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

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**FORM S-8**  
REGISTRATION STATEMENT  
Under  
The Securities Act of 1933

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**VIRNETX HOLDING CORPORATION**

(Exact name of Registrant as specified in its charter)

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Delaware  
(State or other jurisdiction of incorporation or organization)

77-0390628  
(I.R.S. Employer Identification No.)

308 Dorla Court, Suite 206  
Zephyr Cove, Nevada, 89448

(Address of principal executive offices, including zip code)

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2013 Equity Incentive Plan  
(Full title of the plan)

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Kendall Larsen  
Chief Executive Officer  
VirnetX, Inc.  
308 Dorla Court, Suite 206  
Zephyr Cove, Nevada, 89448  
(775) 548-1785

(Name, address and telephone number, including area code, of agent for service)

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Copy to:

Katharine A. Martin, Esq.  
Bradley L. Finkelstein, Esq.  
Wilson Sonsini Goodrich & Rosati, P.C.  
650 Page Mill Road  
Palo Alto, California 94304  
(650) 493-9300

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act (Check one).

Large accelerated filer

Non-accelerated filer  (Do not check if a smaller reporting company)

Accelerated filer

Smaller reporting company

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**CALCULATION OF REGISTRATION FEE**

<b>Title of Securities to be Registered</b>	<b>Amount to be Registered <sup>(1)</sup></b>	<b>Proposed Maximum Offering Price Per Share</b>	<b>Proposed Maximum Aggregate Offering Price</b>	<b>Amount of Registration Fee</b>
Common Stock, \$0.0001 par value per share reserved for issuance pursuant to the 2013 Equity Incentive Plan	7,081,961 <sup>(2)</sup>	\$ 14.01 <sup>(3)</sup>	\$ 99,182,863.81	\$ 12,774.76

- (1) Pursuant to Rule 416(a) of the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement shall also cover any additional shares of the Registrant’s common stock in respect of the securities identified in the above table by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without the Registrant’s receipt of consideration which results in an increase in the number of the outstanding shares of the Registrant’s common stock.
- (2) Shares of common stock reserved for issuance under the 2013 Equity Incentive Plan (the “2013 Plan”) consist of (a) 2,500,000 shares of common stock initially available for future grant under the 2013 Plan and (b) up to 4,581,961 shares of common stock from the expiration, termination, forfeiture or repurchase of awards granted under the 2007 Stock Plan (“2007 Plan”). To the extent currently outstanding awards under the 2007 Plan expire or otherwise terminate or are forfeited to or repurchased by the Company after the date of this Registration Statement, the shares of common stock subject to such awards will be available for future issuance under the 2013 Plan.
- (3) The Proposed Maximum Offering Price Per Share is calculated in accordance with Rule 457(h) under the Securities Act solely for the purpose of calculating the registration fee. With respect to an aggregate of 7,081,961 shares of common stock available for future issuance under the 2013 Plan, the estimated Proposed Maximum Offering Price Per Share was calculated pursuant to Rules 457(c) and 457(h) under the Securities Act on the basis of \$14.01 per share, the average of the high and low price of the common stock on the NYSE MKT on May 12, 2014.

## PART I

### INFORMATION REQUIRED IN THE PROSPECTUS

The information specified in Item 1 and Item 2 of Part I of Form S-8 is omitted from this Registration Statement on Form S-8 (the “**Registration Statement**”) in accordance with the provisions of Rule 428 under the Securities Act of 1933, as amended (the “**Securities Act**”), and the introductory note to Part I of Form S-8. The documents containing the information specified in Part I of Form S-8 will be delivered to the participants in the equity benefit plans covered by this Registration Statement as specified by Rule 428(b)(1) under the Securities Act.

## PART II

### INFORMATION REQUIRED IN REGISTRATION STATEMENT

#### Item 3. Incorporation of Documents by Reference.

VirnetX Holding Corporation (the “**Registrant**”) hereby incorporates by reference into this Registration Statement the following documents previously filed with the Securities and Exchange Commission (the “**Commission**”):

(1) The Registrant’s Annual Report on Form 10-K for the fiscal year ended December 31, 2013 filed with the Commission on March 3, 2014 pursuant to Section 13 of the Securities Act;

(2) The Registrant’s Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2014.

(3) All other reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of the fiscal year covered by the Registrant’s Annual Report referred to in (a) above.

(4) The description of the Registrant’s common stock contained in the Registrant’s Statement filed with the Commission on Form 8-A on November 21, 2007, together with Amendment No. 1 on Form 8-A filed with the Commission on December 21, 2007, and including any other amendments or reports filed for the purpose of updating such description.

All documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this Registration Statement and to be part hereof from the date of filing of such documents; *provided, however*, that documents or information deemed to have been furnished and not filed in accordance with the rules of the Commission shall not be deemed incorporated by reference into this Registration Statement. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document which also is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

#### Item 4. Description of Securities.

Not applicable.

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**Item 5. Interests of Named Experts and Counsel.**

The validity of the common stock being registered hereby will be passed upon for the Registrant by Wilson Sonsini Goodrich & Rosati, P.C., Palo Alto, California. As of the date of this Registration Statement, Katharine A. Martin, a partner of Wilson Sonsini Goodrich & Rosati, P.C., is the Secretary of VirnetX Holding Corporation.

**Item 6. Indemnification of Directors and Officers.**

Section 145 of the Delaware General Corporation Law authorizes a corporation's board of directors to grant, and authorizes a court to award, indemnity to officers, directors and other corporate agents.

As permitted by Section 102(b)(7) of the Delaware General Corporation Law, the Registrant's amended and restated certificate of incorporation includes provisions that eliminate the personal liability of its directors and officers for monetary damages for breach of their fiduciary duty as directors and officers.

In addition, as permitted by Section 145 of the Delaware General Corporation Law, the amended and restated certificate of incorporation and amended and restated bylaws of the Registrant provide that:

- The Registrant shall indemnify its directors and officers for serving the Registrant in those capacities or for serving other business enterprises at the Registrant's request, to the fullest extent permitted by Delaware law. Delaware law provides that a corporation may indemnify such person if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the Registrant and, with respect to any criminal proceeding, had no reasonable cause to believe such person's conduct was unlawful.
- The Registrant may, in its discretion, indemnify employees and agents in those circumstances where indemnification is permitted by applicable law.
- The Registrant is required to advance expenses, as incurred, to its directors and officers in connection with defending a proceeding, except that such director or officer shall undertake to repay such advances if it is ultimately determined that such person is not entitled to indemnification.

The Registrant has entered into separate indemnification agreements with each of its directors and officers that provide the maximum indemnity allowed to directors and executive officers by Section 145 of the Delaware General Corporation Law and also to provide for certain additional procedural protections. The Registrant also maintains directors and officers insurance to insure such persons against certain liabilities.

These indemnification provisions and the indemnification agreements entered into between the Registrant and its officers and directors may be sufficiently broad to permit indemnification of the Registrant's officers and directors for liabilities (including reimbursement of expenses incurred) arising under the Securities Act.

**Item 7. Exemption from Registration Claimed.**

Not applicable

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**Item 8. Exhibits.**

<b>Exhibit Number</b>	<b>Description</b>
5.1	Opinion of Wilson Sonsini Goodrich & Rosati, Professional Corporation.
23.1	Consent of Wilson Sonsini Goodrich & Rosati, Professional Corporation (contained in Exhibit 5.1 hereto).
23.2	Consent of Farber Hass Hurley LLP, Independent Registered Public Accounting Firm.
24.1	Power of Attorney (contained on signature page hereto).
99.1	2013 Equity Incentive Plan (which is incorporated herein by reference to Annex A of the Company's Proxy Statement (Commission File No. 001-33852) filed with the Securities and Exchange Commission on April 12, 2013).

## Item 9. Undertakings.

The undersigned Registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:
  - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;
  - (ii) To reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective Registration Statement;
  - (iii) To include any material information with respect to the plan of distribution not previously disclosed in the Registration Statement or any material change to such information in the Registration Statement;

*provided, however*, that paragraphs (1)(i) and (1)(ii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the Registration Statement;

- (2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof;
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering; and

undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in such Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in such Act and will be governed by the final adjudication of such issue.

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## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Zephyr Cove, State of Nevada, on May 16, 2014.

### VIRNETX HOLDING CORPORATION

By: /s/ Kendall Larsen  
Kendall Larsen  
Chief Executive Officer

### POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Kendall Larsen, Chief Executive Officer, and Richard H. Nance, Chief Financial Officer, jointly and severally, his or her attorneys-in-fact and agents, each with the power of substitution and resubstitution, for him or her and in his or her name, place or stead, in any and all capacities, to sign any amendments to this Registration Statement on Form S-8, and to file such amendments, together with exhibits and other documents in connection therewith, with the Securities and Exchange Commission, granting to each attorney-in-fact and agent, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully as he or she might or could do in person, and ratifying and confirming all that the attorneys-in-fact and agents, or his or her substitute or substitutes, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Kendall Larsen</u> Kendall Larsen	<b>Chief Executive Officer</b> (Principal Executive Officer and Chairman)	May 16, 2014
<u>/s/ Richard H. Nance</u> Richard H. Nance	<b>Chief Financial Officer</b> (Principal Financial Officer and Accounting Officer)	May 16, 2014
<u>/s/ Thomas M. O'Brien</u> Thomas M. O'Brien	<b>Director</b>	May 16, 2014
<u>/s/ Scott C. Taylor</u> Scott C. Taylor	<b>Director</b>	May 16, 2014
<u>/s/ Michael F. Angelo</u> Michael F. Angelo	<b>Director</b>	May 16, 2014
<u>/s/ Robert D. Short III</u> Robert D. Short III	<b>Director</b>	May 16, 2014

## INDEX TO EXHIBITS

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<a href="#">23.2</a>	Consent of Farber Hass Hurley LLP, Independent Registered Public Accounting Firm.
24.1	Power of Attorney (contained on signature page hereto).
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OPINION OF WILSON SONSINI GOODRICH & ROSATI  
PROFESSIONAL CORPORATION

May 16, 2014

VirnetX Holding Corporation  
308 Dorla Court, Suite 206  
Zephyr Cove, Nevada

**Re: Registration Statement on Form S-8**

Ladies and Gentlemen:

We have examined the Registration Statement on Form S-8 (the "**Registration Statement**") to be filed by VirnetX Holding Corporation, a Delaware corporation, with the Securities and Exchange Commission on or about the date hereof, in connection with the registration under the Securities Act of 1933, as amended, of 7,081,961 shares of Common Stock reserved for issuance under the 2013 Equity Incentive Plan (the "2013 Plan"), which consist of (a) 2,500,000 shares of common stock initially available for future grant under the 2013 Plan and (b) up to 4,581,961 shares of common stock from the expiration, termination, forfeiture or repurchase of awards granted under the 2007 Stock Plan ("2007 Plan").

On the basis of the foregoing, and in reliance thereon, we are of the opinion that the Shares, when issued and sold in the manner referred to in the Plan and pursuant to the agreements that accompany the Plans, will be legally and validly issued, fully paid, and nonassessable.

We consent to the use of this opinion as an exhibit to the Registration Statement and further consent to the use of our name wherever appearing in the Registration Statement and any amendments thereto.

Very truly yours,

WILSON SONSINI GOODRICH & ROSATI  
Professional Corporation

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**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the VirnetX Holding Corporation 2013 Equity Incentive Plan of our report dated March 3, 2014, with respect to the consolidated financial statements and schedule of VirnetX Holding Corporation, included in its Annual Report (Form 10-K) for the year ended December 31, 2013, filed with the Securities and Exchange Commission.

/s/ Farber Hass Hurley LLP

Chatsworth, California  
May 16, 2014

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