

Trout James
Form 4
August 31, 2006

FORM 4

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

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Trout James

(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)

08/29/2006

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)

Sr. VP, Portfolio & Tech Ops

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)
			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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information contained in this form are not
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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	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)	8. Price of Underlying Securities
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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)							(Instr. 9)
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Class C Profits Interest Units	<u>(1)</u>	08/29/2006	A		16,667		<u>(1)</u>	<u>(1)</u>	Common Stock	16,667	\$

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Trout James 560 MISSION STREET, SUITE 2900 SAN FRANCISCO, CA 94105			Sr. VP, Portfolio & Tech Ops	

Signatures

/s/Barbara Polster,
attorney-in-fact

08/31/2006

**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).

Class C profits interest units ("Class C Units") are membership interests in Digital Realty Trust, L.P., a Maryland limited partnership of which the issuer is the general partner. A number of Class C Units, up to 60%, will vest on September 30, 2008, and thereafter a number of Class C Units, up to a maximum of 1-2/3% will vest monthly, except that up to 100% of the Class C Units will vest upon a change in control of the issuer, provided in each case that (i) the cumulative return to the issuer's common stockholders as measured from October 1, 2005 meets certain targets and (ii) the reporting person remains employed by the issuer for a certain period. Partial vesting is possible based on the cumulative return to the Issuer's common stockholders, the period of time the reporting person remains employed by the issuer and the issuer's stock price for the 5 consecutive trading days ending on the measurement date.

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.