



SANGFOR

NGAF

Route Mode Deployment Guide

Version 8.0.5

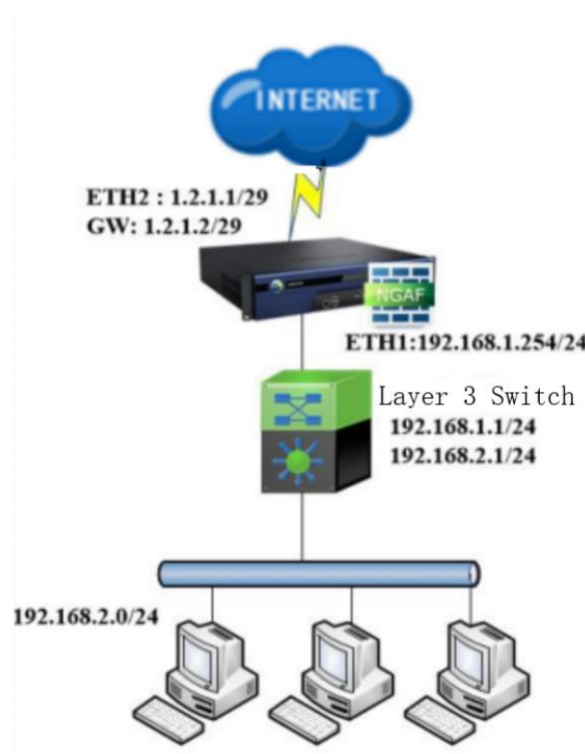
Change Log

Date	Change Description

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Chapter 1 Applicable Scenario



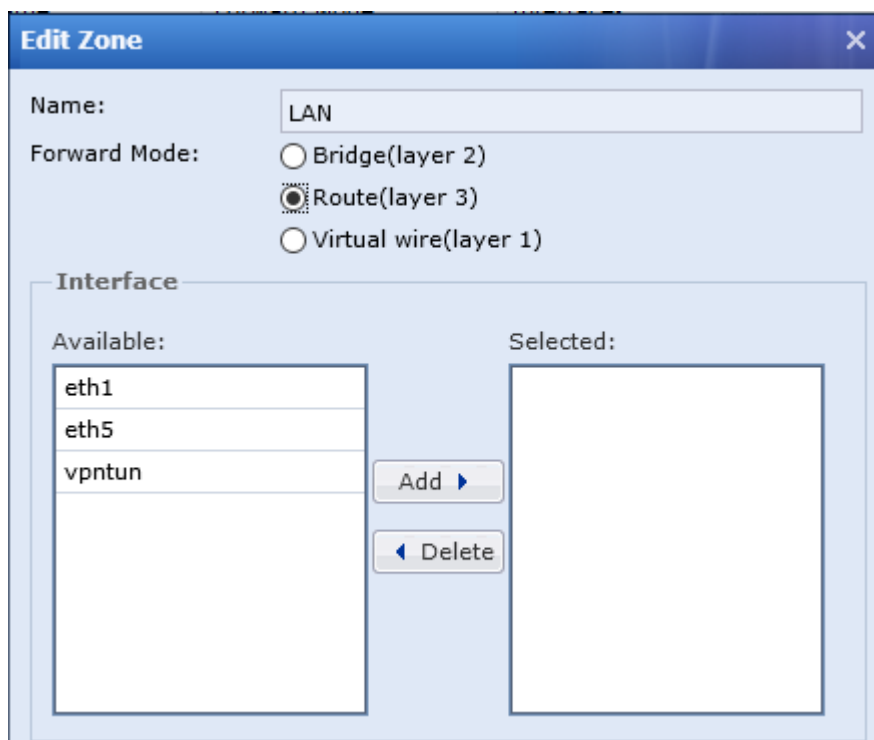
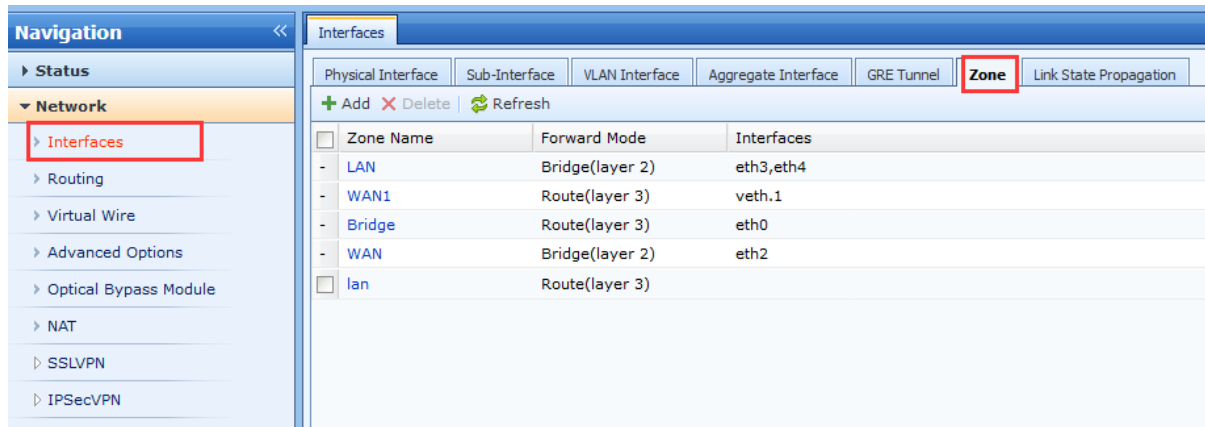
This deployment is suit on those environments which require Sangfor NGAF to be their gateway or router.

Chapter 2 Configuration Steps

2.1 Configure Interfaces and Zone

1. Interface / Zone Configuration:

Modify "Network"—>"Zone or Interface"—>"Add" to add or modify the zone and interface configuration.



Edit Zone [X]

Name:

Forward Mode: ☐ Bridge(layer 2)
☒ Route(layer 3)
☐ Virtual wire(layer 1)

Interface

Available:		Selected:
eth1	Add ► Delete ◀	
eth5		
vpntun		

Name: WAN / LAN

Forward Mode: Route (Layer 3)

2. Modify "Network"—>"Zone or Interface"—>"Add" to add or modify the zone and interface configuration

Configure eth 1 as LAN interface, make it pingable and assign an IP for it.

The screenshot shows the 'Edit Physical Interface' window for interface 'eth1'. The 'Enable' checkbox is checked. The 'Name' is 'eth1'. The 'Description' is empty. The 'Type' is 'Route(layer 3)'. The 'Added To Zone' is 'lan'. Under 'Basic Attributes', 'Pingable' is checked, 'WAN attribute' is unchecked, and 'IPSec VPN outgoing line' is 'Line 1'. The 'IPv4' tab is selected, showing 'Static' as the configuration type. The 'Static IP' is '192.168.1.254/24' and the 'Next-Hop IP' is empty.

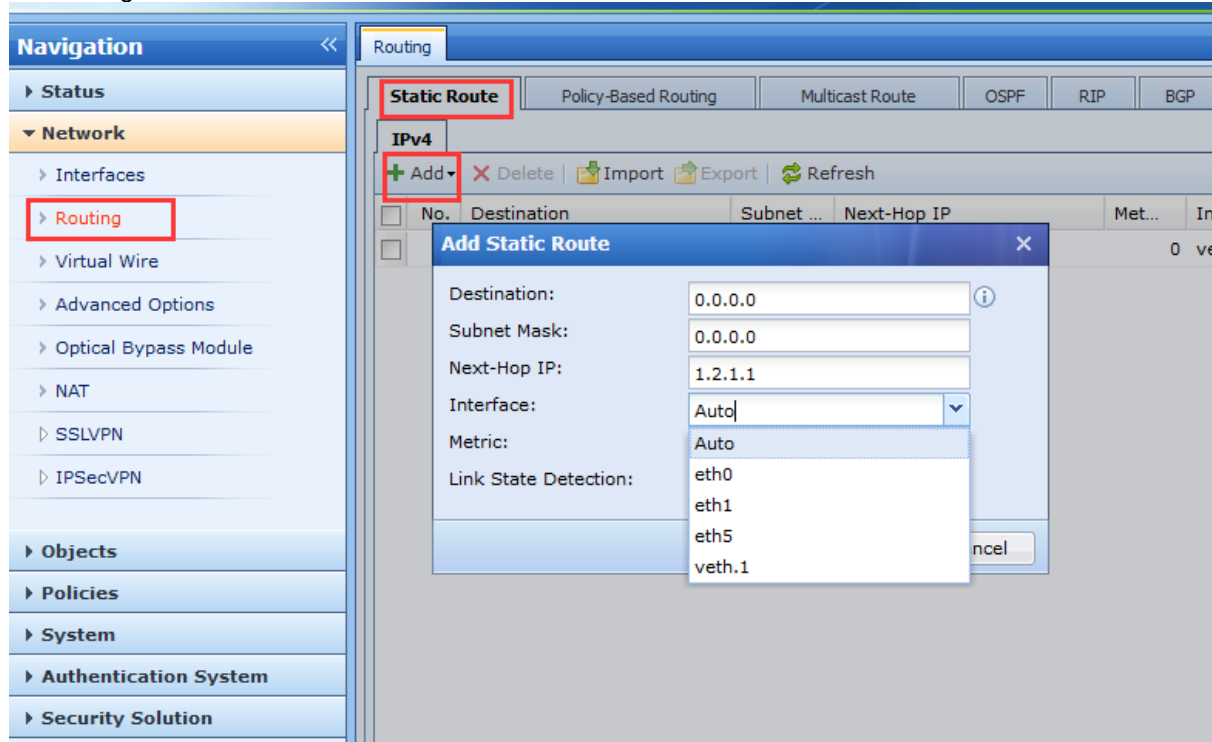
Configure eth 2 as WAN interface, make it pingable, WAN attribute and assign an IP for it.

The screenshot shows the 'Edit Physical Interface' window for interface 'eth2'. The 'Enable' checkbox is checked. The 'Name' is 'eth2'. The 'Description' is 'abc'. The 'Type' is 'Route(layer 3)'. The 'Added To Zone' is 'lan'. Under 'Basic Attributes', 'Pingable' and 'WAN attribute' are checked, and 'IPSec VPN outgoing line' is 'Line 1'. The 'IPv4' tab is selected, showing 'Static' as the configuration type. The 'Static IP' is '1.2.1.1/29' and the 'Next-Hop IP' is '1.2.1.2'.

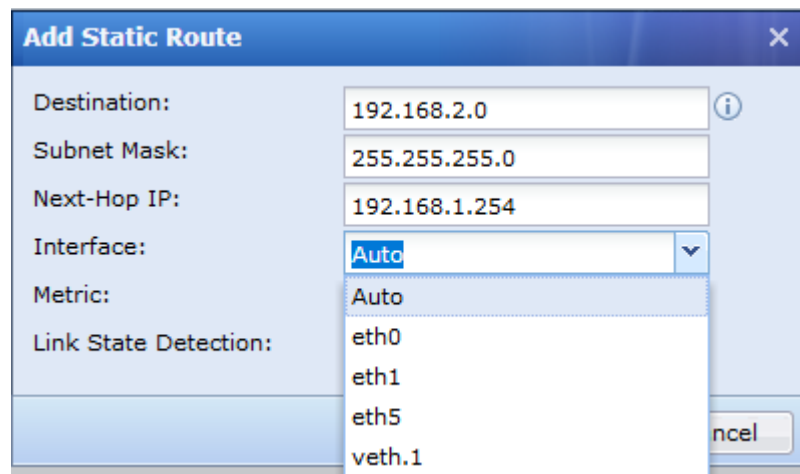
2.2 Configure Route

Default Route

1. Configure "Network" → "Route" → "Static Route" → "Add" → "Static Route",



Static Route for Packets coming back



2.3 NAT Configuration

1. Configure “Firewall”→”NAT”→”Add”→”SNAT”. As image shown below:

The screenshot shows the 'Add Source NAT Rule' configuration window. It includes the following fields and options:

- Enable:** A checked checkbox.
- Name:** A text field containing 'Proxy'.
- Description:** An empty text field.
- Move To:** A dropdown menu showing 'above entry No.' and a numeric field with '1'.
- Source:**
 - Zone:** A dropdown menu showing 'lan'.
 - Network Objects:** A dropdown menu showing 'All'.
- Destination:**
 - Zone/Interface:** Radio buttons for 'Zone' (selected) and 'Interface'. Below 'Zone' is a dropdown menu showing 'WAN1'. Below 'Interface' is a dropdown menu showing 'eth0'.
 - Network Objects:** A dropdown menu showing 'All'.
- Protocol:** A section with the text 'Configure protocol and port' and a 'Settings' button.
- Source Translation:**
 - To:** A dropdown menu showing 'IP Address'.
 - IP Address:** A text field containing '1.2.1.2'.

At the bottom of the window are three buttons: 'Save and Add', 'OK', and 'Cancel'.

2.4 Access Control


Edit Application Control Policy


☒ Enable


Name:


Group:

Source


Network Objects/Users: ☒ Network Objects 


☐ User/Group 

Zone: 


Port: ☒ All ☐ Specified Port 


Destination


Network Objects: 

Zone: 

Service/Application

Service/Application: ☒ Service 

☐ Application 

Schedule: 

Action: ☒ Allow ☐ Deny

Advanced Settings: [Settings](#)

Remark:

Attention: Default Access Control policy will deny all the service by default and user need to configure manually to allow the service. User can configure other policy based on their needs as well.



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