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SonicWALL Configuration on a Comcast Network for VoxEdge

Step 1:

Ensure that the Comcast cable modem is a non VoIP device. If the device has FXO ports, the device will need to be changed.

Step 2:

Place the Comcast in "True Bridge Mode". This requires a call to Comcast tech support. If the technician tries to have you log in to the router and make the changes, call again until you get a technician that knows how to make the change on the Comcast side. Once the modem is placed in True Bridge mode, you will not be able to ping the LAN side of the router.

Note: Configuring the modem in True Bridge Mode, ensure that the NAT will be only done on the SonicWALL only.

Step 3:

Configure the SonicWALL's WAN and ensure that the network is working properly.

Step 4:

Check if IPS is enabled in 2 places

-Network → Zones → WAN zone and hit configure. "Enable IPS"

-Security Services → Intrusion Prevention and **uncheck** the "enable IPS"

If either is enable, please contact VoxEdge before continuing.

Step 5:

Create a new Address Object (not Address Group):

162.252.248.0/22 - the subnet mask of /22 is 255.255.252.0

Name the Address Object (in this example, "VoxEdge_VOIP_Server")



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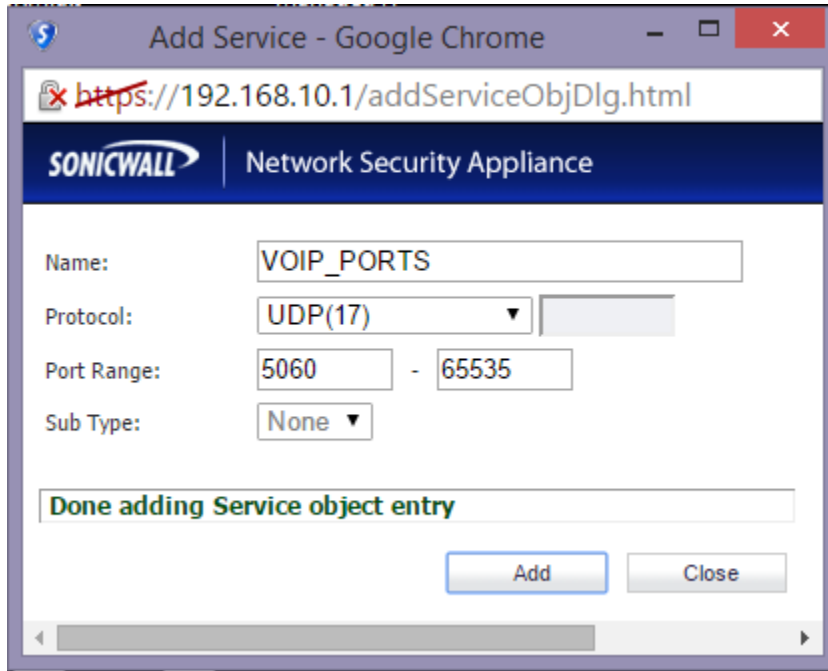
A screenshot of a web browser window titled "Add Address Object - Google Chrome". The address bar shows the URL "https://192.168.10.1/addNetObjDlg.html". The page header includes the SonicWall logo and the text "Network Security Appliance". The main content area contains a form with the following fields:

- Name:
- Zone Assignment:
- Type:
- Network:
- Netmask:

Below the form is a status bar that says "Ready". At the bottom right of the form are two buttons: "Add" and "Close".

Step 6:

- Create a new Service Object (not service group):
- Enable ports 5060 - 65535 of UDP traffic
- Name the Service Object (in this example, "VOIP_PORTS")



Step 7:

Create 2 Firewall Access Rules:

From LAN to WAN

Source - Any

Destination - VoxEdge_VOIP_Server

Service - VOIP_PORTS

Allow

Advanced Tab - Set UDP Timeout to 3600 seconds



The screenshot shows the 'Edit Rule' configuration page in a Google Chrome browser. The URL is <https://192.168.10.1/addRuleDlg.html?objTypes=63>. The page title is 'Edit Rule - Google Chrome'. The SonicWall logo and 'Network Security Appliance' are visible at the top. Below the logo are four tabs: 'General', 'Advanced', 'QoS', and 'Ethernet BWM'. The 'General' tab is selected. Under the 'Settings' section, the following options are visible:

- Action: Allow Deny Discard
- From Zone:
- To Zone:
- Service:
- Source:
- Destination:
- Users Allowed:
- Schedule:
- Comment:
- Enable Logging
- Allow Fragmented Packets
- Enable packet monitor

At the bottom of the page, there is a 'Ready' status bar and three buttons: 'OK', 'Cancel', and 'Help'.

From WAN to LAN
Source - VoxEdge_VOIP_Server
Destination - Any
Service - VOIP_PORTS



Allow

Advanced Tab - Set UDP Timeout to 3600 seconds

Add Rule - Google Chrome

<https://192.168.10.1/addRuleDlg.html?objTypes=63#>

SONICWALL | Network Security Appliance

General Advanced QoS Ethernet BWM

Settings

Action: Allow Deny Discard

From Zone: WAN

To Zone: LAN

Service: VOIP_PORTS

Source: VoxEdge_VOIP_Server

Destination: Any

Users Allowed: All

Schedule: Always on

Comment:

Enable Logging

Allow Fragmented Packets

Enable packet monitor

Rule action done, please check rule table

Add Close Help