

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Initial Filing)\*

Equinix Inc.

-----  
(Name of Issuer)

Common Stock

-----  
(Title of Class of Securities)

29444U700

-----  
(CUSIP Number)

Date of Event which Requires Filing of this Statement

December 31, 2015  
-----

Check the appropriate box to designate the rule pursuant to which the Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in prior coverage.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

SEC 1745 (12-02)

Schedule 13G (continued)

CUSIP No. 29444U700

-----  
1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Cohen & Steers, Inc. 14-1904657  
-----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)   
(b)

-----  
3 SEC USE ONLY

-----  
4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware  
-----

NUMBER OF 5 SOLE VOTING POWER  
SHARES 2,029,496

BENEFICIALLY 6 SHARED VOTING POWER  
OWNED BY EACH 0

REPORTING 7 SOLE DISPOSITIVE POWER  
PERSON WITH 3,698,563

-----  
8 SHARED DISPOSITIVE POWER  
0

-----  
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,698,563  
-----

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

[ ]  
-----

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.18%  
-----

12 TYPE OF REPORTING PERSON\*

HC, CO  
-----

\*SEE INSTRUCTIONS BEFORE FILLING OUT

Schedule 13G (continued)

CUSIP No. 29444U700  
-----

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Cohen & Steers Capital Management, Inc. 13-3353336  
-----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) [ ]

(b) [x]  
-----

3 SEC USE ONLY  
-----

4 CITIZENSHIP OR PLACE OF ORGANIZATION

New York  
-----

NUMBER OF 5 SOLE VOTING POWER  
SHARES 2,029,496  
-----

BENEFICIALLY OWNED BY 6 SHARED VOTING POWER  
EACH 0  
-----

REPORTING PERSON 7 SOLE DISPOSITIVE POWER  
WITH 3,690,366  
-----

8 SHARED DISPOSITIVE POWER  
0  
-----

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,690,366  
-----

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

[ ]  
-----

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.16%  
-----

12 TYPE OF REPORTING PERSON\*

IA, CO  
-----

\*SEE INSTRUCTIONS BEFORE FILLING OUT

Schedule 13G (continued)

CUSIP No. 29444U700  
-----

1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (entities only)

Cohen & Steers UK Limited  
-----

2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) [ ]

-----  
3) SEC USE ONLY  
-----

-----  
4) CITIZENSHIP OR PLACE OF ORGANIZATION  
-----

United Kingdom  
-----

NUMBER 5) SOLE VOTING POWER  
OF 0  
-----

SHARES  
BENEFICIALLY 6) SHARED VOTING POWER  
OWNED BY 0  
-----

EACH  
REPORTING 7) SOLE DISPOSITIVE POWER  
PERSON 8,197  
-----

WITH  
8) SHARED DISPOSITIVE POWER  
0  
-----

-----  
9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
-----

8,197  
-----

-----  
10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----

-----  
11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  
-----

0.01%  
-----

-----  
12) TYPE OF REPORTING PERSON  
-----

IA, CO  
-----

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

Schedule 13G (continued)

Item 1.

(a) Name of Issuer:  
Equinix Inc.

(b) Address of Issuer's Principal Executive Offices:  
One Lagoon Drive, 4th floor  
Redwood City, CA 94065

Item 2.

(a) Name of Persons Filing:  
Cohen & Steers, Inc.  
Cohen & Steers Capital Management, Inc.  
Cohen & Steers UK Ltd  
(b) Address of Principal Business Office for Cohen & Steers, Inc.  
and Cohen & Steers Capital Management, Inc. is:  
280 Park Avenue  
10th Floor  
New York, NY 10017

The principal address for Cohen & Steers UK Ltd. is:  
Cohen & Steers UK Ltd  
21 Sackville Street 4th Floor  
London, United Kingdom W1S 3DN

(c) Citizenship:  
Cohen & Steers, Inc: Delaware corporation  
Cohen & Steers Capital Management, Inc: New York corporation  
Cohen & Steers UK Ltd: United Kingdom Private Limited Company  
(d) Title of Class Securities:  
Common  
(e) CUSIP Number:  
29444U700

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or

13d-2(b), check whether the person filing is a

- (a)  Broker or Dealer registered under Section 15 of the Act
- (b)  Bank as defined in Section 3(a)(6) of the Act
- (c)  Insurance Company as defined in section 3(a)(19) of the Act
- (d)  Investment Company registered under Section 8 of the Investment Company Act
- (e)  An investment advisor in accordance with Section 240.13d-1(b)(1)(ii)(E)
- (f)  An employee benefit plan or endowment fund in accordance with 240.13d-1(b)(1)(ii)(F)
- (g)  A parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G)
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813)
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15U.S.C. 80a-3)
- (j)  Group, in accordance with Section 240.13d-1(b)(1)(ii)(J)

Item 4. OWNERSHIP:

(a) Amount Beneficially Owned as of December 31, 2015:

See row 9 on cover sheet

(b) Percent of Class:

See row 11 on cover sheet

(c) Number of shares as to which such person has:

- (i) sole power to vote or direct the vote:  
See row 5 on cover sheet
- (ii) shared power to vote or direct the vote:  
See row 6 on cover sheet
- (iii) sole power to dispose or to direct the disposition of:  
See row 7 on cover sheet
- (iv) shared power to dispose or direct the disposition of:  
See row 8 on cover sheet

Item 5. OWNERSHIP OF 5% OR LESS OF A CLASS  
NO

Item 6. OWNERSHIP OF MORE THAN 5% ON BEHALF OF ANOTHER PERSON  
N/A

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

Cohen & Steers, Inc. holds a 100% interest in Cohen & Steers Capital Management, Inc., an investment advisor registered under Section 203 of the Investment Advisers Act.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

Cohen & Steers, Inc holds a 100% interest in Cohen & Steers Capital Management, Inc., an investment advisor registered under Section 203 of the Investment Advisers Act.

Item 9. NOTICE OF DISSOLUTION OF GROUP:  
Not Applicable

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having that purposes or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 16, 2016

Cohen & Steers, Inc.  
Cohen & Steers Capital Management, Inc.

By:

/s/ Lisa Phelan

\_\_\_\_\_  
Signature

Lisa Phelan, Executive Vice President,  
Chief Compliance Officer

\_\_\_\_\_  
Name and Title

Cohen & Steers UK Limited

By:

/s/ Heather Kaden

\_\_\_\_\_  
Signature

Heather Kaden  
Compliance Officer

\_\_\_\_\_  
Name and Title

#### JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) promulgated under the Securities Exchange Act of 1934, as amended, the undersigned hereby agree to the joint filing with all other Reporting Persons (as such term is defined in the Schedule 13G referred to below) on behalf of each of them of a Statement on Schedule 13G including amendments thereto with respect to the Common Shares of DCT Industrial Trust Inc. and that this Agreement may be included as an Exhibit to such joint filing. This Agreement may be executed in any number of counterparts, all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement as of February 16, 2016.

Cohen & Steers, Inc.  
Cohen & Steers Capital Management, Inc.

By:

/s/ Lisa Phelan

\_\_\_\_\_  
Signature

Lisa Phelan, Executive Vice President,  
Chief Compliance Officer

\_\_\_\_\_  
Name and Title

Cohen & Steers UK Limited

By:

/s/ Heather Kaden

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Signature

Heather Kaden  
Compliance Officer

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Name and Title