FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Washington, D.C. 20549

| OMB APPROVAL |
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## 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*  SLINEY WILLIAM E  (Last) (First) (Middle)  5615 SCOTTS VALLEY DRIVE, SUITE 110  (Street) |   |  |   |             |   | 2. Issuer Name and Ticker or Trading Symbol VirnetX Holding Corp [ VHC ]  3. Date of Earliest Transaction (Month/Day/Year) 06/17/2010  4. If Amendment, Date of Original Filed (Month/Day/Year) |   |         |                   |  |  |  |  |         | Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner  X Officer (give title Other (specify below)  Chief Financial Officer  6. Individual or Joint/Group Filing (Check Applicable |  |   |  |  |  |  |
|--|---|--|---|-------------|---|---|---|---------|-------------------|--|--|--|--|---------|---|--|---|--|--|--|--|
| VALLEY   | SCOTTS VALLEY  CA 95066  (City) (State) (Zip)                         |  |   |             |   |   |   |         |                   |  |  |  |  |         |   | X Form filed by One Reporting Person Form filed by More than One Reporting Person                              |   |  |  |  |  |
| (City)   | (5)   |  | (Zip)<br>le I - Nor                           | n-Deriv     | /ative                                  | Sec   | curiti  | ies Aco | uired.            | Disr   | nosed o  | of. or   | Bene   | ficiall | v Owner   | 1  |   |  |  |  |  |
| 1. Title of Security (Instr. 3)  2. Trans Date (Month/   |   |  |   |             | action                                  | ear) i  | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |         | 3.                |  | 4. Securities Acquired (A)<br>Disposed Of (D) (Instr. 3,<br>5) |  |  | (A) or  | 5. Amou<br>Securitie<br>Benefici<br>Owned F   | nt of<br>es<br>ally<br>Following   | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) |  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership                |  |  |
|  |   |  |   |             |   |   |   |         | Code              | v  | Amount (A) or (D)  |  | () or<br>()  | Price   | Reported<br>Transaction(s)<br>(Instr. 3 and 4)  |  |   |  | (Instr. 4)   |  |  |
| Common Stock 06/17   |   |  |   |             | 7/201                                   | /2010   |   | х       |                   | 1,00   | 0  | A  | \$3  | 4,      | 4,161   |  | I S   | By Joyce<br>M.<br>Sliney<br>Trust<br>dated<br>5/1/90                     |  |  |  |
| Common Stock 06/17/  |   |  |   |             |   | 2010  |   |         | х                 |  | 1,00   | 0  | A  | \$4     | 5,  | 5,161  |   | I S  | By Joyce<br>M.<br>Sliney<br>Trust<br>dated<br>6/1/90               |  |  |
|  |   | 7  | able II -                                     |             |   |   |   |         |                   |  |  |  |  |         | Owned   |  |   |  |  |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)  | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deeme<br>Execution<br>if any<br>(Month/Da | ed<br>Date, | 4.<br>Transactior<br>Code (Instr.<br>8) |   | n of Ex   |         | . Date Exe        | Date Exercisab<br>piration Date<br>lonth/Day/Year) |  | 7. Title<br>Amour<br>Securi<br>Under<br>Deriva | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |         | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)   | 9. Numbe<br>derivative<br>Securities<br>Beneficia<br>Owned<br>Following<br>Reported<br>Transacti<br>(Instr. 4) | e<br>s<br>lly   | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |  |
|  |   |  |   |             | Code                                    | v   | (A)   |         | eate<br>xercisabl |  | xpiration<br>ate   | Title  | OI<br>N<br>Of  | umber   |   |  |   |  |  |  |  |
| Common<br>Stock<br>Warrant   | \$4   | 06/17/2010                                 |   |             | X                                       |   |   | 1,000   | 01/30/2009        | 9 07   | 7/30/2010  | Comm<br>Stock                                  |  | 1,000   | \$0.00  | 0  |   | I  | Sliney<br>Trust (need<br>details re<br>trust)                      |  |  |

**Explanation of Responses:** 

\$3

Remarks:

Common Stock Warrant

/s/ WILLIAM E. SLINEY

1,000

\$0.00

06/18/2010

0

Sliney

Trust (need

details re trust)

\*\* Signature of Reporting Person

Stock

Date

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

06/17/2010

X

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.

1,000

01/30/2009

07/30/2010

 $<sup>^{\</sup>star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).