VoxEdge LLC
8 S. Forklanding Road
Maple Shade, NJ 08052
856.382.8100
www.VoxEdge.com

SonicWALL Configuration for VoxEdge

Step 1:

Confirm with your ISP that their equipment does not have NAT enabled. Ensure that the NAT will be only done on the SonicWALL only.

Step 2:

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

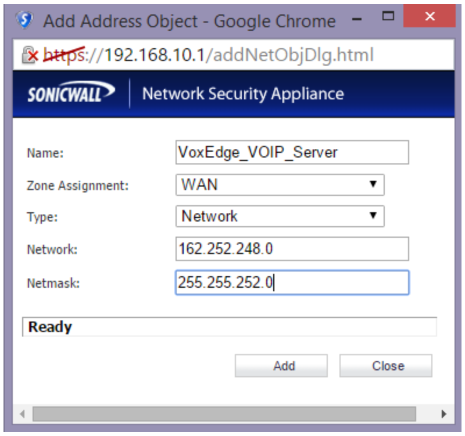
Step 3:

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 4:

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")

23.253.155.190/32 - the subnet mask of /32 is 255.255.255.255
Name the Address Object (in this example, "Provisioning_server")



Add Address Object - Google Chrome

~~https~~://192.168.10.1/addNetObjDlg.html

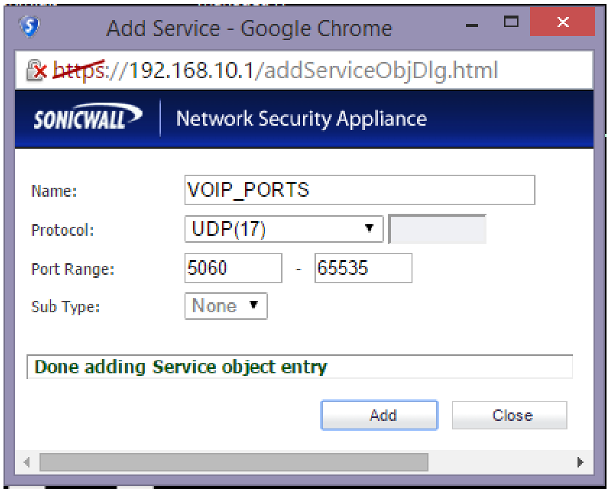
SONICWALL Network Security Appliance

Name:	VoxEdge_VOIP_Server
Zone Assignment:	WAN
Type:	Network
Network:	162.252.248.0
Netmask:	255.255.252.0

Ready

Step 5:

Create a new Service Object (not service group):
Enable ports 21, 22, 5060, 7000, and 16384 - 32768 for UDP traffic
Name the Service Object (in this example, "VOIP_PORTS")
Enable ports 21 and 22 for TCP traffic
Name the Service Object (in this example, "Device_provisioning")



Add Service - Google Chrome

~~https~~://192.168.10.1/addServiceObjDlg.html

SONICWALL Network Security Appliance

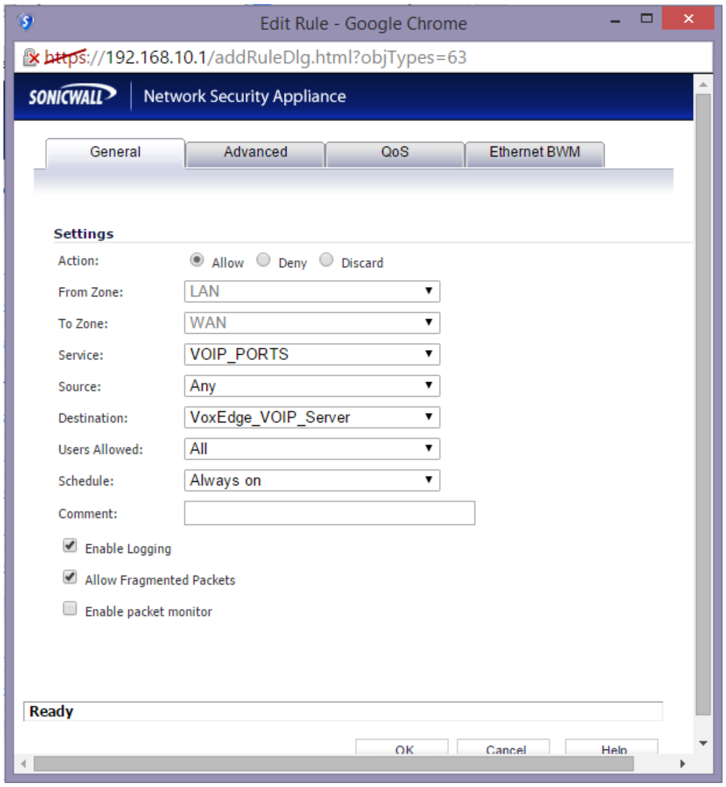
Name: VOIP_PORTS
Protocol: UDP(17)
Port Range: 5060 - 65535
Sub Type: None

Done adding Service object entry

Step 6:

Create 4 Firewall Access Rules:

<u>Access Rule 1:</u>
From LAN to WAN
Source - Any
Destination - VoxEdge_VOIP_Server
Service - VOIP_PORTS
Allow
Advanced Tab - Set UDP Timeout to 3600 seconds



~~https~~://192.168.10.1/addRuleDlg.html?objTypes=63

Settings

Action: ● Allow ○ Deny ○ Discard

From Zone: LAN

To Zone: WAN

Service: VOIP_PORTS

Source: Any

Destination: VoxEdge_VOIP_Server

Users Allowed: All

Schedule: Always on

Comment:

☑ Enable Logging

☑ Allow Fragmented Packets

☐ Enable packet monitor

Ready

<u>Access Rule 2:</u>

From WAN to LAN

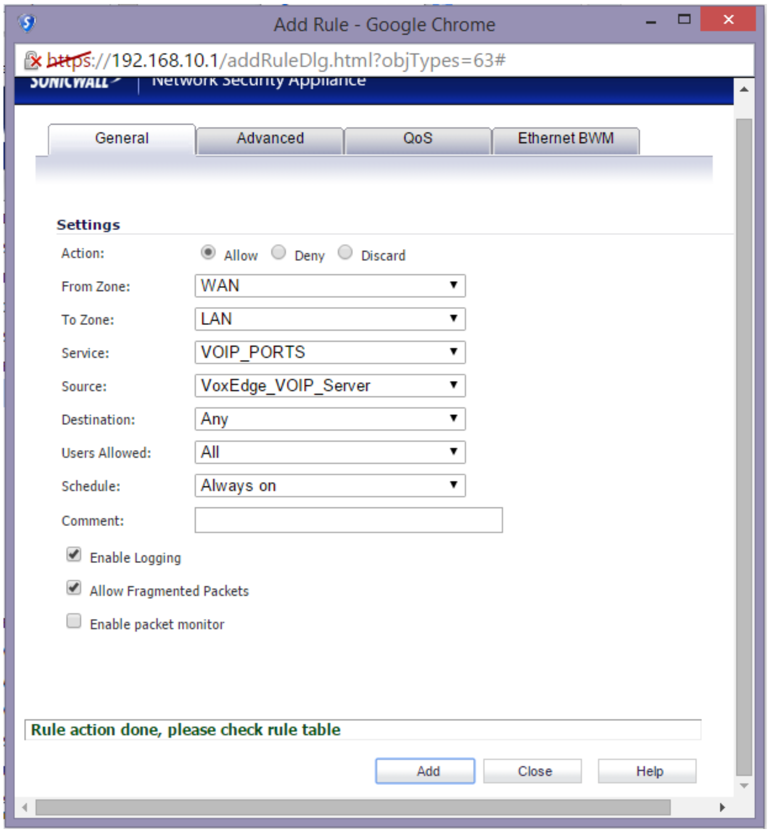
Source - VoxEdge_VOIP_Server

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

<u>Access Rule 3:</u>
From LAN to WAN
Source – Any
Destination - Provisioning_server
Service - Device_provisioning
Allow

<u>Access Rule 4:</u>
From WAN to LAN
Source - Provisioning_server
Destination – Any
Service - Device_provisioning
Allow