

| OMB APPROVAL | |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| | | |
|---|--|---|
| 1. Name and Address of Reporting Person * <u>Short Robert D III</u> (Last) (First) (Middle) C/O 308 DORLA COURT SUITE 206 (Street) ZEPHYR COVE NV 89448 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>VirnetX Holding Corp [VHC]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) CTO & CSO |
| | 3. Date of Earliest Transaction (Month/Day/Year) 12/19/2011 | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 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 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 | (A) or (D) | Price | | | |
| Common Stock | 12/19/2011 | | M | | 13,100 | A | \$1.15 | 20,100 | D | |
| Common Stock | 12/19/2011 | | s ⁽¹⁾ | | 13,100 | D | \$22.1121 ⁽²⁾ | 7,000 | D | |
| Common Stock | | | | | | | | 35,000 | I | By: The Short Revocable Living Trust |

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|--------|--|-----------------|---|--|--|---|--|-------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | | Title |
| Stock Option (Right to Buy) | \$1.15 | 12/19/2011 | | M | | | 13,100 | (3) | 04/02/2019 | Common Stock | 13,100 | \$0 | 212,590 | D | |

Explanation of Responses:

- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 27, 2011.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$22.00 to \$22.41, inclusive. The reporting person undertakes to provide to VirnetX Holding Corporation, any security holder of VirnetX Holding Corporation, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (2) to this Form 4.
- 12/48th of the shares subject to the option to purchase 312,590 shares of the Company Common Stock, granted to the Reporting Person on April 3, 2009, vested and became exercisable on April 3, 2010 and 1/48th of the total shares vest and become exercisable on the same day of each month thereafter so long as the reporting person's Continuous Service Status (as defined in the Issuer's 2007 Stock Plan) continues. If a Change of Control (as defined in the Issuer's 2007 Stock Plan) occurs, all of the Shares underlying this Option then invested as of the date of the Change of Control, will vest and become exercisable immediately prior to the consummation of the Change of Control transaction.

/s/ Kendall Larsen, Attorney-in-fact 12/19/2011

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.