

# Security Advisory on Vulnerability with the SIP Registration Credentials

This engineering advisory describes a security vulnerability in certain releases of the Polycom® UC Software with the SIP registration credentials on the Polycom phones.

This engineering advisory applies to Polycom® SoundPoint® IP, SoundStation® IP, and VVX® 1500 phones running Polycom UC Software 3.3.2 and SoundPoint® IP phones and SpectraLink® 8400 Series handsets running UC Software 4.0.0.

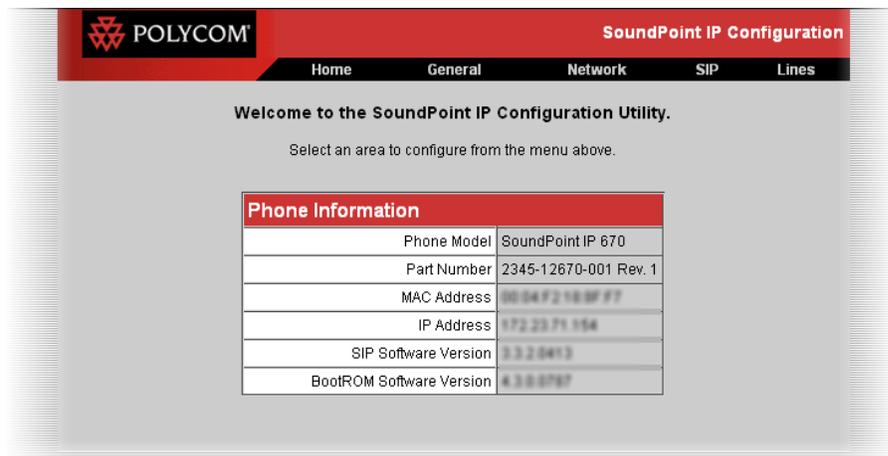
## Identifying the Issue

When your Polycom phones are running UC Software 3.3.2 or 4.0.0, anyone who knows the administrative password can log in and access the phone's web interface.

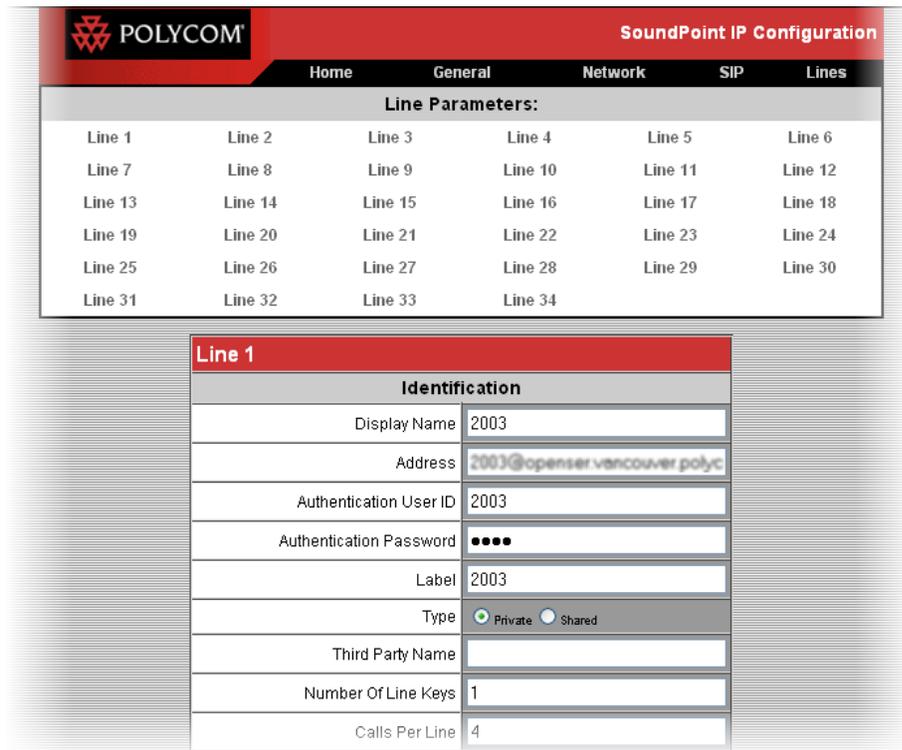
If users view the page source from a browser or 'sniff' the browser traffic from the phone, they will see the password fields in clear text. All password fields should appear as ????.

## Phones Running UC Software 3.3.2

If users log into the phone's web interface with the administrative password and the phone is running UC Software 3.3.2, the following page will display in the browser.



If users navigate to the Lines page, the following page will display in the browser.



**SoundPoint IP Configuration**

Home    General    Network    SIP    Lines

**Line Parameters:**

Line 1	Line 2	Line 3	Line 4	Line 5	Line 6
Line 7	Line 8	Line 9	Line 10	Line 11	Line 12
Line 13	Line 14	Line 15	Line 16	Line 17	Line 18
Line 19	Line 20	Line 21	Line 22	Line 23	Line 24
Line 25	Line 26	Line 27	Line 28	Line 29	Line 30
Line 31	Line 32	Line 33	Line 34		

**Line 1**

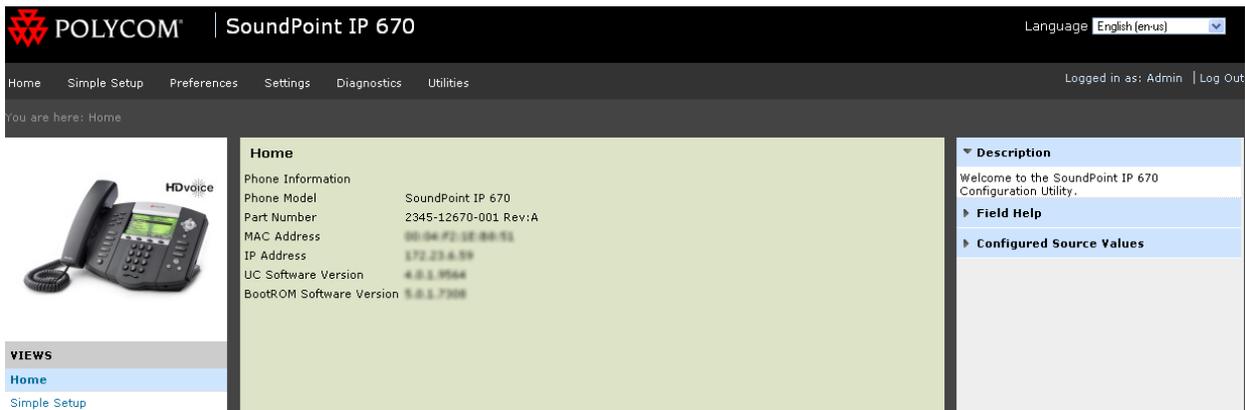
**Identification**

Display Name	2003
Address	2003@openser.vancouver.polycom
Authentication User ID	2003
Authentication Password	••••
Label	2003
Type	<input checked="" type="radio"/> Private <input type="radio"/> Shared
Third Party Name	
Number Of Line Keys	1
Calls Per Line	4

If users view the page source from a browser, they will see the password fields in clear text.

## Phones Running UC Software 4.0.0

If users log into the Web Configuration Utility with the administrative password and the phone is running UC Software 4.0.0, the following page will display in the browser.



**POLYCOM | SoundPoint IP 670**    Language: English (en-us)

Home    Simple Setup    Preferences    Settings    Diagnostics    Utilities    Logged in as: Admin | Log Out

You are here: Home

**Home**

Phone Information

Phone Model	SoundPoint IP 670
Part Number	2345-12670-001 Rev:A
MAC Address	00-04-F2-08-00-51
IP Address	172.23.4.39
UC Software Version	4.0.1.9564
BootROM Software Version	5.0.1.7300

**DESCRIPTION**

Welcome to the SoundPoint IP 670 Configuration Utility.

- Field Help
- Configured Source Values

**VIEWS**

- Home
- Simple Setup

If users navigate to the **Settings > Lines** page, the following page will display in the browser.



The screenshot shows the Polycom SoundPoint IP 670 web configuration utility. The page title is 'POLYCOM | SoundPoint IP 670'. The navigation menu includes Home, Simple Setup, Preferences, Settings, Diagnostics, and Utilities. The user is logged in as Admin. The page content is for 'Line 1' configuration. The 'Identification' section includes fields for Display Name, Address (mjones@vanocs.local), Authentication User ID (mjones), Authentication Password (masked with dots), Label (8327), Type (Private selected), Third Party Name, Number of Line Keys (1), Calls Per Line (24), and Ring Type (Low Trill). The 'Description' section provides instructions on how to configure phone lines. The 'Field Help' section explains the address field. The password field is visible in clear text.

If users view the page source from a browser, they will see the password fields in clear text.



#### Admin Tip: Using HTTPS Access

If you require the use of a secure tunnel to access the Web Configuration Utility, the vulnerability is removed.

## Workaround

To work around this issue, do one of following:

- 1 Disable the web interface. This solves both the page source viewing issue and the 'sniffing' issue. To disable the web interface, set `httpd.cfg.enabled` to 0. For more information on changing configuration parameters, see the [Polycom UC Software 3.3.0 Administrator's Guide](#) or the [Polycom UC Software 4.0.1 Administrator's Guide](#).
- 2 Change the administrative password from the default. This means only authorized people can access the web interface. This solves the issue of viewing the page source from a browser. The administrative password can be changed by changing the configuration parameter or through the phone's user interface under **Settings > Advanced**. This is not a complete workaround, but it mitigates the issue by removing the ability for an attacker to use a well-known default password.
- 3 If your phones are running UC Software 4.0.0, set `httpd.cfg.secureTunnelRequired` to 1. All communications with the web interface are now secure. This is not a complete workaround, but it mitigates the issue of an attacker sniffing packets.
- 4 Use the HTTPS protocol for all communications.



This is not a complete workaround, but it mitigates the issue by removing the ability for an attacker to use a well-known default password.

- 5 Downgrade the phones running UC Software 3.3.2 to 3.3.1 . The UCS Software 3.3.1 does not have the issue.
- 6 Upgrade the phones running UC Software 3.3.2 to 3.3.3 or upgrade the phones running UC Software 4.0.0 to 4.0.1 . See [Resolution](#).

## Resolution

This issue is fixed in [UC Software 3.3.3](#) (see VOIP-74074), which was released in November 2011, and is fixed in [UC Software 4.0.1](#) (see VOIP-74167), which was released in December 2011.

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