

SIP Phone Support (SPS)

Microsoft® Lync™

Configuration Note

Quality of Service (QoS) on SPS



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Notice

This document describes how to configure Quality of Service (QoS) for calls managed by the SPS server.

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Related Documentation

| Manual Name |
|--|
| SPS for Microsoft Lync Server 2010 Administrator's Guide |
| SPS for Lync Quick Start Guide |

Reader's Notes

1 Introduction

This document describes how to configure Quality of Service (QoS) for calls managed by the SPS server.

Reader's Notes

2 Configuring QoS on the SPS Server

This section describes how to configure the QoS for calls managed using the SPS server.

➤ **To configure QoS of the SPS server:**

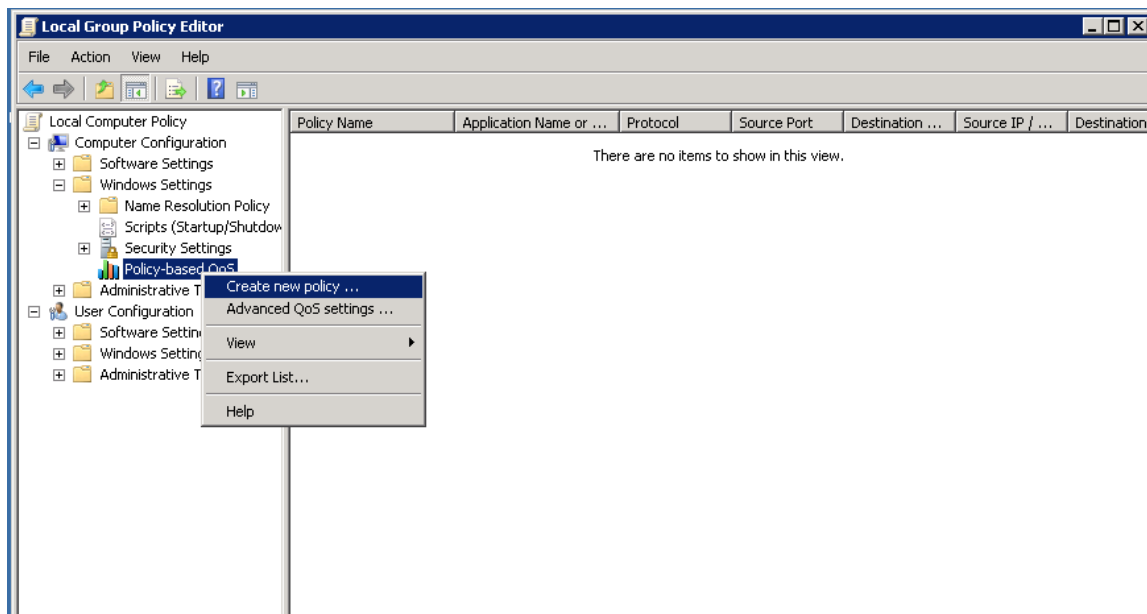
1. At the Command prompt, open the **Local Group Policy Editor**.
2. Click the **Start** button, in the Start Search box, type **gpedit.msc**, and then press **Enter**.



Note: The `gpedit.msc` file is located in the `Windows\System32` folder.

The following screen is displayed:

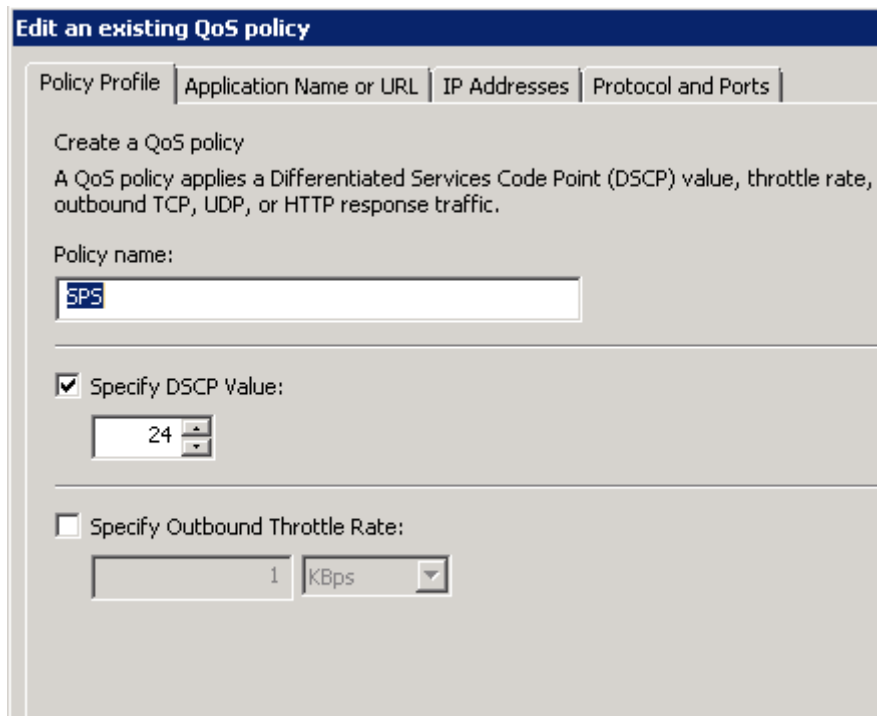
Figure 2-1: Local Group Policy Editor



3. If the User Account Control (UAC) dialog prompt appears, click **Yes**.
4. Define a new Policy for using the required DSCP (Differentiated Services Code Point).
In the Navigation tree under **Computer configuration** > **Windows Settings**, right - click **Policy-based QoS** and then from the pop-up dialog, click **Create new policy**.

The following screen is displayed:

Figure 2-2: Edit an Existing QoS Policy



Edit an existing QoS policy

Policy Profile | Application Name or URL | IP Addresses | Protocol and Ports

Create a QoS policy
A QoS policy applies a Differentiated Services Code Point (DSCP) value, throttle rate, and other parameters to inbound and outbound TCP, UDP, or HTTP response traffic.

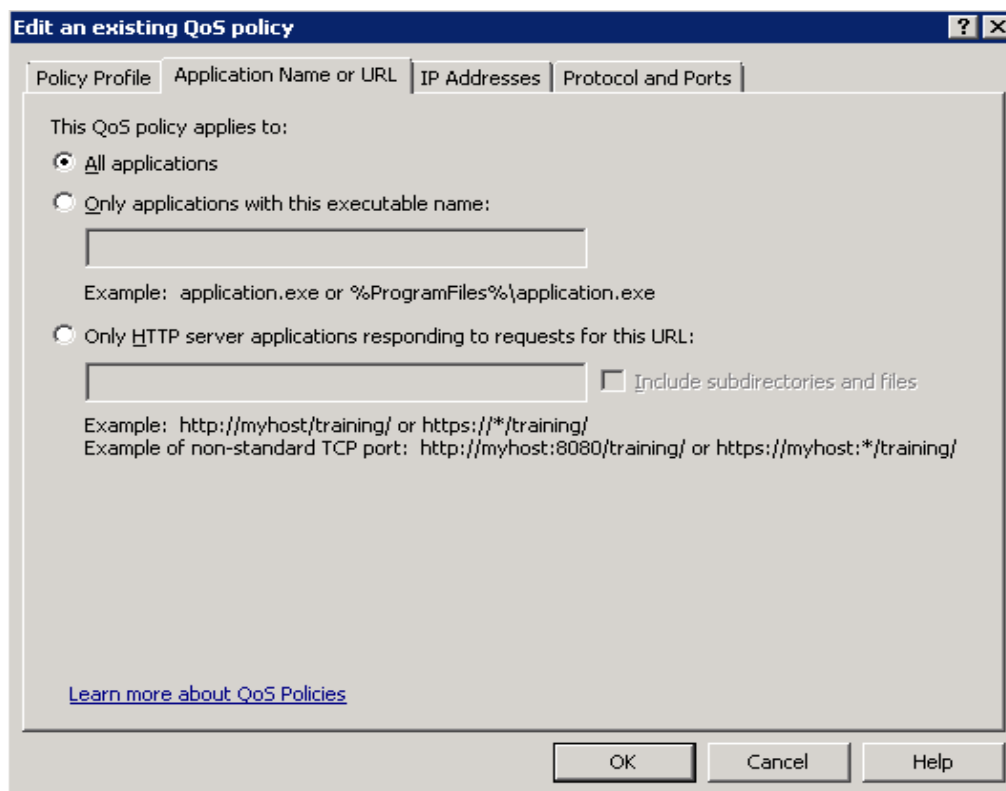
Policy name:

Specify DSCP Value:

Specify Outbound Throttle Rate:

5. Set the **Policy name**, and then in the **Specify DSCP Value** field, use the arrow keys to define the appropriate DSCP value to use.
6. Click the **Application Name or URL** tab. The following screen is displayed:

Figure 2-3: Edit an Existing QoS Policy-Application Name or URL



Edit an existing QoS policy ? X

Policy Profile | Application Name or URL | IP Addresses | Protocol and Ports

This QoS policy applies to:

All applications

Only applications with this executable name:

 Example: application.exe or %ProgramFiles%\application.exe

Only HTTP server applications responding to requests for this URL:
 Include subdirectories and files
 Example: http://myhost/training/ or https://*/training/
 Example of non-standard TCP port: http://myhost:8080/training/ or https://myhost:*/training/

[Learn more about QoS Policies](#)

OK Cancel Help

7. Click the **All applications** option to set the QoS Policy to apply to all applications.
8. Click the **IP Addresses** tab. The following screen is displayed:

Figure 2-4: Edit an Existing QoS Policy-IP Addresses

The screenshot shows a dialog box titled "Edit an existing QoS policy" with four tabs: "Policy Profile", "Application Name or URL", "IP Addresses", and "Protocol and Ports". The "IP Addresses" tab is selected. The dialog contains the following text and controls:

Specify the source and destination IP addresses.
A QoS policy can be applied to outbound traffic that is from a source or to a destination IP (IPv4 or IPv6) address or prefix. For HTTP response traffic, the destination IP address or prefix denotes the client(s) that issued the HTTP request.

This QoS policy applies to:

Any source IP address

Only for the following source IP address or prefix:

[Empty text input field]

This QoS policy applies to:

Any destination IP address

Only for the following destination IP address or prefix:

[Empty text input field]

Example for a host address: 1.2.3.4 or 3ffe:ffff::1
Example for an address prefix: 192.168.1.0/24 or fe80::1234/48

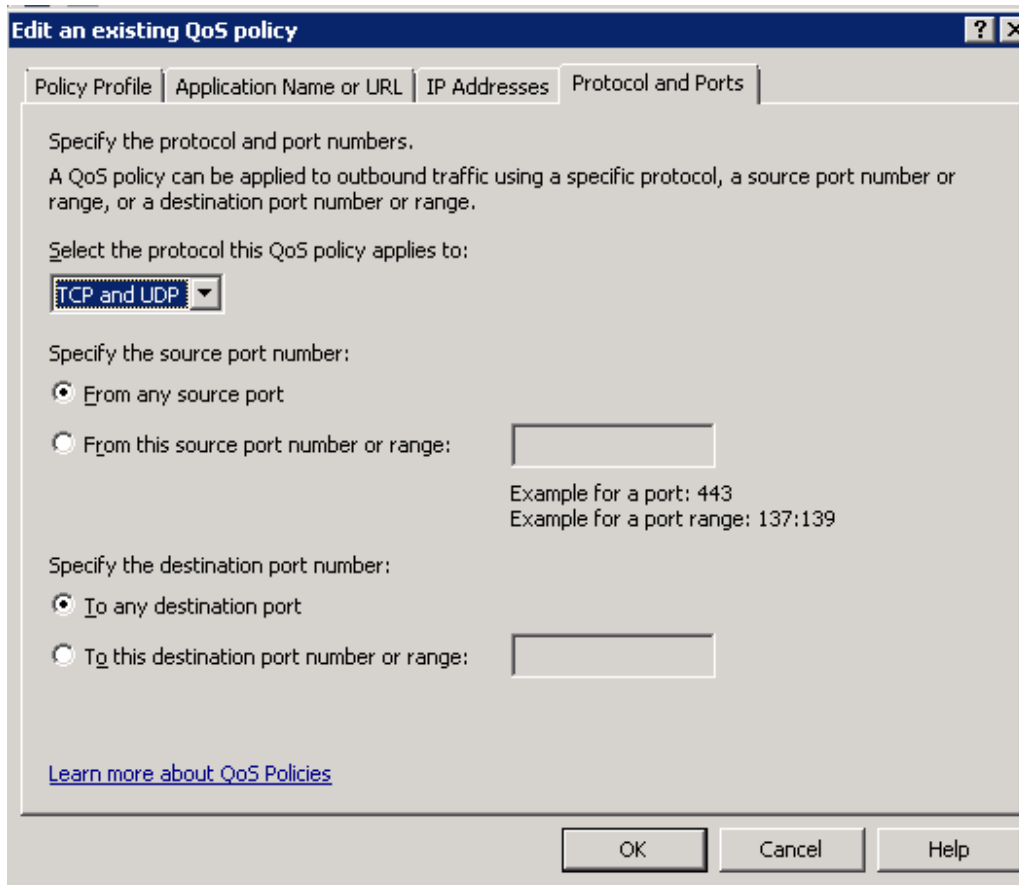
[Learn more about QoS Policies](#)

At the bottom right, there are three buttons: "OK", "Cancel", and "Help".

9. Click the **Any source IP address** option (specifying that the calls' Source IP address can be any address).
10. Click the **Any destination IP address** option (specifying that the calls' Destination IP address can be any address).

11. Click the **Protocol and Ports** tab. The following screen is displayed:

Figure 2-5: Edit an Existing QoS Policy- Protocols and Ports



The screenshot shows a dialog box titled "Edit an existing QoS policy" with a tabbed interface. The "Protocol and Ports" tab is selected. The dialog contains the following elements:

- Instruction: "Specify the protocol and port numbers. A QoS policy can be applied to outbound traffic using a specific protocol, a source port number or range, or a destination port number or range."
- Label: "Select the protocol this QoS policy applies to:"
- Dropdown menu: "TCP and UDP" (selected)
- Section: "Specify the source port number:"
 - Radio button (selected): "From any source port"
 - Radio button: "From this source port number or range:" followed by an empty text input field.
- Text: "Example for a port: 443" and "Example for a port range: 137:139"
- Section: "Specify the destination port number:"
 - Radio button (selected): "To any destination port"
 - Radio button: "To this destination port number or range:" followed by an empty text input field.
- Link: "[Learn more about QoS Policies](#)"
- Buttons: "OK", "Cancel", and "Help"

12. From the 'Select the protocol this QoS policy applies to' drop-down list, select **TCP and UDP** as the protocol to which this QoS policy applies.
13. Click the **From any source port** option as the source port number.
14. Click the **To any destination port number option** as the destination port number.
15. Click **OK**.

Reader's Notes



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