



Configuring Skype for Business for FortiVoice Enterprise Phone System

Technical Note



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May 13, 2016

1st Edition

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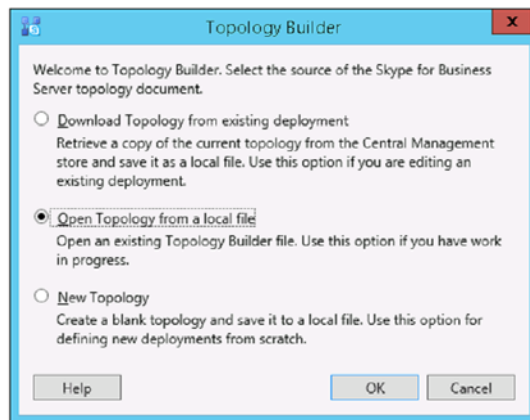
Skype for Business can be configured to utilize lines and phones on the FortiVoice Enterprise phone system (FVE) to make calls or join conferences. Skype for Business can support multiple phone systems in a single instance and route calls to different sites based upon the dial plans. This technical note will focus on a single phone system configuration.

In order to work with FVE, Skype for Business must be installed on a server. This note assumes Skype for Business 2015 is running on Windows 2012 server. For information on installing Skype for Business, go to: <https://technet.microsoft.com/en-us/library/dn951362.aspx>.

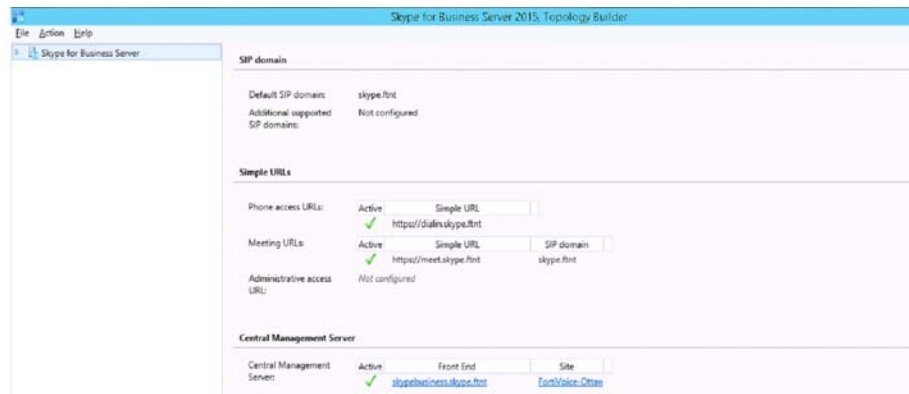
To configure Skype Topology Builder

1. Launch the *Skype for Business Topology Builder*, and select *Open Topology* from a local file.
2. Select your configured topology.

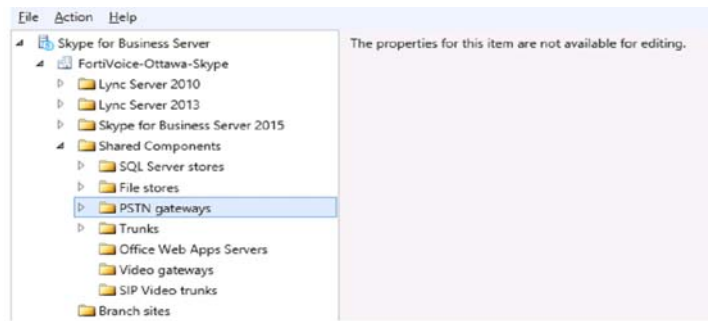
This is the configuration that was created in Step 5 of the installation and will have an extension of .tbxml (topology builder XML).



Once the topology is loaded, the main window will appear.



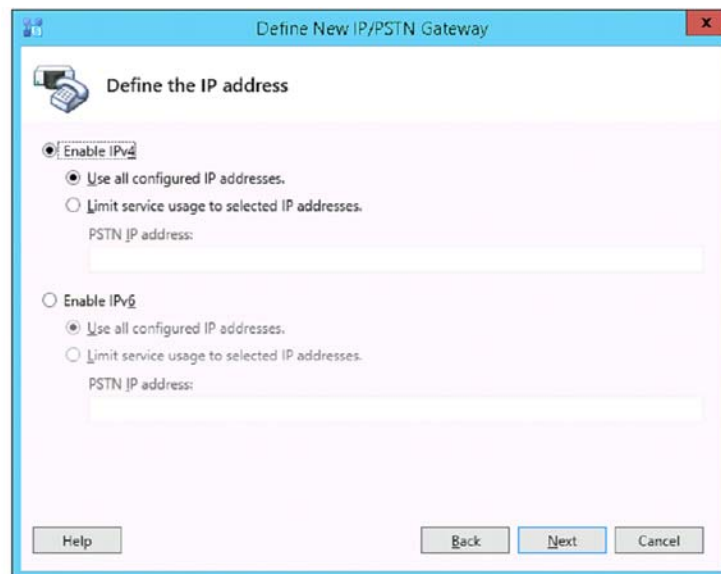
3. Go to *Skype for Business Server > Your Skype Domain > Shared Components > PSTN gateways*.



4. Right click on *PSTN gateways* and select *New IP/PSTN Gateway*. In the pop-up window, enter the FVE's FQDN or IP address, and click *Next*.



5. Select IPv4 or IPv6 depending upon the configuration, and click *Next*.



6. Configure the SIP signalling port used by the FVE under the *Listening port for IP/PSTN gateway*, and click *Finish*.

Define New IP/PSTN Gateway

Define the root trunk

Trunk name: *
192.168.1.90

Listening port for IP/PSTN gateway: *
5067

SIP Transport Protocol:
TLS

Associated Mediation Server:
skypebusiness.skype.ftnt FortiVoice-Ottawa-Skype

Associated Mediation Server port: *
5067

Help Back Finish Cancel

7. In the menu, select *Action > Topology > Publish*. In the pop-up window, click *Next* to publish the information.

Publish Topology

Publish the topology

In order for Skype for Business Server 2015 to correctly route messages in your deployment, you must publish your topology. Before you publish the topology, ensure that the following tasks have been completed:

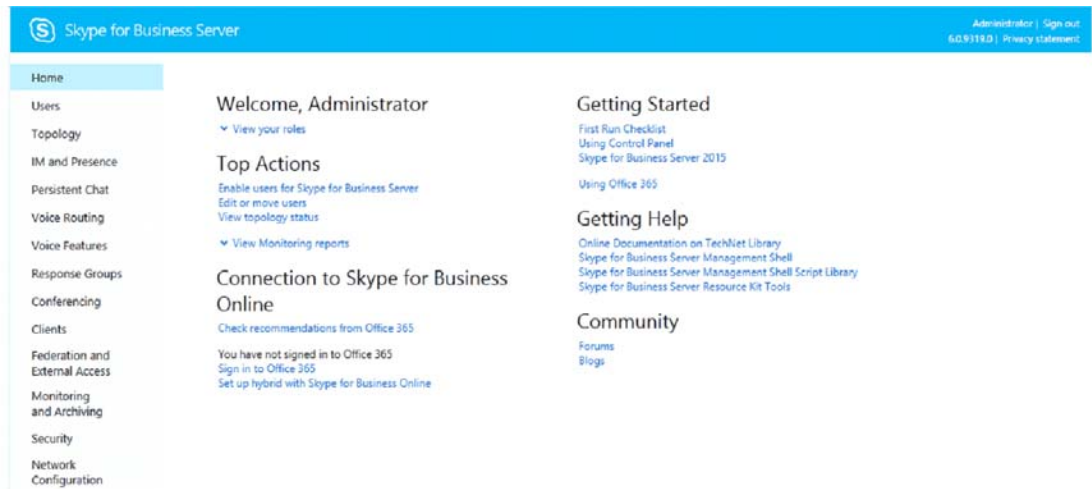
- A validation check on the root node did not return any errors.
- A file share has been created for all file stores that you have configured in this topology.
- All simple URLs have been defined.
- For Enterprise Edition Front End pools and Persistent Chat pools and for Monitoring Servers and Archiving Servers: All SQL Server stores are installed and accessible remotely, and firewall exceptions for remote access to SQL Server are configured.
- For a single Standard Edition server, the "Prepare first Standard Edition server" task was completed.
- You are currently logged on as a SQL Server administrator (for example, as a member of the SQL sysadmin role).
- If you are removing a Front End pool, all users, common area phones, analog devices, application contact objects, and conference directories have been removed from the pool.

When you are ready to proceed, click Next.

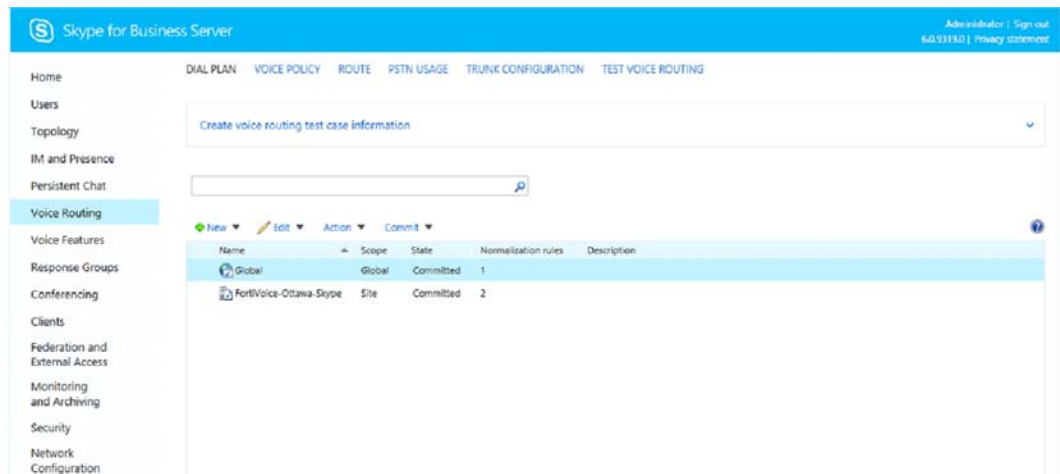
Help Back Next Cancel

To configure Skype Control Panel

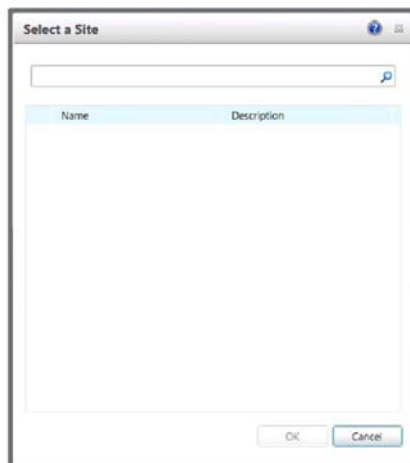
1. Launch the *Skype for Business Control Panel*.



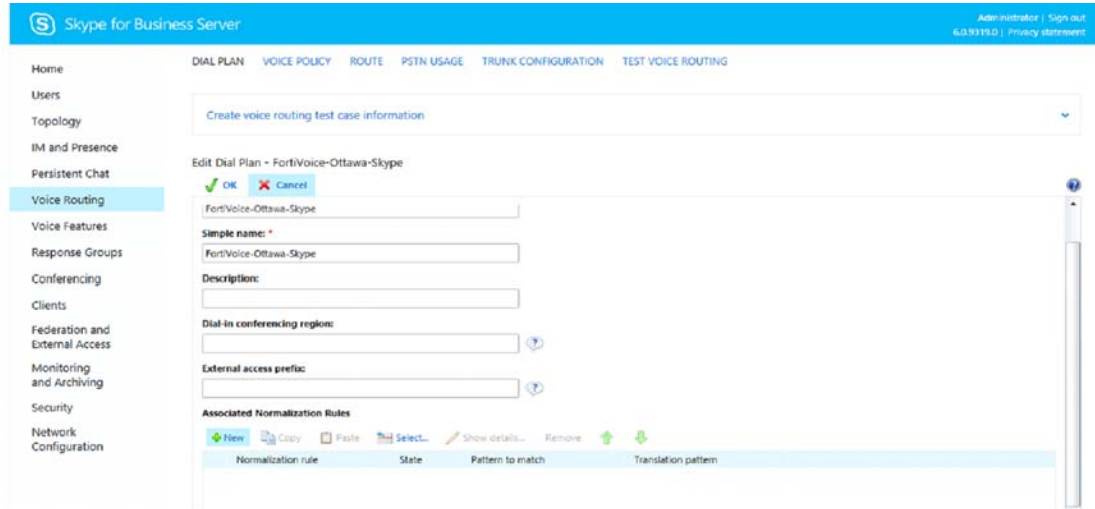
2. Select *Voice Routing*. For information on configuring voice routings and dial plans, see the Microsoft tech note: <https://technet.microsoft.com/en-us/library/gg413082.aspx>.



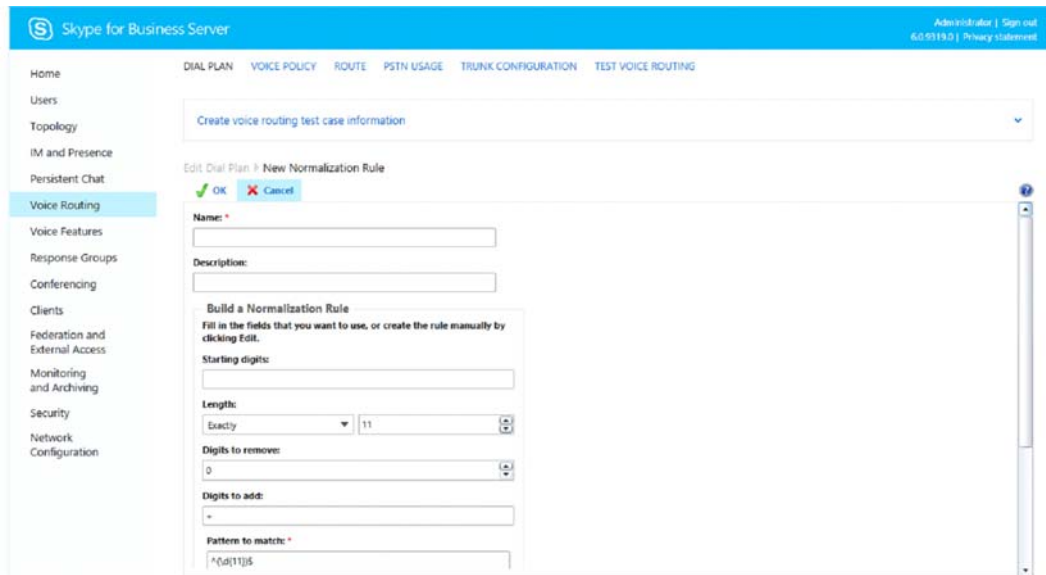
3. Select *New > Site dial plan*, choose your Skype for Business Site and click *OK*.



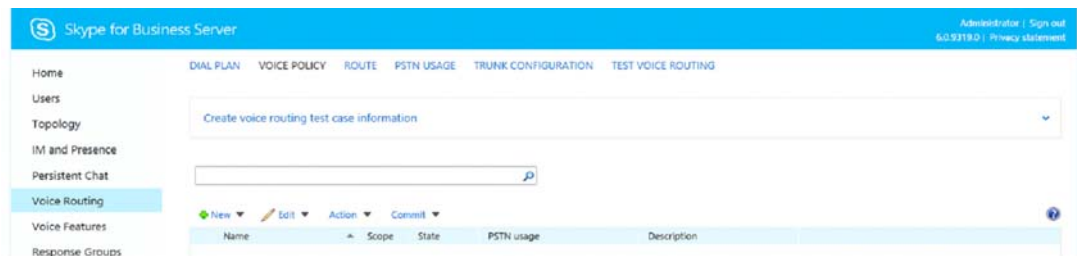
- Under *Associated Normalization Rules*, click *New*.



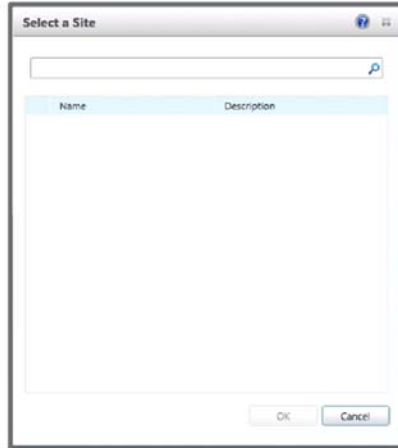
- In the *Starting digits* field, enter the matching digits the dial plan will handle. Ensure the *Digits to add* field contains +. Click *OK* to accept the rule.



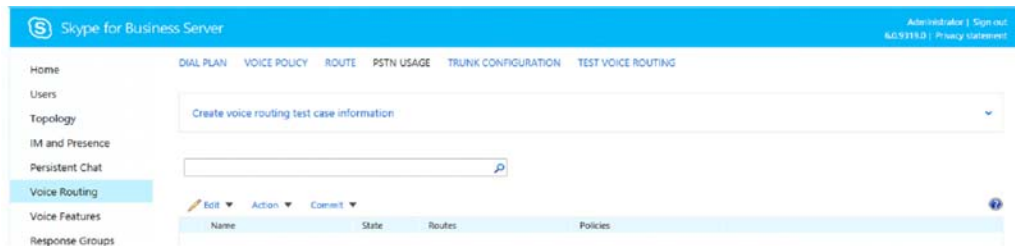
- Go to *Voice Routing > Voice Policy*.



7. Click **New** and choose *Site policy*. Select your site and click **OK**.



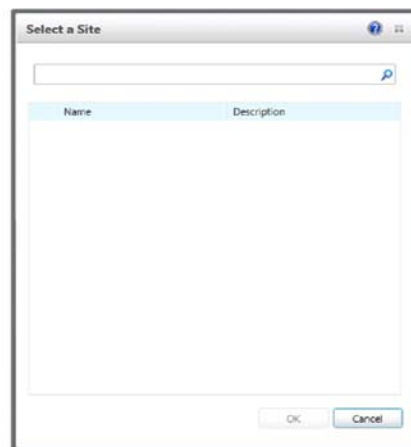
8. Go to **Voice Routing > PSTN Usage**.



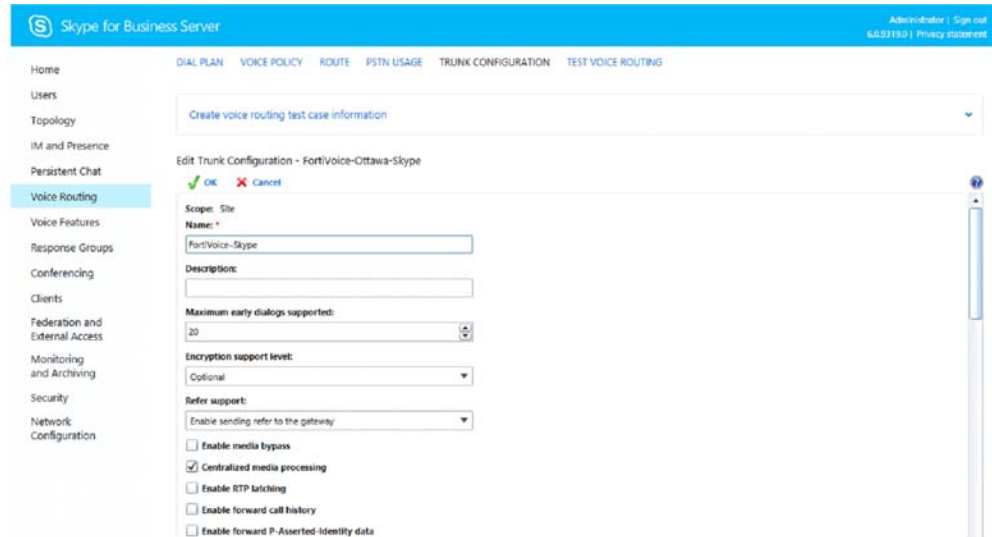
9. Go to **Voice Routing > Trunk Configuration**.



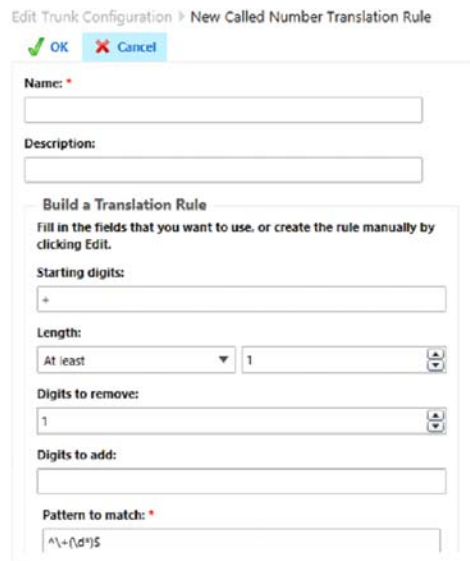
10. Click **New** and choose *Site policy*. Select your site and click **OK**.



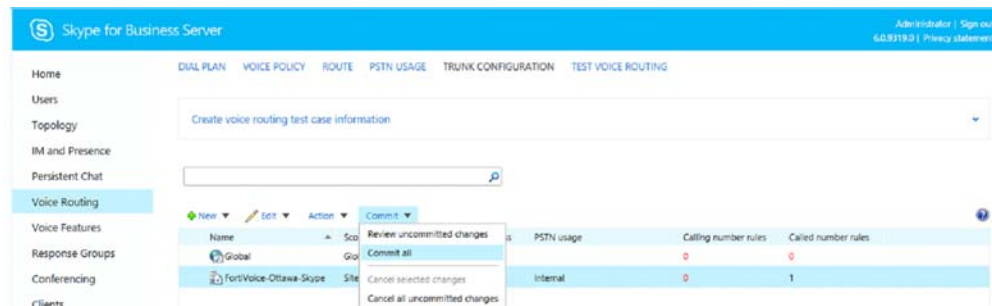
11. Enter a name for the trunk configuration. Enable the options that you want to support on this trunk.



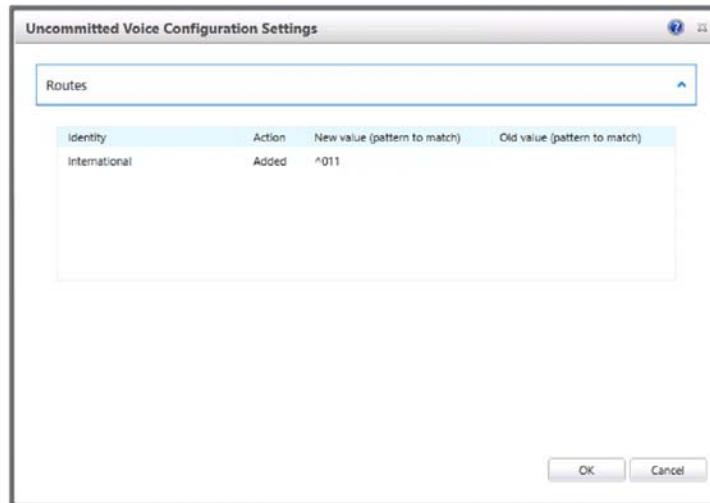
12. Under *Called Number Translation Rules*, chose *New*. Enter a name and remove the "+" from the Dial Plan number. Click *OK* to accept the translation and click *OK* again to accept the policy.



13. Select *Commit* > *Commit All* to save the changes to the server.



14. Click *OK* to accept and commit the changes.



15. Place test calls and confirm your configuration.

