

Sharp Christopher
Form 3
August 18, 2017

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 Sharp Christopher		(Month/Day/Year)	Digital Realty Trust, Inc. [DLR]	
(Last)	(First)	(Middle)	08/11/2017	
FOUR EMBARCADERO CENTER,Â SUITE 3200			4. Relationship of Reporting Person(s) to Issuer	
(Street)			(Check all applicable)	
SAN FRANCISCO,Â CAÂ 94111			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Chief Technology Officer	
(City)	(State)	(Zip)	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)
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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) or Indirect (I)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable Expiration Date	Title Amount or Number of Shares			

(Instr. 5)

Long-Term Incentive Units <u>(1)</u>	Â <u>(2)</u>	Â <u>(2)</u>	Common Stock	38,604	\$ <u>(1)</u>	D	Â
Long-Term Incentive Units <u>(1)</u>	Â <u>(3)</u>	Â <u>(3)</u>	Common Stock	764	\$ <u>(1)</u>	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Sharp Christopher FOUR EMBARCADERO CENTER SUITE 3200 SAN FRANCISCO, CA 94111	Â	Â	Â Chief Technology Officer	Â

Signatures

/s/ Salini Nandipati as attorney-in-fact 08/18/2017

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) Long-Term Incentive Units are profits interest units in Digital Realty Trust, L.P. ("Operating Partnership"), of which the Issuer is the general partner. Profits interest units may initially not have full parity with common limited partnership units of Operating Partnership ("Common Units") with respect to liquidating distributions; however upon the occurrence of specified events, profits interest units may achieve full parity with Common Units for all purposes. Vested profits interest units that have achieved full parity with Common Units may be converted into an equal number of Common Units on a 1-for-1 basis at any time. Common Units are redeemable for cash based on the FMV of an equivalent number of shares of common stock of the Issuer, 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.

(2) These units were granted on August 10, 2015. Thirty-three and one third percent (33.33%) of these units vested on August 10, 2016, an additional thirty-three and one third percent (33.33%) of these units vested on August 10, 2017, and the remaining thirty-three and one third percent (33.33%) will vest on August 10, 2018. The vested profits interest units have no expiration date.

(3) These units were granted on February 28, 2017. Twenty-five percent (25%) of these units will vest on February 27, 2018, an additional twenty-five percent (25%) will vest on February 27, 2019, an additional twenty-five percent (25%) will vest on February 27, 2020, and the remaining twenty-five percent (25%) will vest on February 27, 2021. The vested profits interest units have no expiration date.

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Remarks:

This initial statement of beneficial ownership of securities ("Form 3") of the Issuer is filed to report

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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