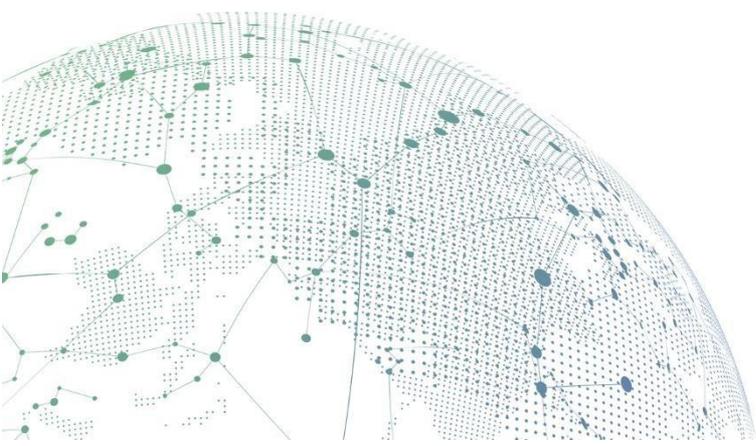


# NGAF

## Sangfor VPN Configuration Guide



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## Change Log

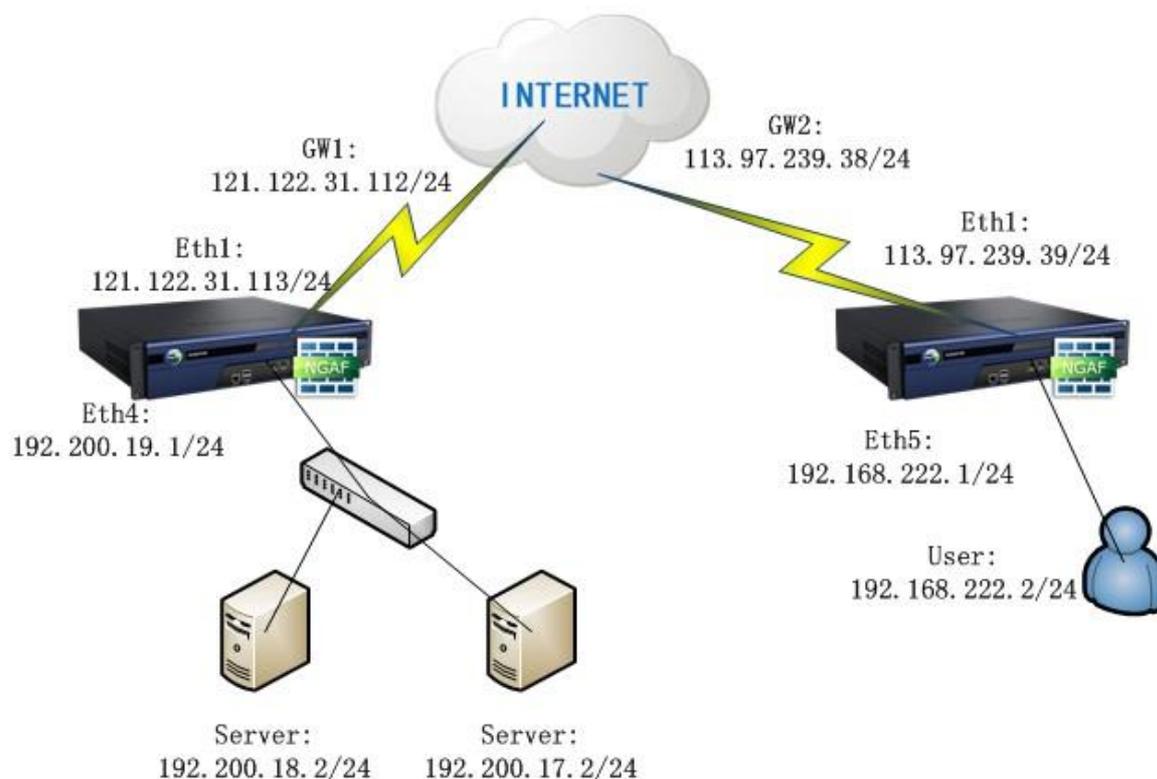
Date	Change Description
Jun 16, 2021	Version 8.0.35 document release.

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# Chapter 1 Network Topology

One customer has two sites, they want to use Sangfor NGAF build VPN tunnel between HQ and branch.



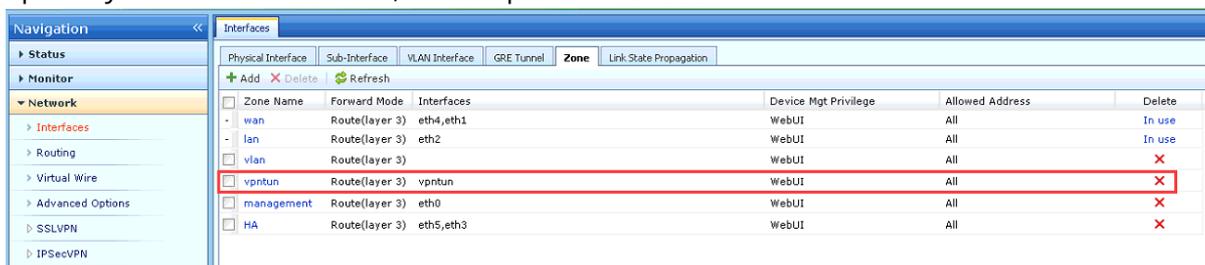
# Chapter 2 NGAF Configuration

## 2.1 Version 8.0.26

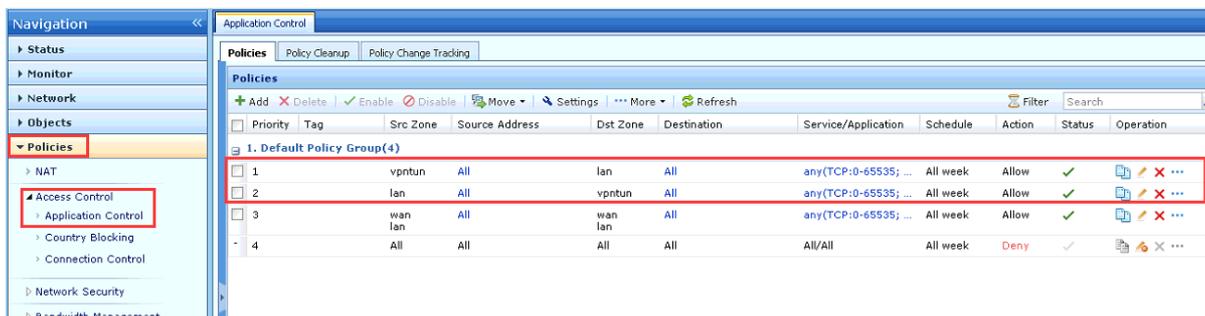
### 2.1.1 HQ NGAF Configuration

1. Configure interface and zone.

Specially build a zone for VPN, chose vpntun interface.



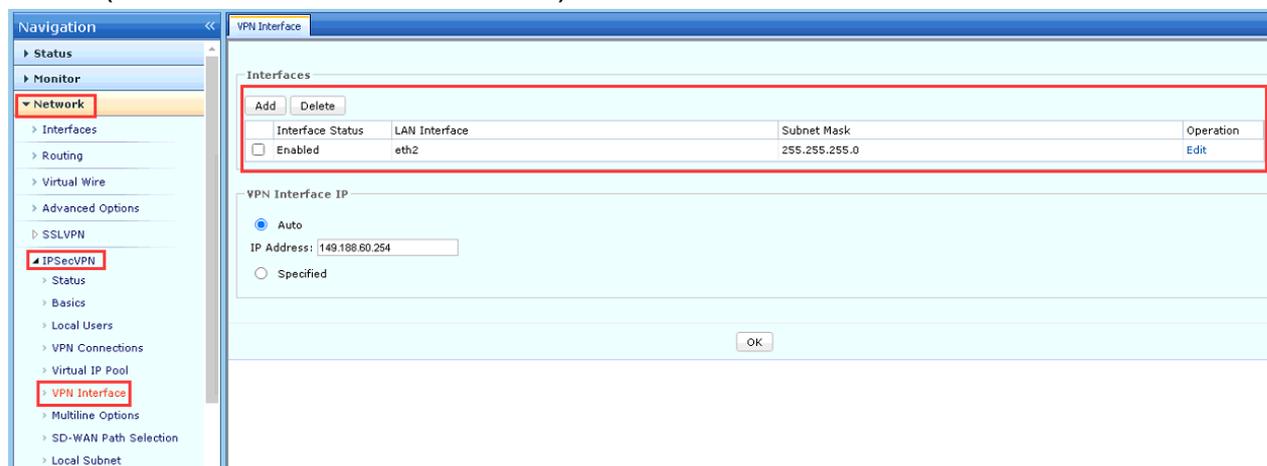
2. Allow traffic in Access control from VPN zone to Server zone and Server zone to VPNzone.



3. Build VPN interface.

This step used to notice other side that HQ has a subnet 192.200.19.0/24

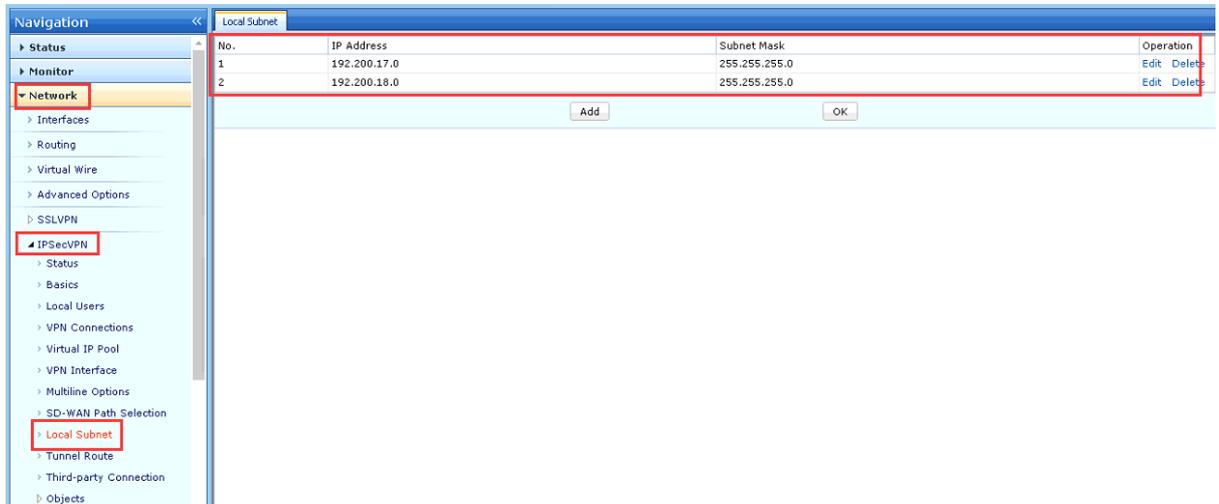
(Add all NGAF LAN interface to this)



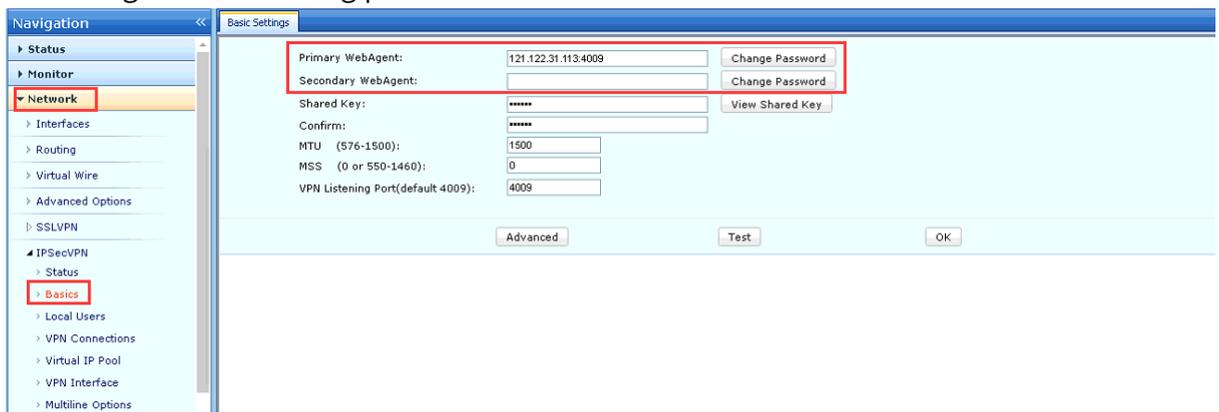
4. Add local subnet.

This step used to notice other side that HQ also has 192.200.17.0/24 and 192.200.19.18.0/24 which are not directly configure on NGAF Lan port.

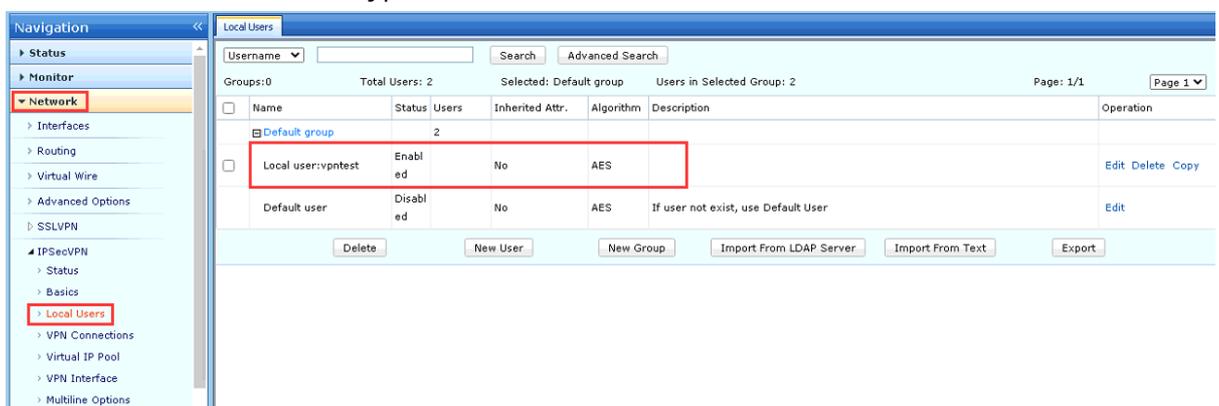
(Don't need to add NGAF interface subnet to local subnet)



### 5. Set webagent and listening port



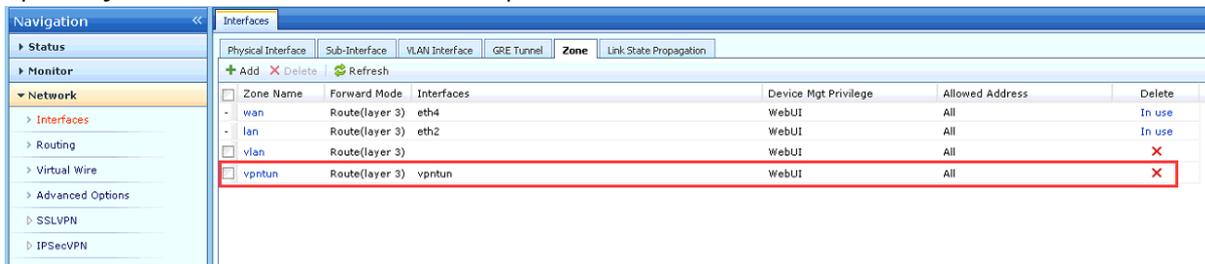
### 6. Create a branch user, user type: branch user



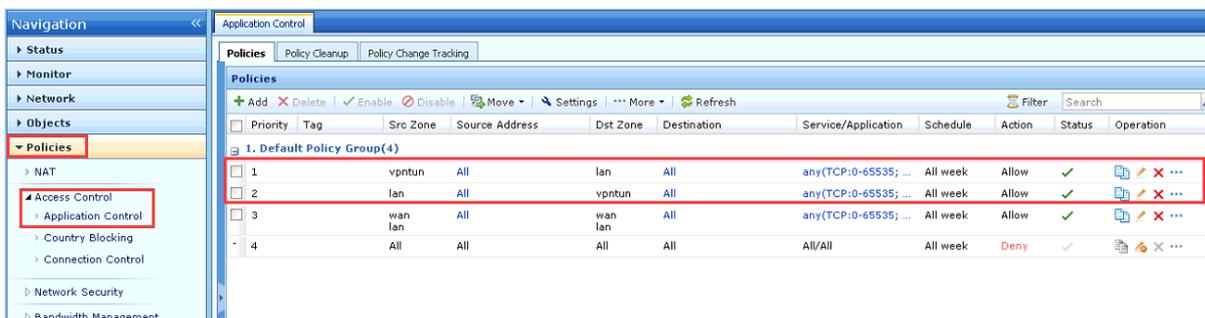
## 2.1.2 Branch NGAF Configuration

1. Configure interface and zone.

Specially build a zone for VPN, chose vpntun interface.

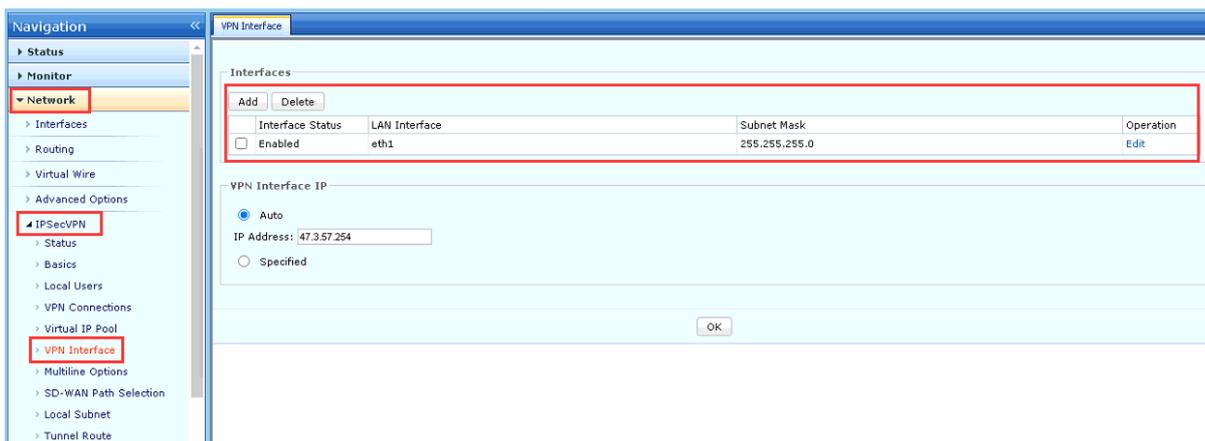


2. Allow traffic in Access control from VPN zone to Server zone and Server zone to VPNzone.

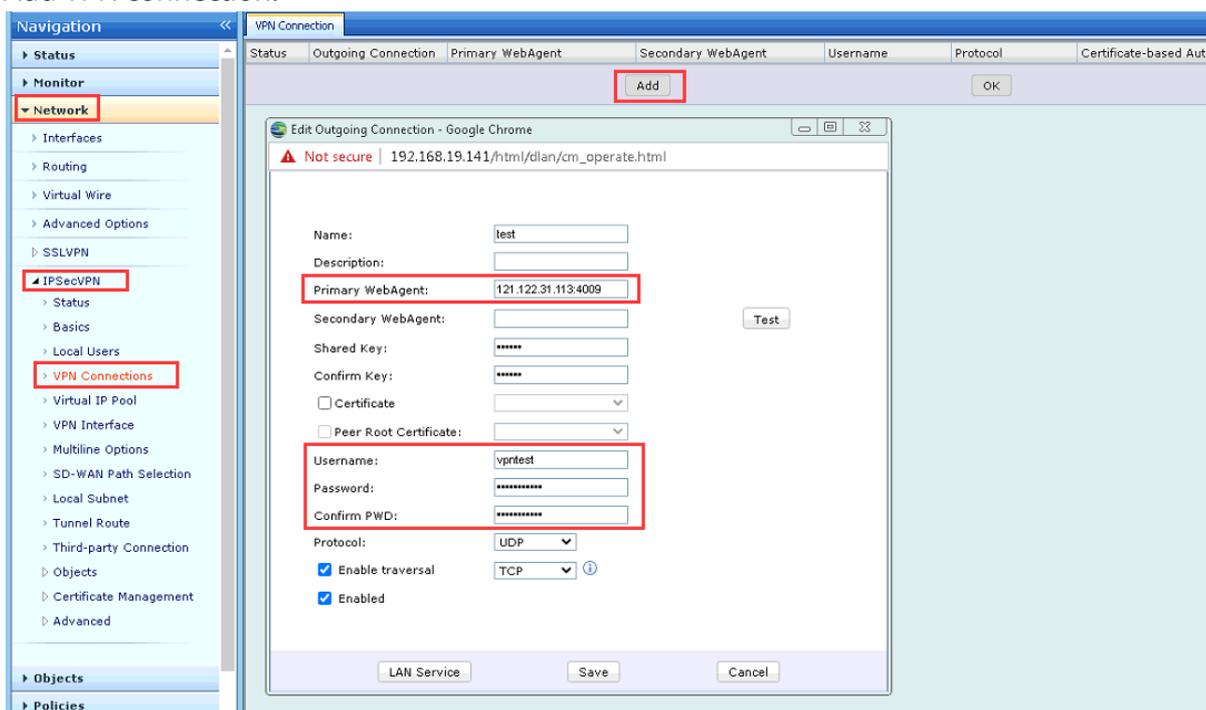


3. Build VPN LAN interface.

This step used to notice other side that HQ has a local subnet 192.200.19.0/24 (Add all NGAF LAN interface to this)



4. Add VPN connection.



### 2.1.3 Verify the connection

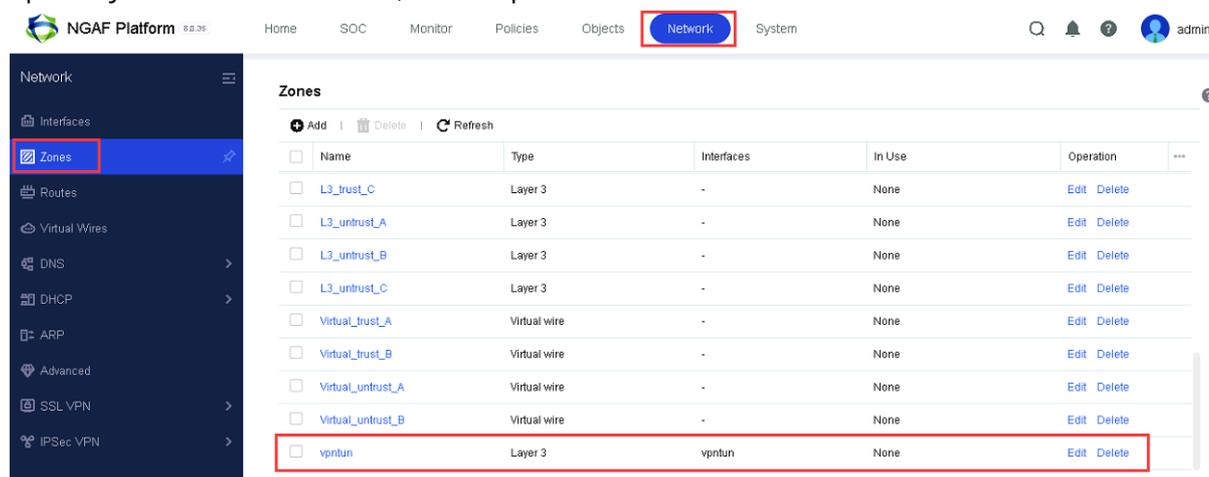
You can verify the connection by navigating to **Network > IPsec VPN > Status**.

## 2.2 Version 8.0.35

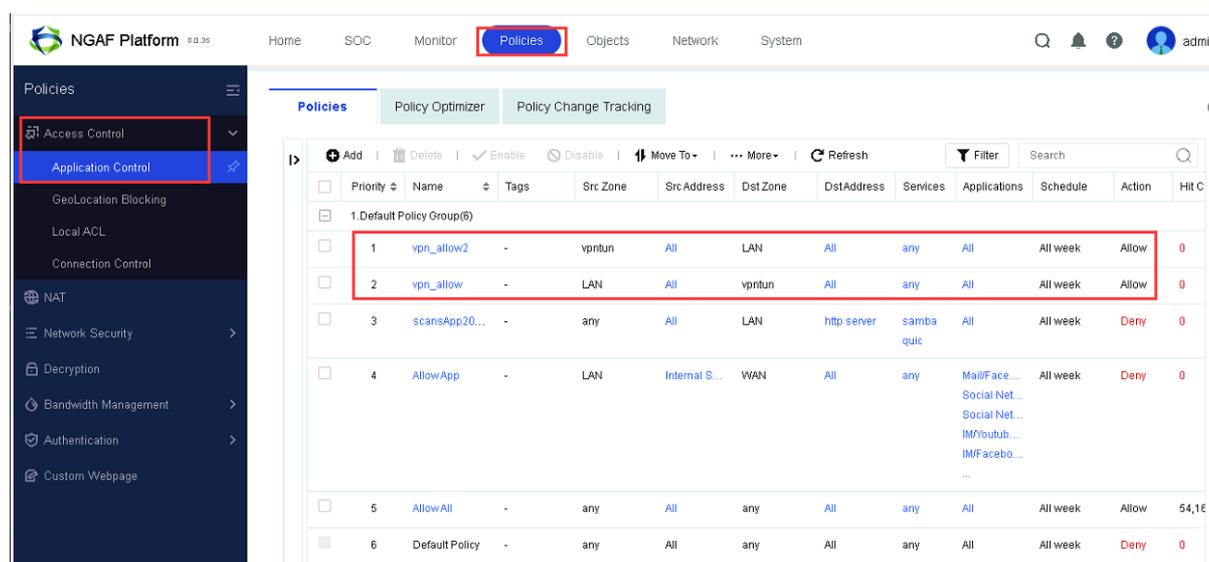
### 2.2.1HQ NGAF Configuration

1. Configure interface and zone.

Specially build a zone for VPN, chose vpngun interface.



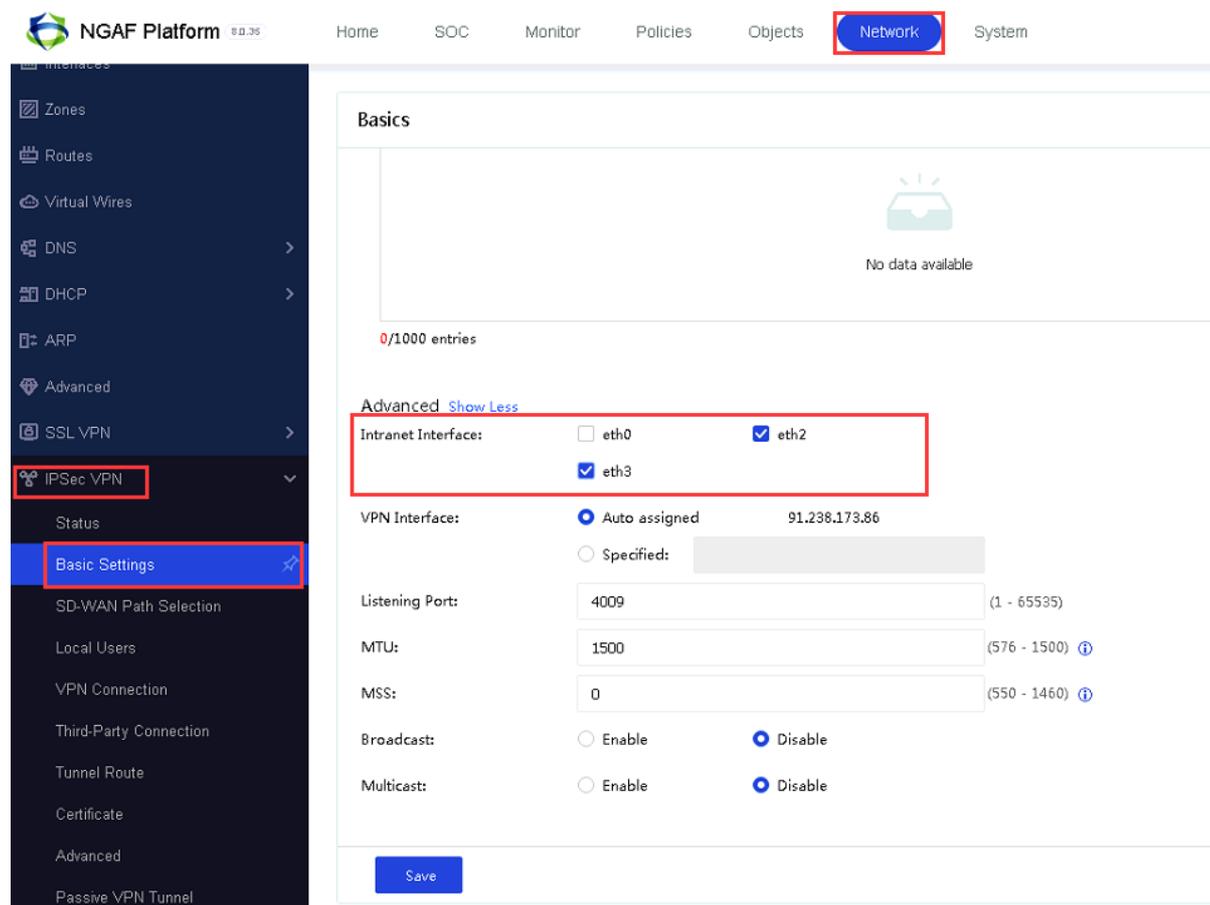
2. Allow traffic in Access control from VPN zone to Server zone and Server zone to VPNzone.



### 3. Build VPN interface.

This step used to notice other side that HQ has a subnet 192.200.19.0/24

(Add all NGAF LAN interface to this)



#### 4. Add local subnet.

This step used to notice other side that HQ also has 192.200.17.0/24 and 192.200.19.18.0/24 which are not directly configure on NGAF Lan port.

(Don't need to add NGAF interface subnet to local subnet)

The screenshot shows the NGAF Platform interface. The left sidebar is expanded to 'IPSec VPN' and 'Basic Settings'. The main content area is titled 'Basics' and contains two sections: 'VPN Paths' and 'VPN Subnets'. The 'VPN Paths' section is currently empty, showing 'No data available'. The 'VPN Subnets' section contains a table with two entries:

Subnet	Netmask	Operation
<input type="checkbox"/> 192.200.17.0	24	<a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/> 192.200.18.0	24	<a href="#">Edit</a> <a href="#">Delete</a>

A 'Save' button is located at the bottom of the configuration area.

### 5. Set webagent and listening port

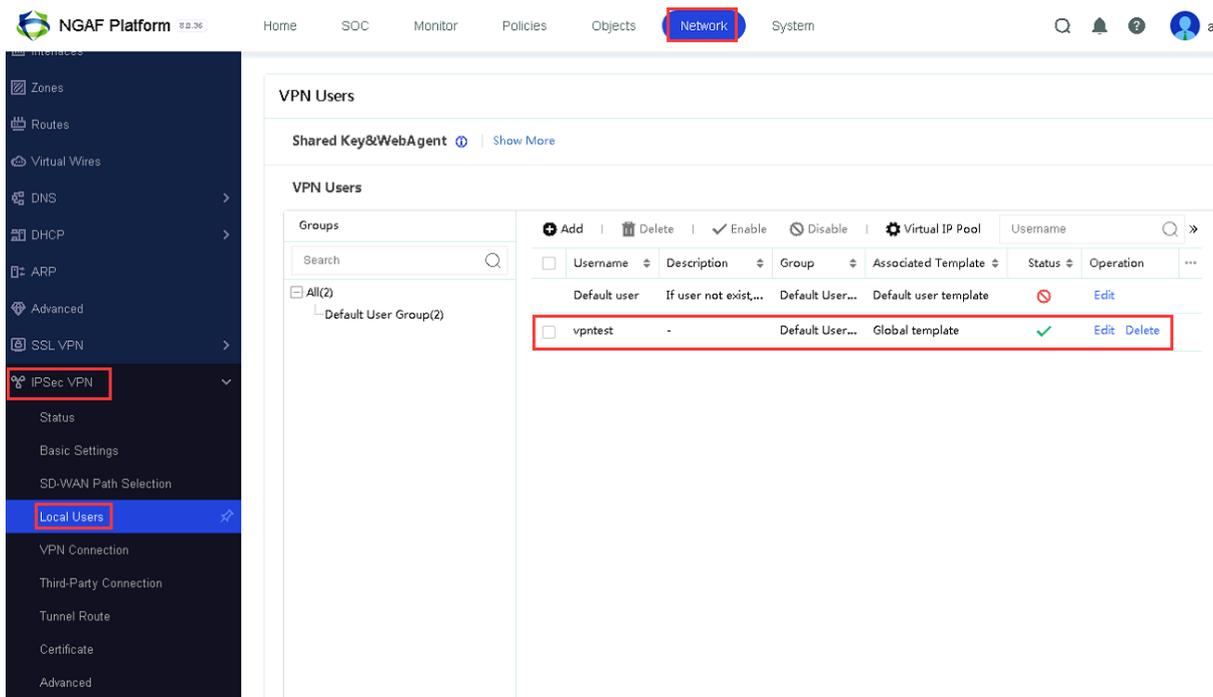
The top screenshot shows the 'VPN Users' configuration page. The 'Shared Key & WebAgent' section is highlighted in red. It contains the following fields:

- Shared Key: [Redacted]
- Primary WebAgent: 121.122.31.113:4009 [Change Password]
- Secondary WebAgent: [Redacted] [Change Password]
- Test WebAgent: [Redacted]

The bottom screenshot shows the 'Network' configuration page. The 'Basic Settings' section is highlighted in red. It contains the following fields:

- Intranet Interface:  eth0  eth2  eth3
- VPN Interface:  Auto assigned 91.238.173.86  Specified: [Redacted]
- Listening Port: 4009 (1 - 65535)
- MTU: 1500 (576 - 1500) ⓘ
- MSS: 0 (550 - 1460) ⓘ
- Broadcast:  Enable  Disable
- Multicast:  Enable  Disable

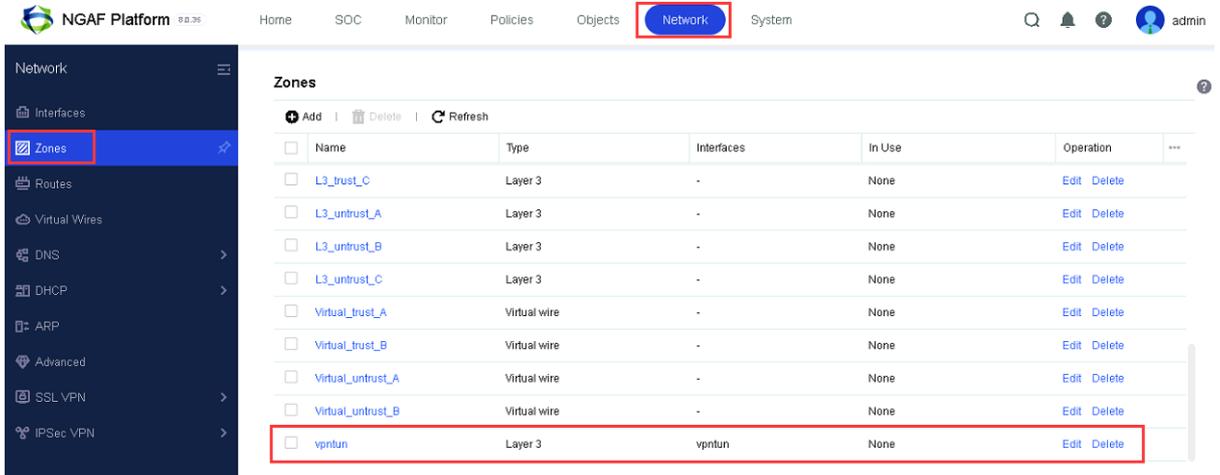
### 6. Create a branch user, user type: branch user



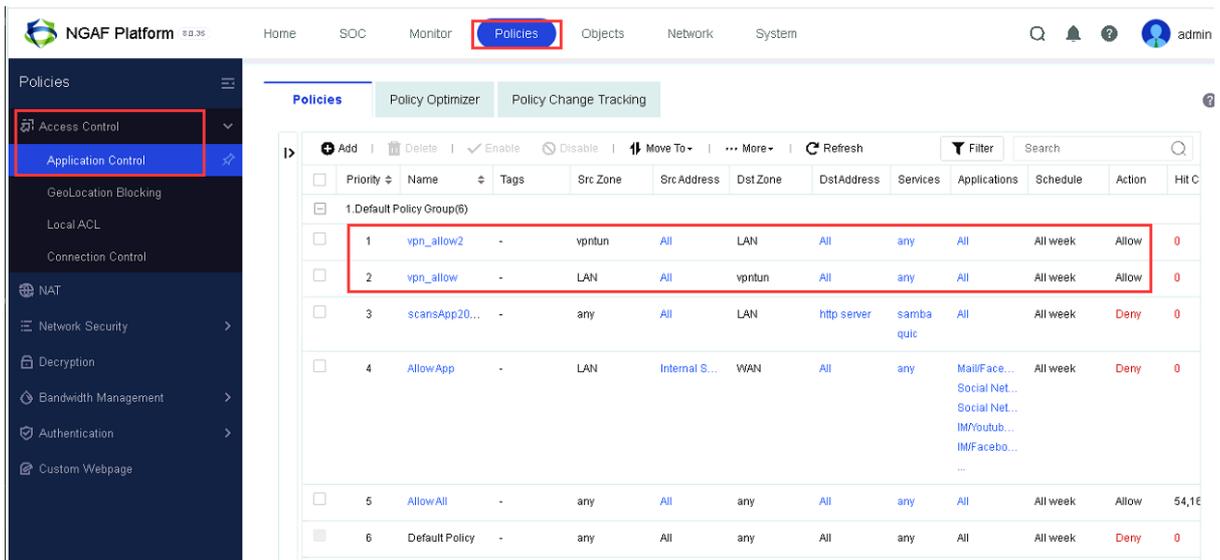
## 2.2.2 Branch NGAF Configuration

1. Configure interface and zone.

Specially build a zone for VPN, chose vpntun interface.

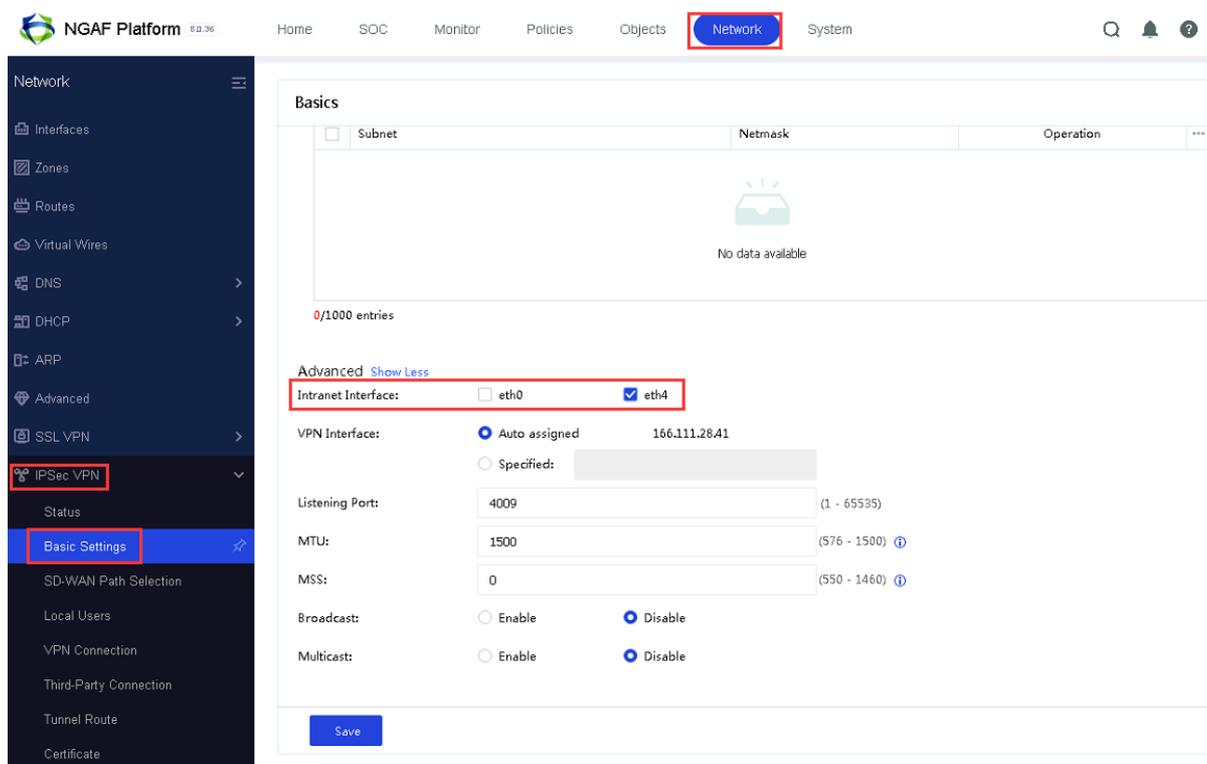


2. Allow traffic in Access control from VPN zone to Server zone and Server zone to VPNzone.

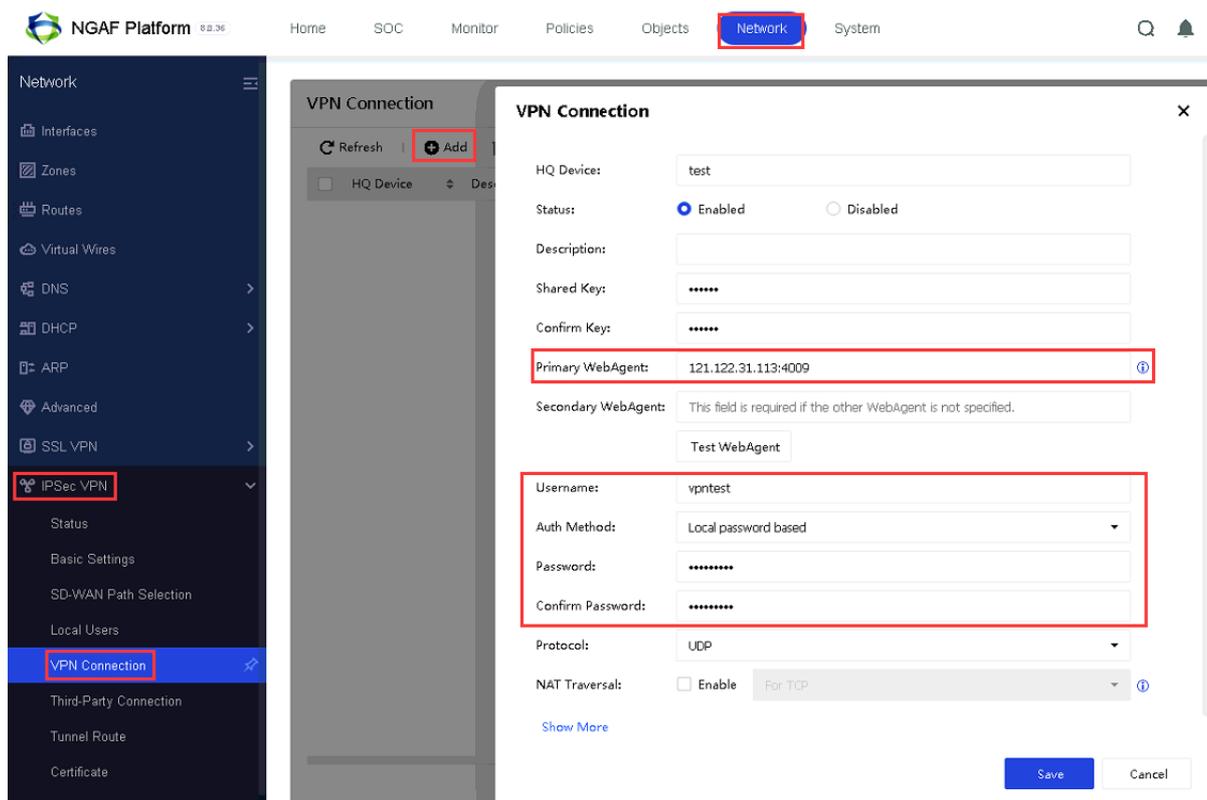


### 3. Build VPN LAN interface.

This step used to notice other side that HQ has a local subnet 192.200.19.0/24 (Add all NGAF LAN interface to this)



#### 4. Add VPN connection.



### 2.2.3 Verify the connection

You can verify the connection by navigating to **Network > IPsec VPN > Status**.



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