SANGFOR_NGAF_
Sangfor VPN Tunnel Route Configuration Guide

SANGFOR Technologies Inc.

8 May 2018

Your Future-Proof IT Enabler

Sangfor Technologies

Block A1, Nanshan iPark, No.1001 Xueyuan Road,Nanshan District, Shenzhen, China

T.: +60 12711 7129 (7511) | E.: tech.support@sangfor.com | W.: www.sangfor.com

Declaration

Copyright © SANGFOR Technologies Inc. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of SANGFOR Technologies Inc.

SANGFOR, SINFOR and logo are the trademarks of SANGFOR Technologies Inc. All other trademarks and trade names mentioned in this document are the property of their respective holders.

Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

The information in this document is subject to change without notice.

To obtain the latest version, contact the international service center of SANGFOR Technologies Inc.

Sangfor Technologies

Block A1, Nanshan iPark, No.1001 Xueyuan Road,Nanshan District, Shenzhen, China

T.: +60 12711 7129 (7511) | E.: tech.support@sangfor.com | W.: www.sangfor.com

Table of contents

Sangfor Technologies
Block A1, Nanshan iPark, No.1001 Xueyuan Road,Nanshan District, Shenzhen, China
T.: +60 12711 7129 (7511) | E.: tech.support@sangfor.com | W.: www.sangfor.com

1 Introduction

1.1 Abbreviations and conventions

NGAF in this article refers to the SANGFOR NGAF device.

WANO in this article refers to the SANGFOR WANO device.

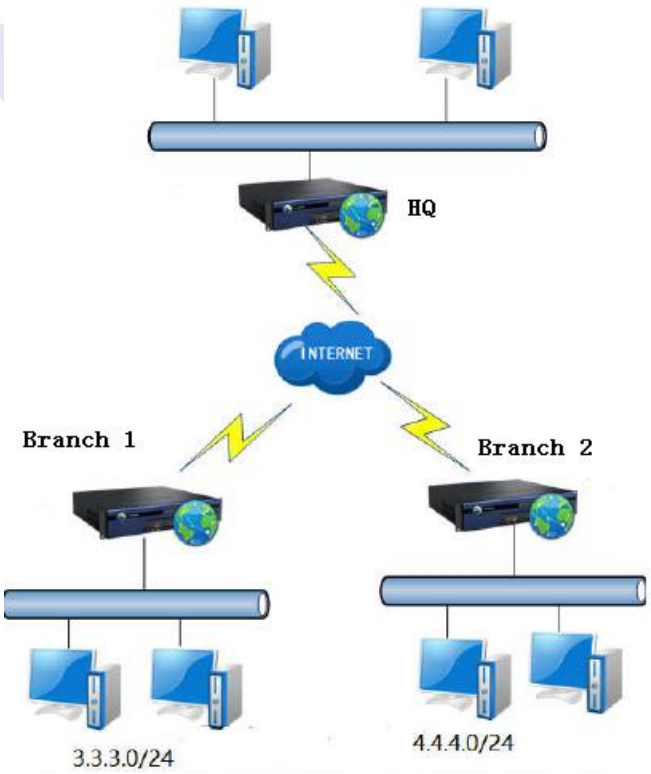
1.2 Feedback

If you find any questions of this document, please feel free to give us feedback, email: tech.support@sangfor.com.

2 Tunnel Route Configuration

2.1 Requirement Analysis

As figure below, HQ WANO have connection with another 2 branch NGAF VPN connection, branch 1 and branch 2 can access to HQ internal network, now customer request that branch 1 and branch 2 are able to access to each other, branch 1 have internal IP 3.3.3.0/24 and branch 2 have internal IP 4.4.4.0/24 need to able access to each other.



As shown in figure above:

Branch 1 have 1 Guest1: Internal IP 3.3.3.0/24

Branch 2 have 2 Guest2: Internal IP 4.4.4.0/24

HQ: WANO device connection with 2 Unit of NGAF device as branch.

Question Analysis:

2 branches have connection with HQ separately by using VPN tunnel, but branch 1 and branch 2 doesn't have and connection and also no VPN tunnel.

Solution:

Create a VPN route base on both branch AF device to make it possible.

2.2 Confirm Information

Confirm that VPN tunnel status is connected

2.2.1 Confirm HQ VPN connection status as shown below:

Disconnect	Connection	Username	Description	Type	Realtime Traffic (In/Out)	Internet IP	LAN IP
		Guest	Guest	Branch	84/84		
		Guest2	Guest	Branch	84/84		

2.2.2 Confirm branch 1-AF1 VPN connection status as shown below:

Disconnect	Connection	Username	Description	Type	Realtime Traffic (In/Out)	Internet IP	LAN IP
	ToHQVPN	Guest		HQ	84/84		

AF1 use Guest as Username

2.2.3 Confirm ranch 2-AF2 VPN connection status as shown below:

Disconnect	Connection	Username	Description	Type	Realtime Traffic (In/Out)	Internet IP	LAN IP
	ToHQVPN	Guest2		HQ	84/84		

AF2 as username Guest 2

2.3 Branch Configuration 1-Guest

On Branch 1 [VPN] - [IPSEC VPN] - [Tunnel Route Setting] add new branch 2 internal IP segment 4.4.4.0/24 tunnel route.

2.3.1 Enable Routing

Firstly, tick on enable route as shown on figure below:

2.3.2 Add

Source IP (Branch 1 internal IP): 3.3.3.0/24

Subnet Mask (Internal Subnet): 255.255.255.0

Destination IP (Branch 1 that want to reach network): 4.4.4.0/24

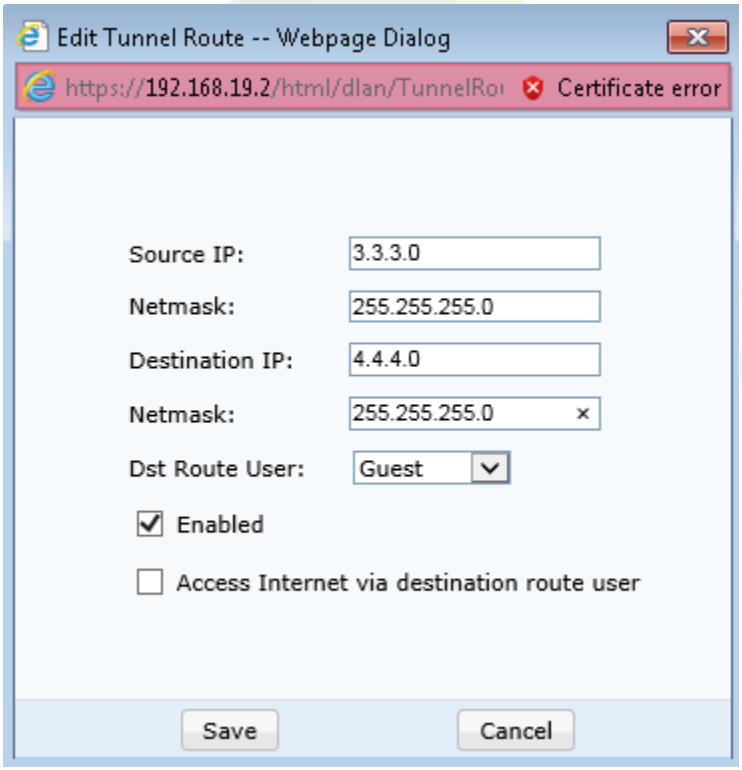
Subnet Mask of Destination IP: 255.255.255.0

Destination Route User: Guest (Same user that connect to HQ VPN)

Enable: Tick

Access internet via destination route user: Untick (Only tick if branch need to access internet through HQ)

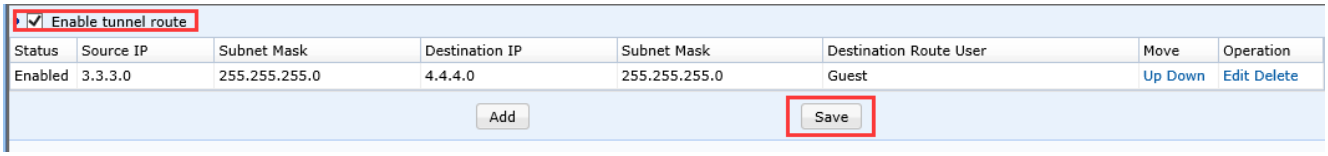
Configuration as shown below:



After finished configuration then press Save.

2.3.3 Save

Press Save, as shown as in the picture, it needs to restart VPN service:



Sangfor Technologies

Block A1, Nanshan iPark, No.1001 Xueyuan Road,Nanshan District, Shenzhen, China

T.: +60 12711 7129 (7511) | E.: tech.support@sangfor.com | W.: www.sangfor.com

2.4 Branch Configuration 2-Guest

2.4.1 Tick on Enable Tunnel Route

2.4.2 Add

Source IP (Branch 1 internal IP): 4.4.4.0/24

Subnet Mask (Internal Subnet): 255.255.255.0

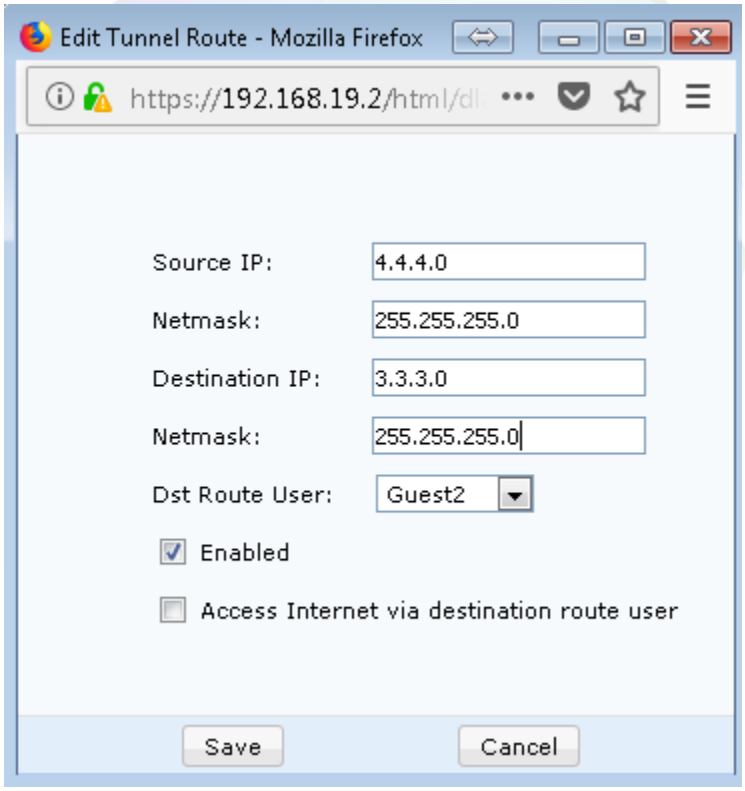
Destination IP (Branch 1 that want to reach network): 3.3.3.0/24

Subnet Mask of Destination IP: 255.255.255.0

Destination Route User: Guest2 (Same user that connect to HQ VPN)

Enable: Tick

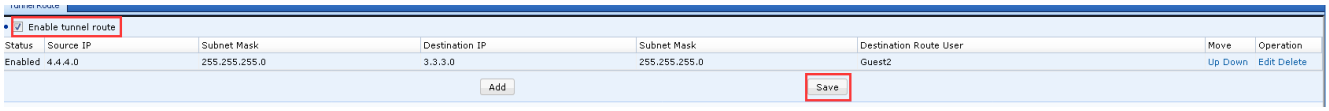
Access internet via destination route user: Untick (Only tick if branch need to access internet through HQ)



After successful configuration, then press “Save”

2.4.3 Save

Press Save, as picture below:



2.5 Finish Configuration

The whole process does not need to modify any configuration on HQ device, we only need to add a tunnel route on both branch site.