NavigateWorx

NR500 Series
Industrial Cellular VPN Router

Application Note 058

OpenVPN with Password Between NR500

Version: V1.0.0
Date: Dec 2020
Status: Confidential

Directory

1. Introduction

1.1 Overview

This document contains information regarding the configuration and use of OpenVPN with password between NR500s.

This guide has been written for use by technically competent personnel with a good understanding of the communications technologies used in the product, and of the requirements for their specific application.

1.2 Compatibility

This application note applies to:
Models Shown: NR500 series.
Firmware Version: V1.1.4(0c0c9fa) or newer
Other Compatible Models: None

1.3 Version

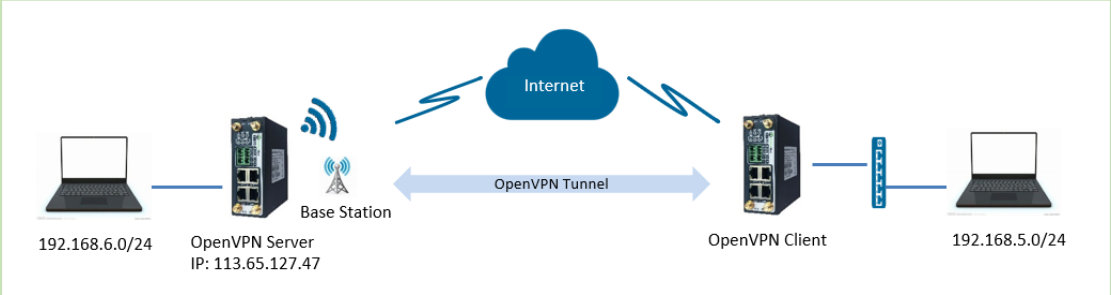
Updates between document versions are cumulative. Therefore, the latest document will include all the content of previous versions.

Release Date	Doc. Version	Firmware Version	Change Description
2020/12/14	V1.0.0	V1.1.4(0c0c9fa)	First released

1.4 Corrections

Appreciate for corrections or rectifications to this application note, and if any request for new application notes please email to: **support@navigateworx.com**

2. Topology

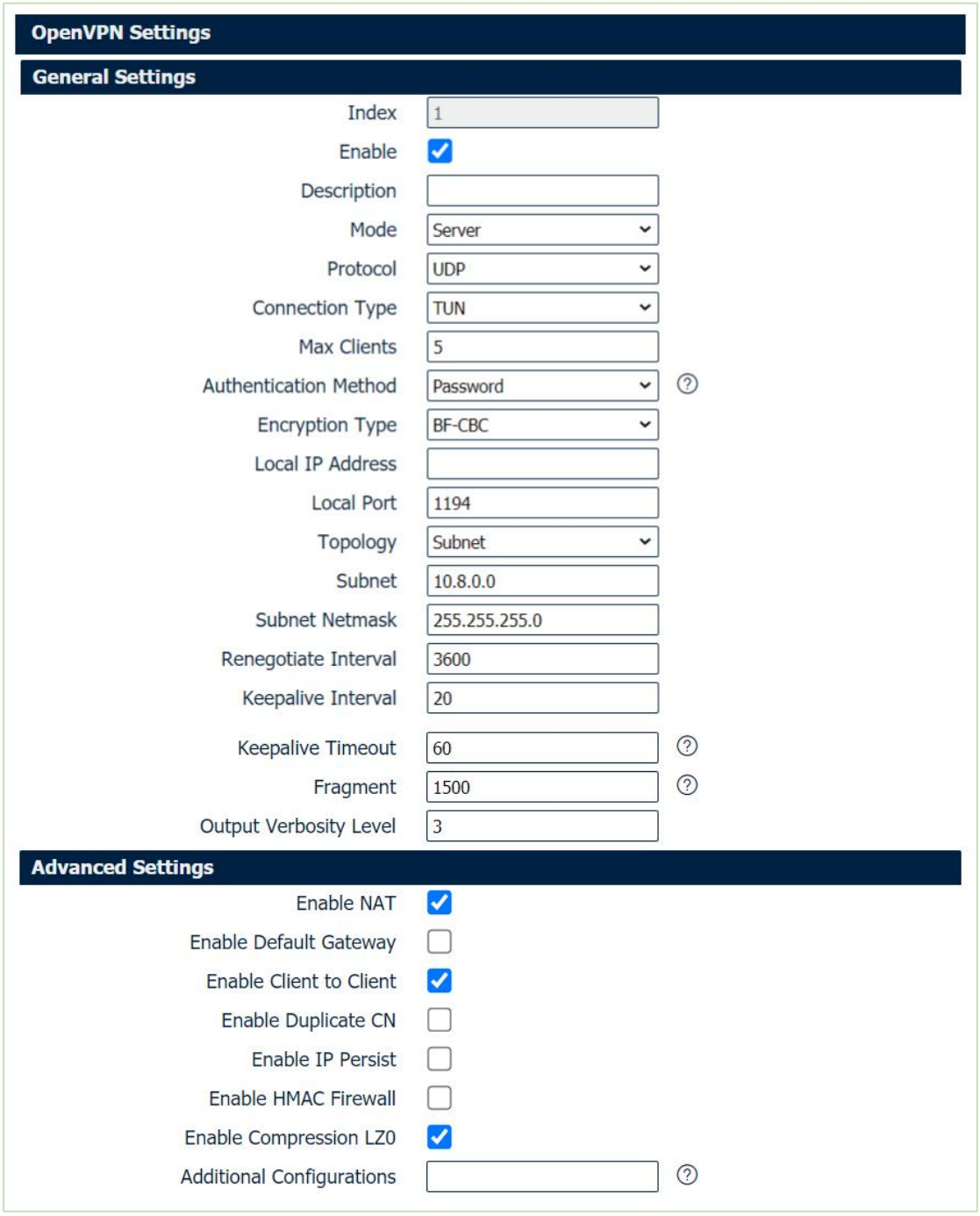


1. NR500 Router runs as OpenVPN Server with Public IP address or Domain Name, which can be accessed by another NR500 as OpenVPN Client successfully.
2. Two PCs connected to the LAN of OpenVPN Server and OpenVPN Client as the subnet.
3. OpenVPN tunnel is established between Server and Client, the subnet can PING each other successfully

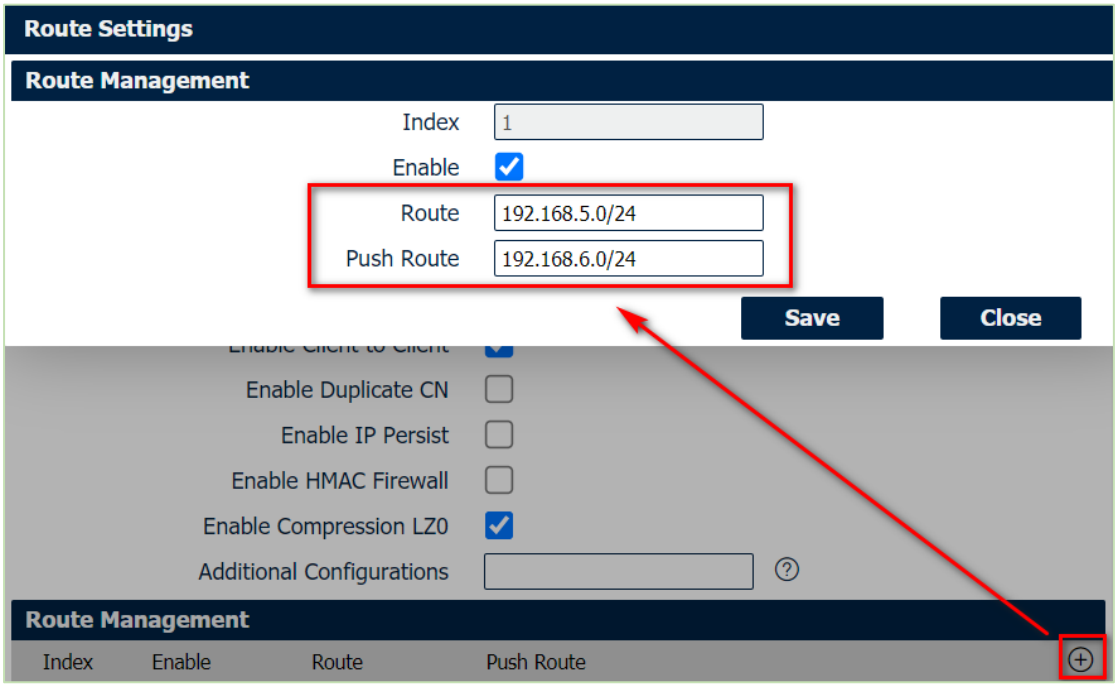
3. Configuration

3.1 Server Configuration

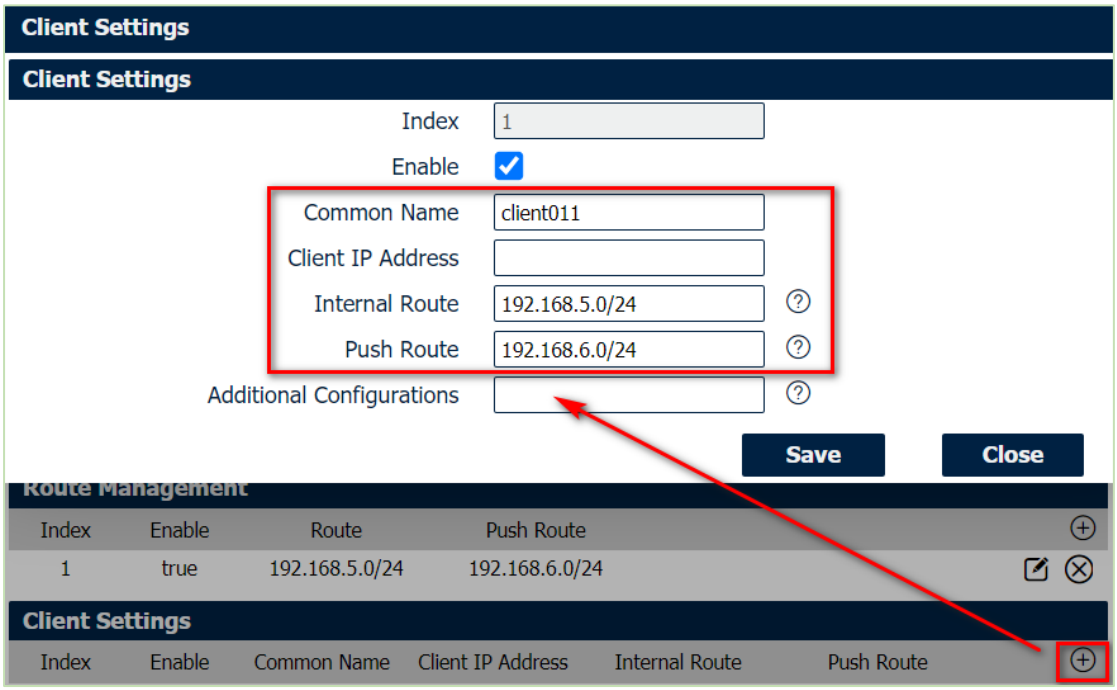
1. Go to **VPN>OpenVPN>OpenVPN>General Settings**, click the Edit Button and configure OpenVPN as below picture. Click Save.



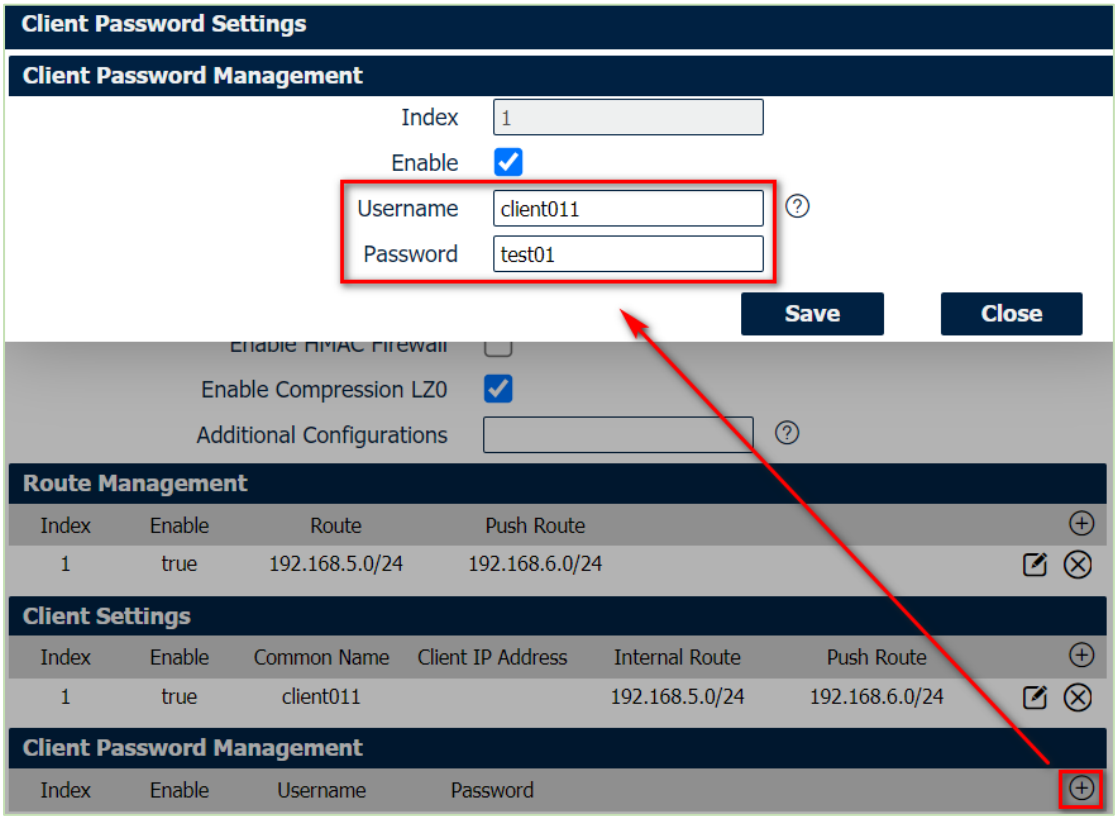
2. Setting on Router Management like below, click "Save".



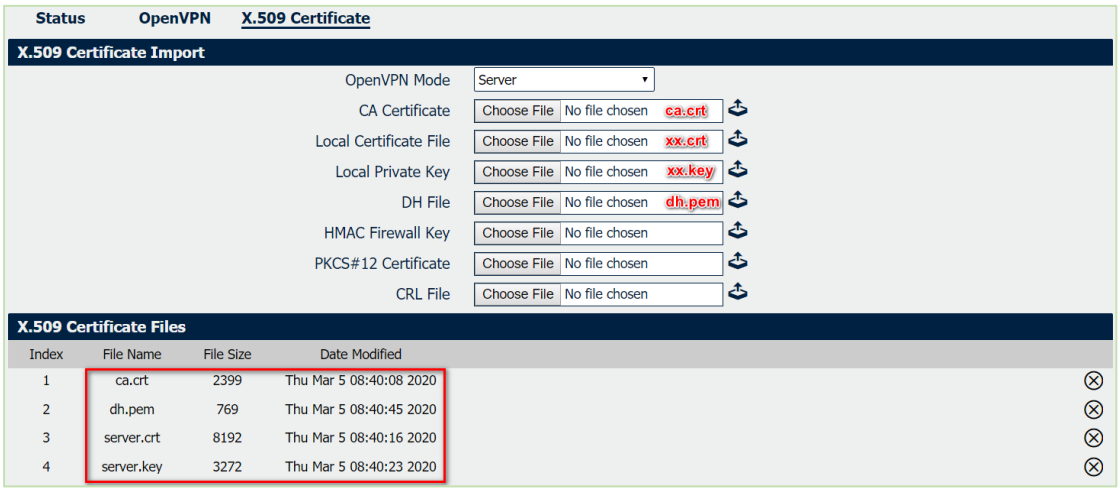
3. Setting on Client Settings like below, click "Save":



4. Setting on Client Password Management like below, click "Save":



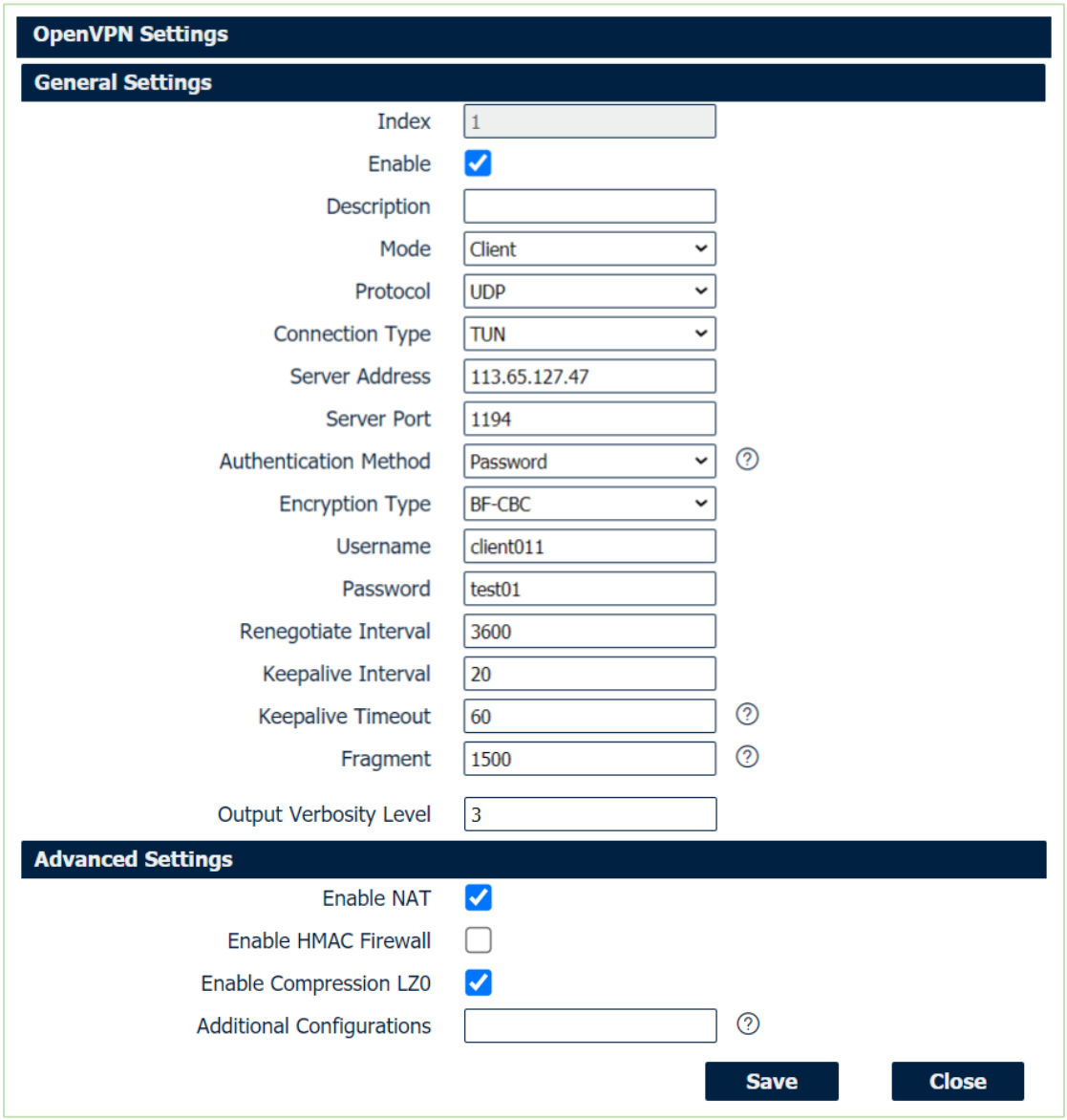
5. Go to VPN>OpenVPN>X.509 Certificate, import the related certificates:



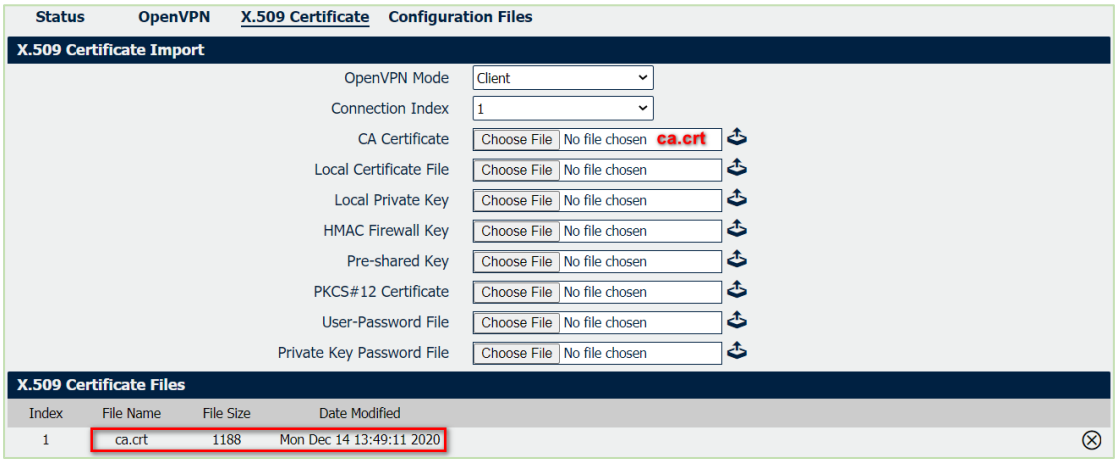
6. Click Apply.

3.2 Client Configuration

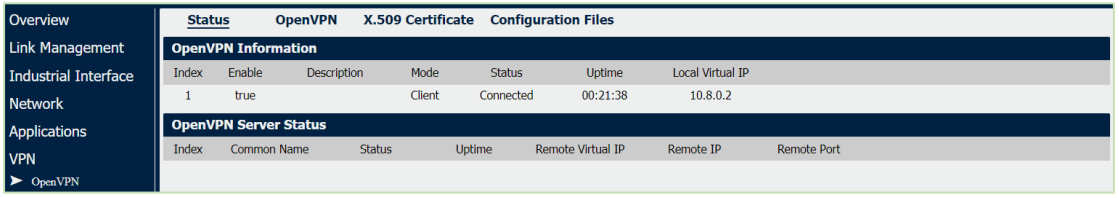
1. Go to **VPN>OpenVPN>OpenVPN>General Settings**, click the Edit Button and configure OpenVPN as below picture. Click Save.



2. Go to VPN>OpenVPN>X.509 Certificate, import the related certificates:

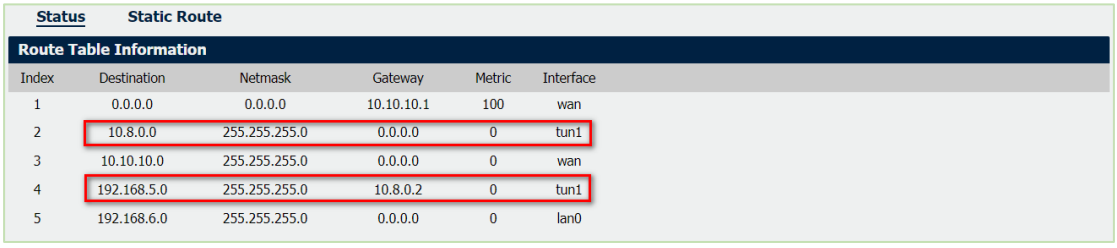


3. Click Apply. The Client had connected Server successfully:

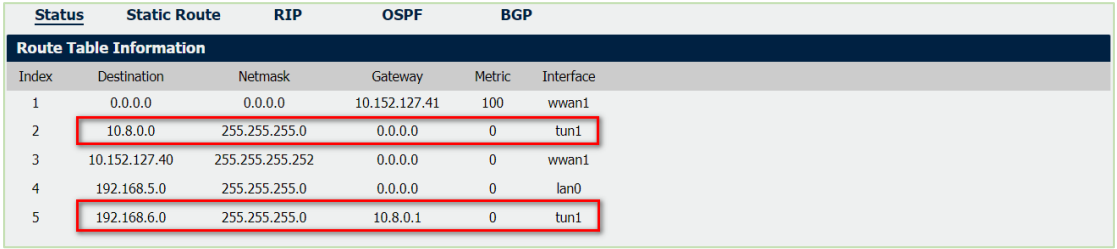


4. Route Table

1. Route Table on OpenVPN Server for reference.

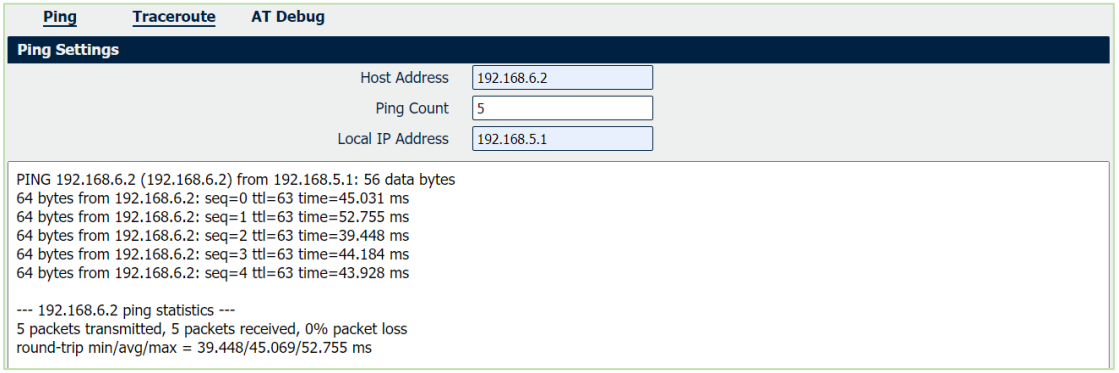


2. Route Table on OpenVPN Client for reference.

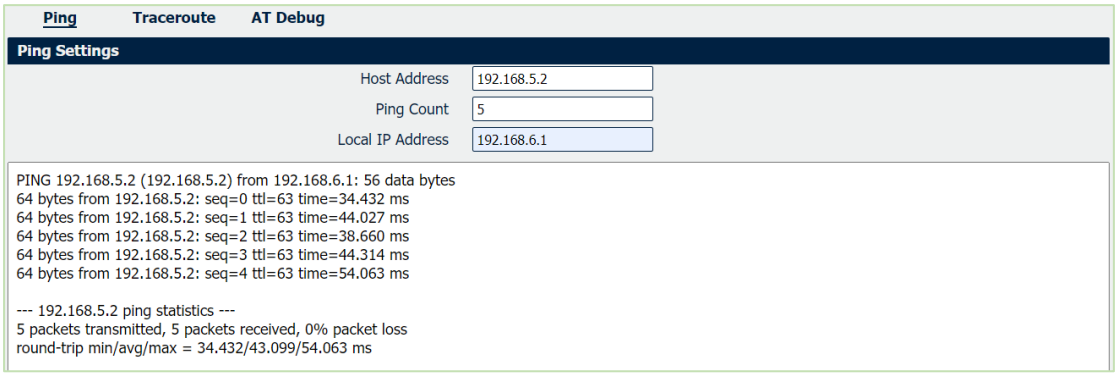


5. Testing

1. Go to **Maintenance>Debug Tool>Ping** and Ping from OpenVPN Client to OpenVPN Server LAN Device.



2. Go to **Maintenance>Debug Tool>Ping** and Ping from OpenVPN Server to OpenVPN Client LAN Device.



3. Test successfully.