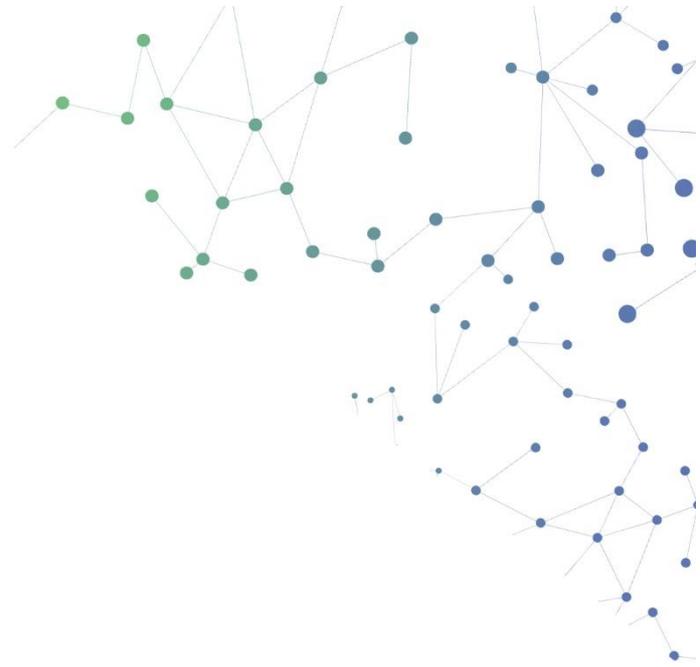




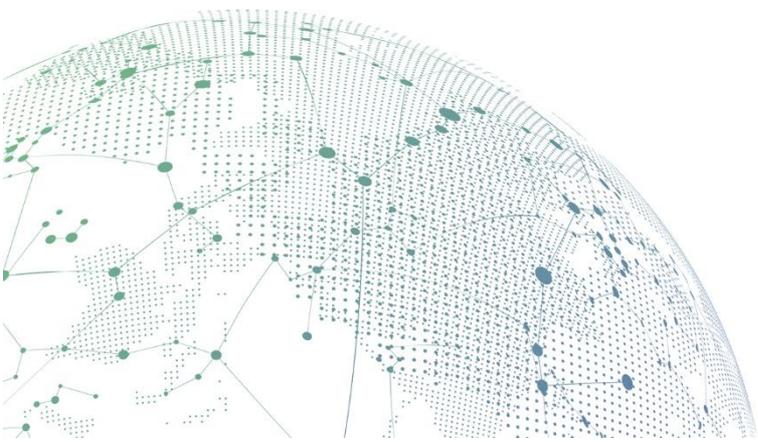
**SANGFOR**



# NGAF

## OSPF Configuration Guide

**Version 8.0.8**



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## Change Log

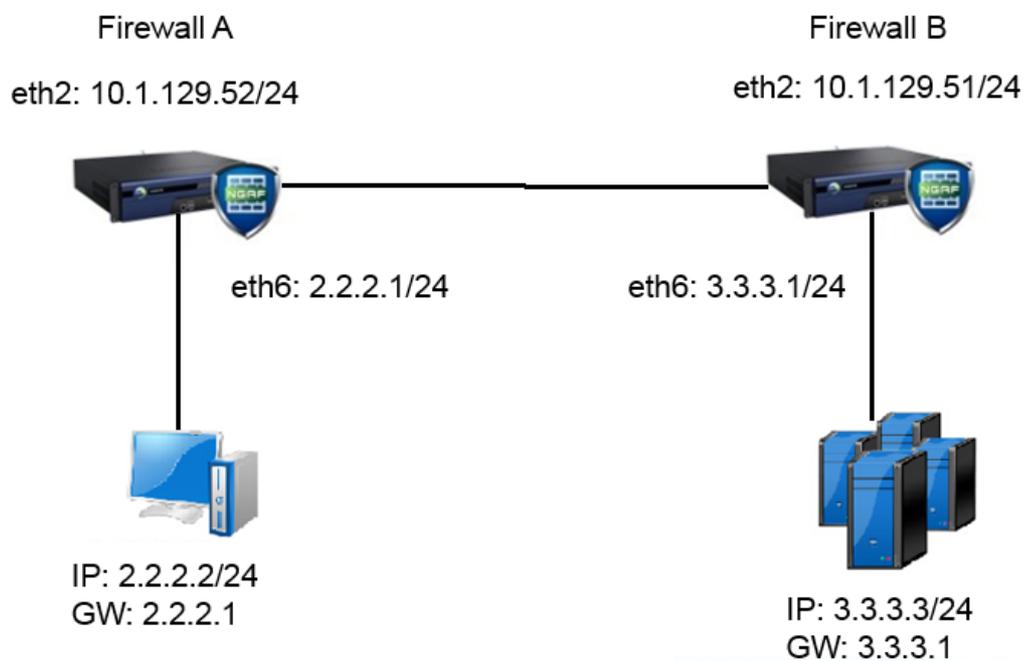
Date	Change Description
Nov 19,2019	OSPF Configuration Guide

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## Chapter 1 Application Scenario

Deployment of OSPF scenario, shown as the picture below:



Requirement:

1. The version of NGAF must be above 4.X, the recommended version will be the latest version.
2. NGAF is able to communicate with peer.

## Chapter 2 Configuration Method

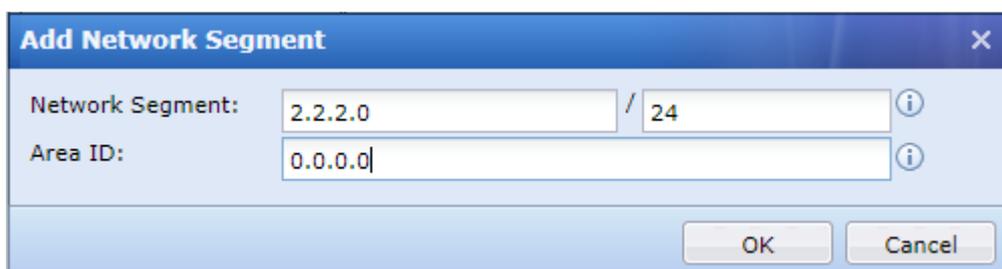
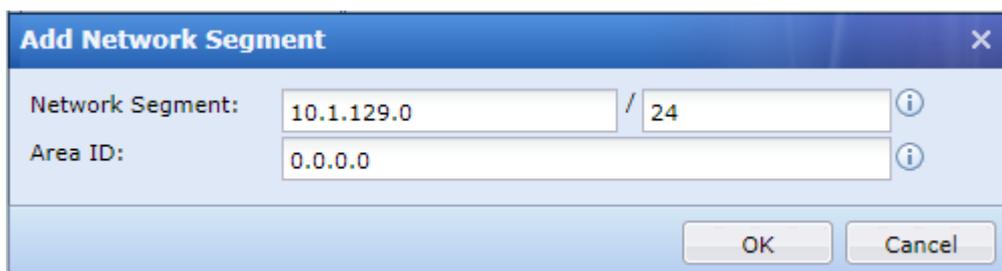
1. Basic network configuration: make sure the interface, default route and zone configuration is correct. Content security must be allowed. The details may refer to the following document below "SANGFOR\_NGAF\_V8.0.5\_Route-Mode-Deployment-Guide"

**Download link:** [http://community.sangfor.com/plugin.php?id=sangfor\\_databases:index&mod=viewdatabase&tid=975](http://community.sangfor.com/plugin.php?id=sangfor_databases:index&mod=viewdatabase&tid=975)

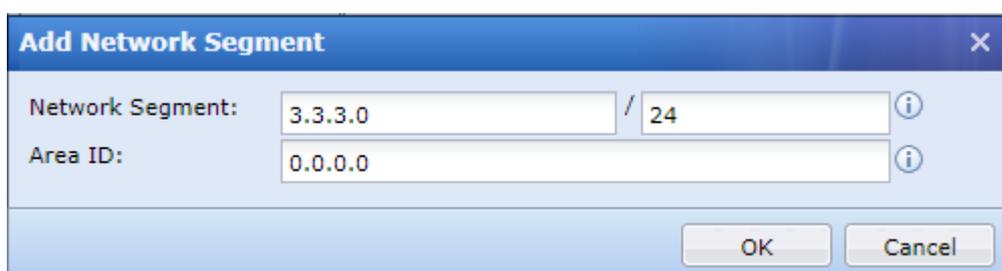
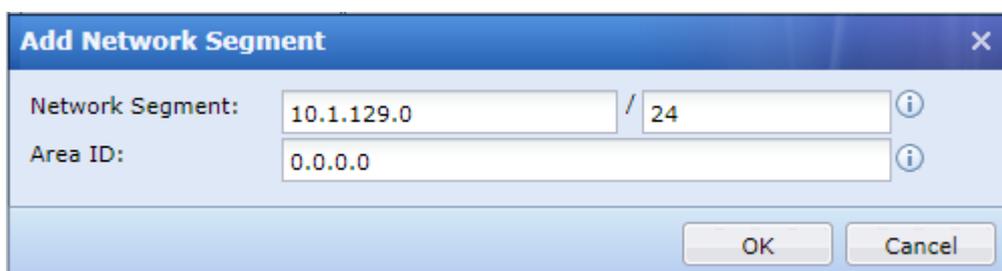
Note: Except address translation cannot be configured, other configuration may refer to the document.

2. After the basic network configuration has been done, go to **Network > Interface > OSPF** to configure OSPF, advertise WAN and LAN IP address, as shown:

**Firewall A:**

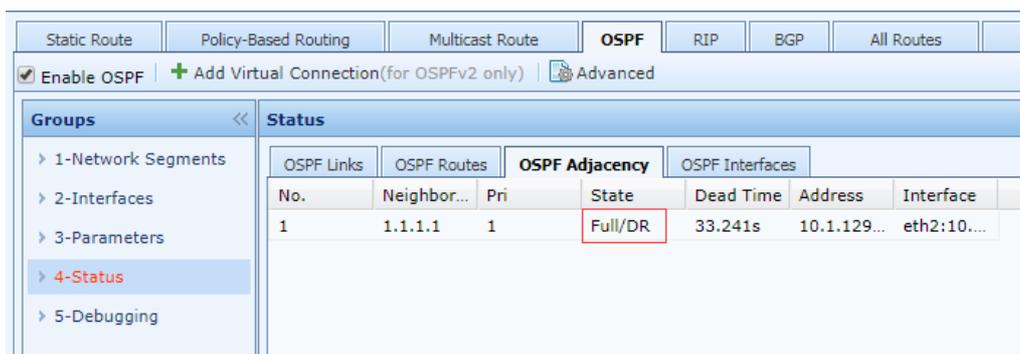


**Firewall B:**

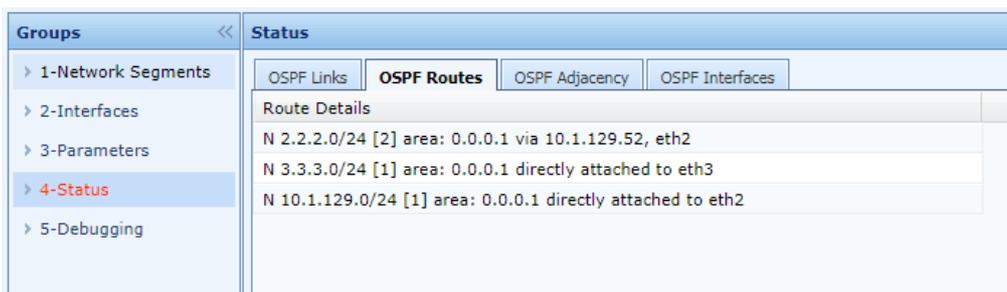


- The configuration of OSPF will be advertise to the corresponded network segment, then check **Network > Routing > OSPF**, then choose 4-Status > OSPF Adjacency. If it is success status will show as Full/DR, besides in 4-Status > OSPF Routes is able to see the route details, as shown in the figure below:

OSPF Adjacency:



OSPF Routes:



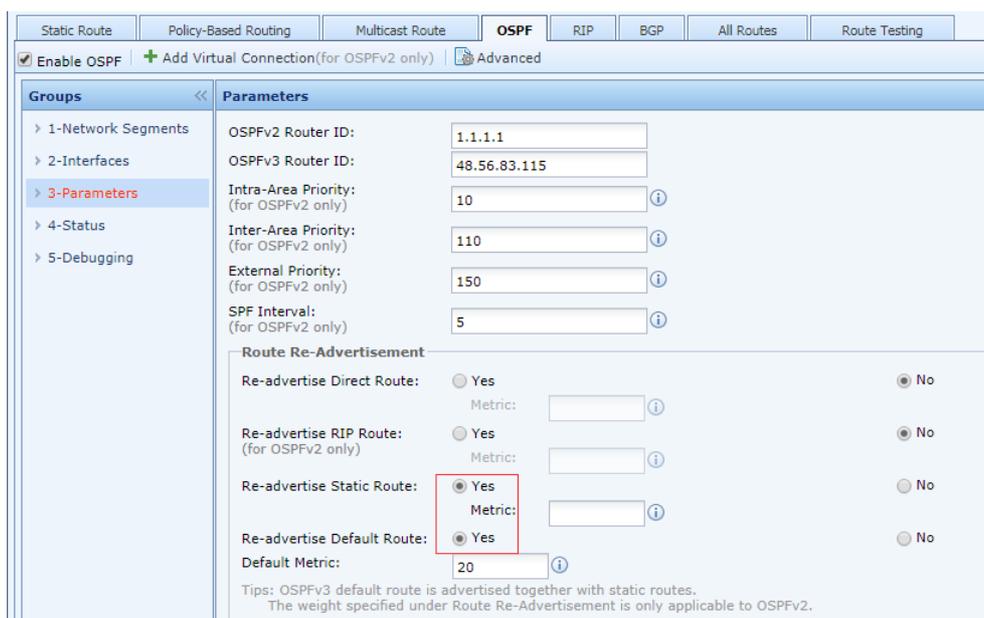
Note: The **OSPFv2 Router ID** should not be the same, in 3-Parameters then OSPFv2 Router ID to change to ID

- Need to configure a static route or default route, then advertise again the static route and default route in parameter configuration, as shown in below:

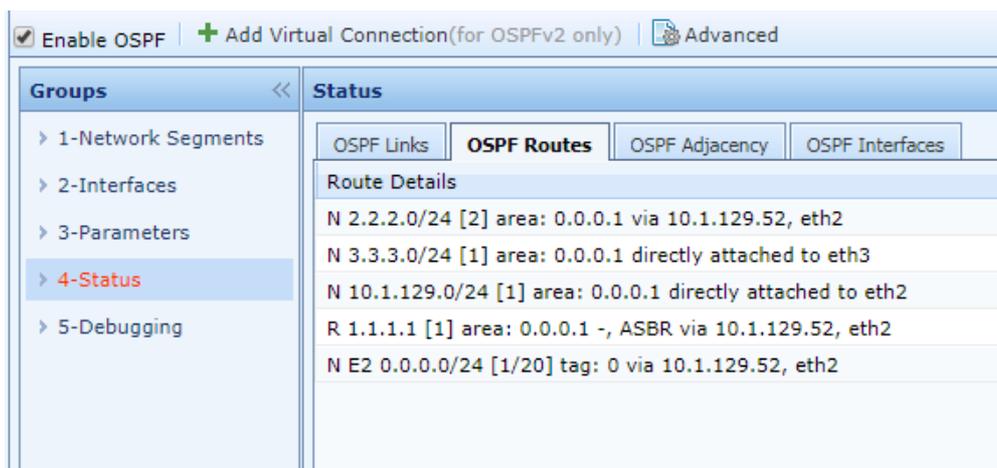
Default route:



Advertise default route:



After both of the highlighted function has been enabled, you can check the route details in OSPF Routes, as shown below:



## Chapter 3 Precautions

1. The type of network from both end should be the same, or else OSPF neighbor in unable to build. The NGAF version above 6.8 able to modify in dashboard.
2. NGAF version before version 7.1, after configured OSPF it will restart process, therefore it should be take in consideration.
3. OSPF before version 7.1, around 3.00 a.m. the device will restart OSPF process. It will cause OSPF to advertise again. If customer does not allow restart OSPF process, may consider to use version 7.1 or above to do testing.
4. We can see that OSPF and static route will be the same, in routing table static route will be prioritize.



**SANGFOR**

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