | | | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| | | | | <input type="checkbox"/> Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|------------------------------------|--|---|--|
| Common Stock | 4,978 | D | Â |

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

SEC 1473 (7-02)

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

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|--|--|---|--|
|---|---|--|--|---|--|

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| | Date Exercisable | Expiration Date | | Amount or Number of Shares | | or Indirect (I) (Instr. 5) |
|--------------------------------------|------------------|-----------------|--------------|----------------------------|--|----------------------------|
| Employee Stock Option (right to buy) | Â (1) | 05/02/2017 | Common Stock | 3,334 \$ 41.73 | | D Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------------------------------|
| | Director | 10% Owner | Officer | Other |
| Potter Frederick S. LEVEL 9, 71 FENCHURCH STREET LONDON,Â X0Â EC3M 4BS | Â | Â | Â | Managing Dir - Euro Finance Â |

Signatures

/s/ Barbara Polster,
attorney-in-fact

02/14/2011

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) The option was granted on May 2, 2007, pursuant to which twenty percent (20%) of the shares became fully vested and exercisable on May 2, 2008 and 1/60th of the shares vested and continue to vest on each monthly anniversary thereafter, so that all of the shares will be fully vested as of May 2, 2012. The reported shares represent a net figure after exercises, of which 833 shares are fully vested and exercisable and the remaining shares continue to vest as outlined above.

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.