

Polycom Provisioning for Skype for Business

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Contents

Configure the Phone's Provisioning Server Setting	3
Configure DHCP for PPS.....	4
Define the Provisioning Server Location.....	4
Define Option 160	4
Define Option 66	5
Define the Time Server Location	6
Define the Time Offset	6

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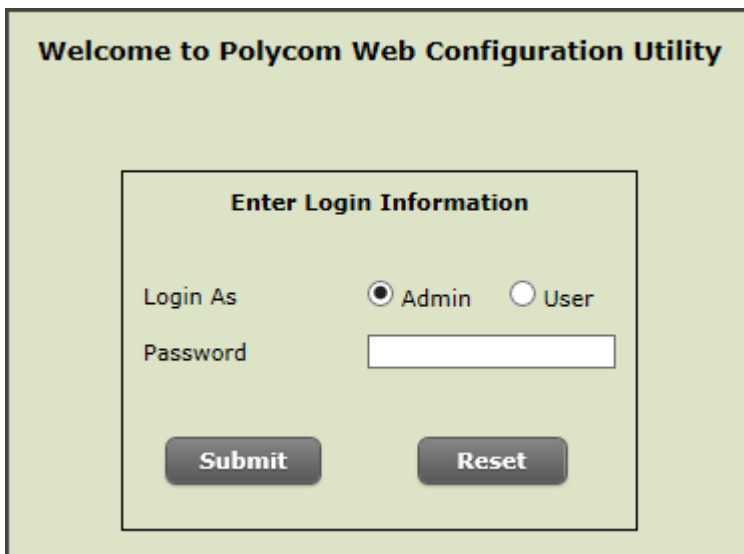
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This guide explains the configuration steps required to set up Polycom phones for use with AltiGen's hosted Skype for Business services.

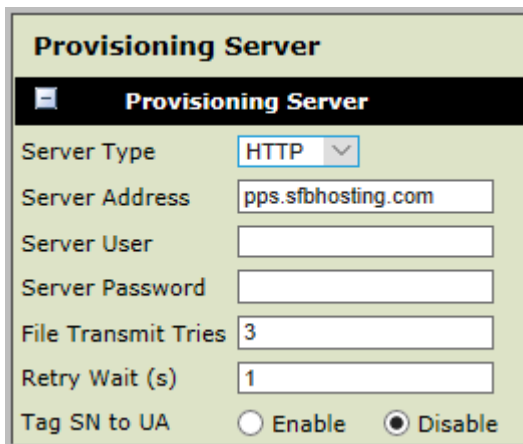
Configure the Phone's Provisioning Server Setting

This section describes how to manually configure a Polycom phone's provisioning server setting.

1. On the Polycom phone, press **Home**, then **Settings**, then **Status**, then **Network**, then **TCP/IP Parameters**. This will show you the IP address.
2. Open a web browser and enter the IP address that you retrieved in Step 1. You should see a screen similar to the following figure.



3. Enter the default password (**456**). Click **Submit** to log in.
4. Click the **Settings** menu, and then click **Provisioning Server**.
5. On the *Provisioning Server* page, change *Server Type* to **HTTP**. For *Server Address*, enter `pps.sfbhosting.com`. Click **Save**.



6. After your phone retrieves the custom configuration, the new admin password will be **654**. Please make a note of that password.

Configure DHCP for PPS

For proper operation of Polycom phones, you must provide information about the location of critical network resources automatically to the phone.

Dynamic Host Configuration Protocol (DHCP) is a network protocol that helps a server automatically provide an IP address to a computer from a defined range of numbers that have already been configured for a network.

This section shows how to define a provisioning server location, a time server location, and the time offset for your Polycom phones.

Define the Provisioning Server Location

When receiving a dynamic IP address on the network, the Polycom phone will look for the location of a provisioning server by first looking for the existence of DHCP **Option 160**. Refer to [Define Option 160](#).

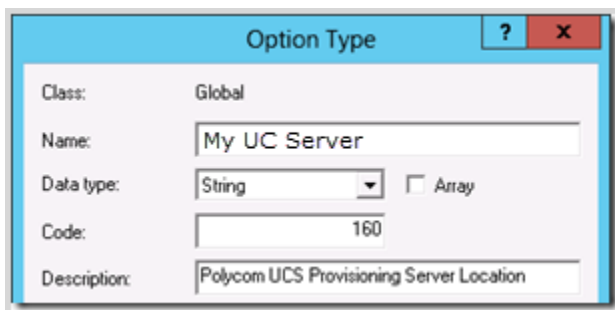
If option 160 has not been configured, then the phone will look for **Option 66**. Refer to [Define Option 66](#).

Option 160 is specific to Polycom UCS devices; option 66 is commonly shared with other SIP phones. If other devices in your environment are already using option 66, then you may want to use option 160 for Polycom phones.

Define Option 160

If you plan to use option 160 with a DHCP server but have not yet defined it, follow these steps to create it:

1. Using *DHCP Manager*, highlight the network type object (for example, *IPv4*). Choose **Set Predefined Options**.
2. Click **Add**.
 - Enter a descriptive name.
 - Change the *Data Type* to **String**.
 - Enter **160** for as the *Code*.
 - (Optional) You can also add a description.
 - Save the option.



Option Type	
Class:	Global
Name:	My UC Server
Data type:	String <input type="checkbox"/> Array
Code:	160
Description:	Polycom UCS Provisioning Server Location

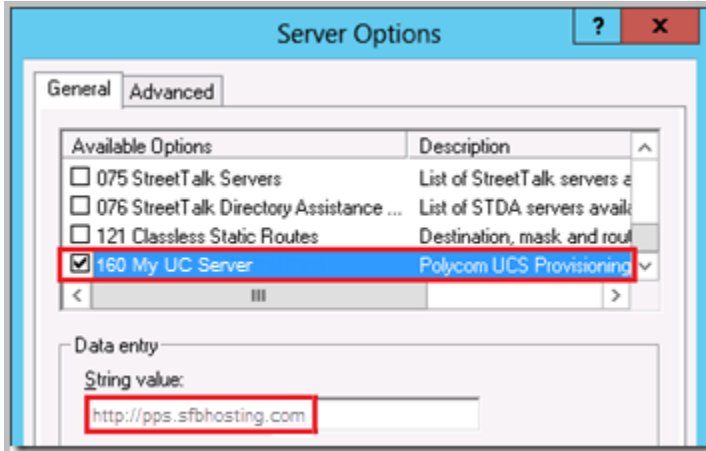
3. Configure the *Server Options* under the same network scope and then select option **160**.

For the data value, use the format:

`<service type>://<fqdn>`

For example:

`http://pps.sfbhosting.com.`



Define Option 66

If you prefer to use option 66 instead of option 160, you can define it in a Microsoft DHCP server by configuring the pre-defined option.

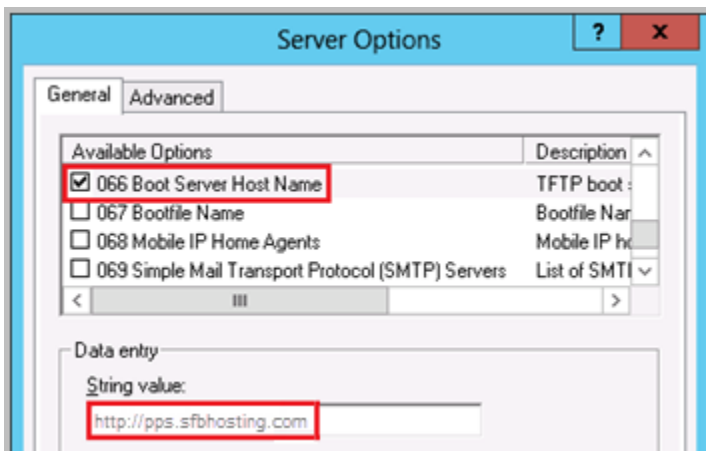
Using *DHCP Manager*, configure the *Server Options* under an existing IPv4 scope and then enable option **066 Boot Server Host Name**.

For the data value, use the format:

`<service type>://<fqdn>`

For example:

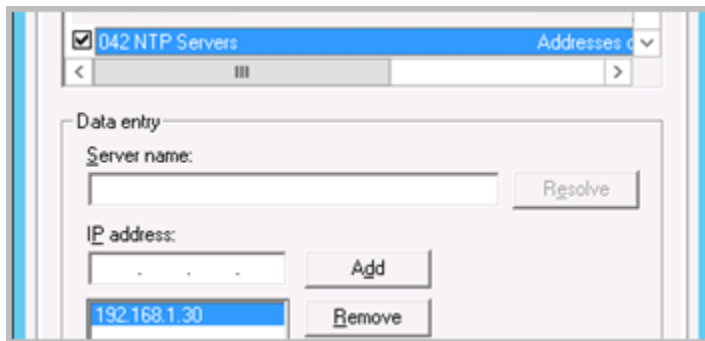
`http://pps.sfbhosting.com.`



Define the Time Server Location

You must provide the location of a time server for the Polycom phones. If DHCP Option 42 is not already defined, then you should add it to the same scope.

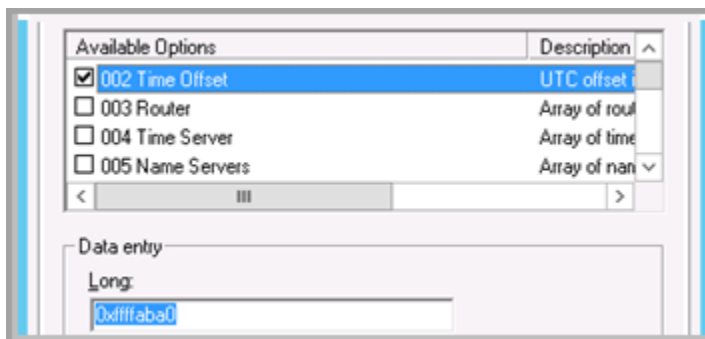
In the *Server Options* for the same scope, enable **042 NTP Servers**. Enter the IP address of at least one host which provides network time services (e.g. a Windows Active Directory Domain Controller).



Define the Time Offset

Although the time server location will provide the accurate time, the Polycom phone will display the time in GMT by default.

To show the correct local time on the Polycom phone's display, use the standard time offset DHCP parameter. In the *Server Options* for the same scope, enable the option **002 Time Offset**. Enter the desired offset in seconds as a hexadecimal value (for example, 0xffffaba0).



To calculate the correct hexadecimal value, you can use the *Windows Calculator* in **Programmer** mode.

The following example is used for the Central Time Zone, which is GMT -6.

- Enable **Programmer** Mode (Alt+3) and select **Dec** and **Qword**. Multiply the number of seconds in one hour (3600) by the desired offset value (make sure to include the negative sign if the time zone is earlier than GMT).

$$3600 \times -6 = -21600$$

- Select **Hex** to convert the value to hexadecimal.

FFFF FFFF FFFF ABA0

- Select **Dword** to convert the string from 64 bits to 32 bits.

FFFF ABA0

- Insert the *0x* prefix and remove the space for the final value which should be used as the data in Microsoft DHCP.

0xFFFFABA0