NavigateWorx

NR500 Series
Industrial Cellular VPN Router

Application Note 024

VRRP Between NR500 Series Routers

Version: V1.0.0
Date: 2018/09/30
Status: Confidential

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1. Introduction

1.1 Overview

This document contains information regarding the configuration and use of VRRP between NR500 series routers.

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: V1.0.0 (930.3) 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
2018/09/30	V1.0.0	V1.0.0(930.3)	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**

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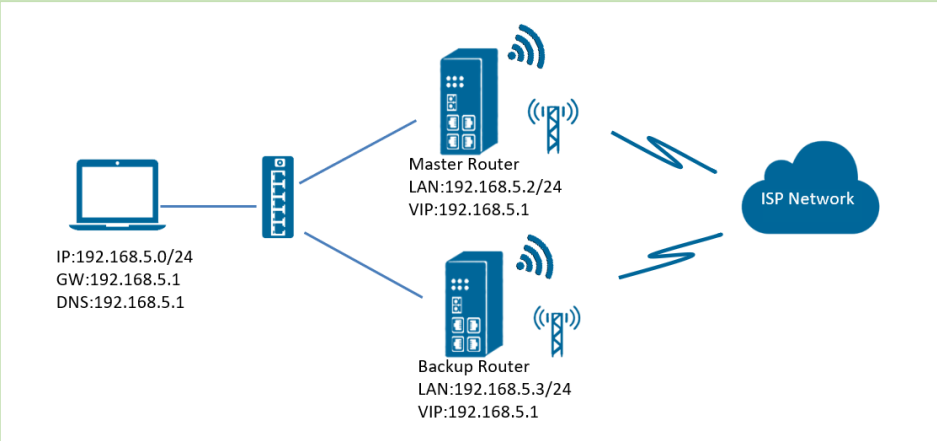
2. Topology



1. NR500 Pro runs as VRRP Master router and Backup router and connect to Internet with SIM card.
2. PC communicate with Internet via Master router in normal case. If Master router is down, PC will switchover to Backup router to Internet. If Master router up again, then PC will switch back to Master router to Internet.

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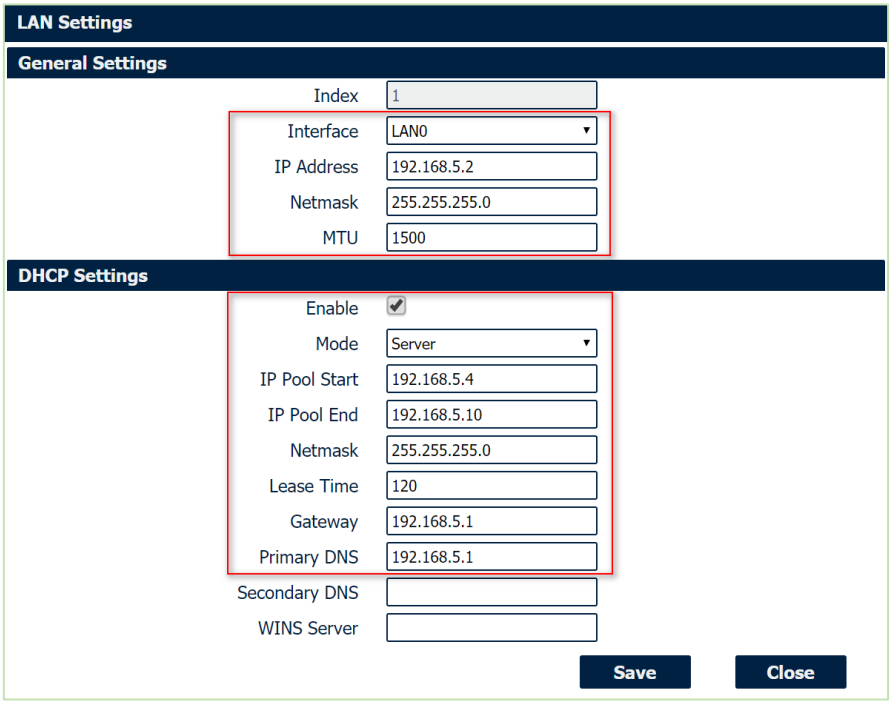
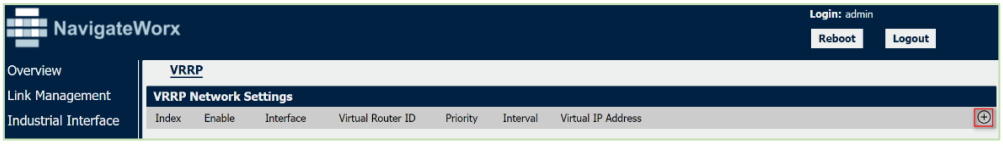
3. Configuration

3.1 Master Router Configuration

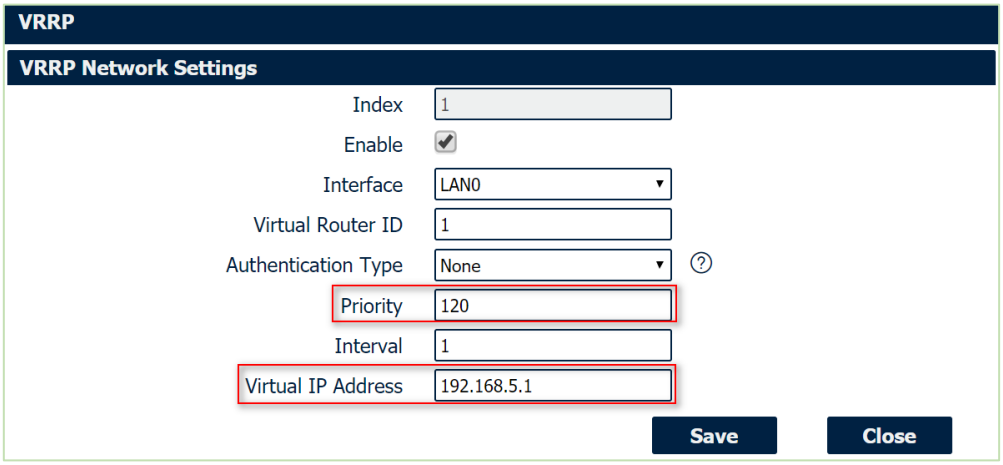
1. Go to Link **Management>Ethernet>LAN**, to specify the LAN information like below.



2. Go to **Network>VRRP>VRRP**, Click the Edit button of VRRP, like below:



3. Configure VRRP like below picture:



3. Click Save>Apply.

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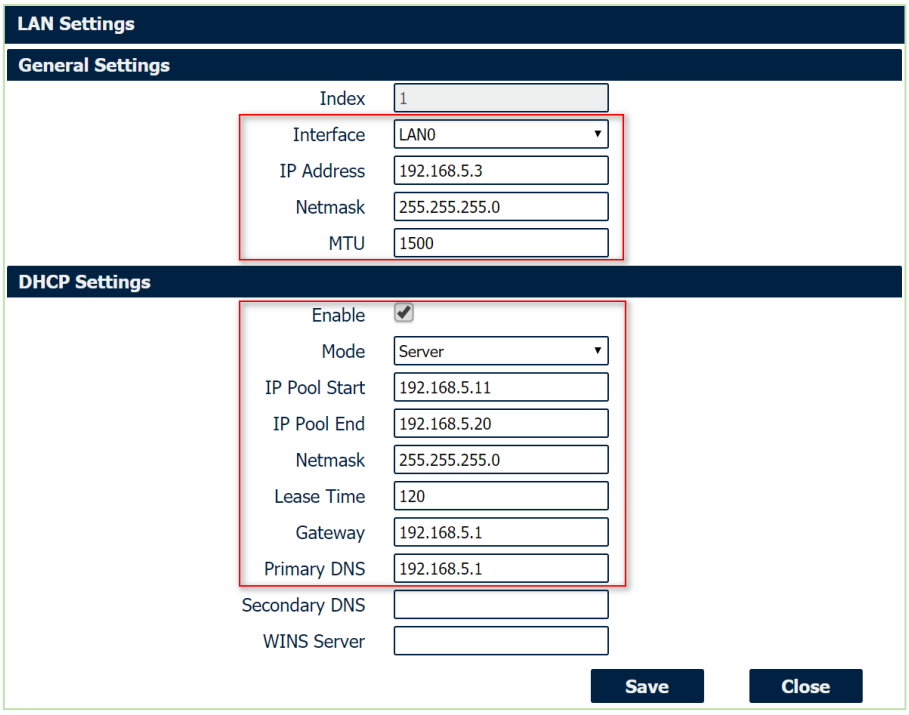
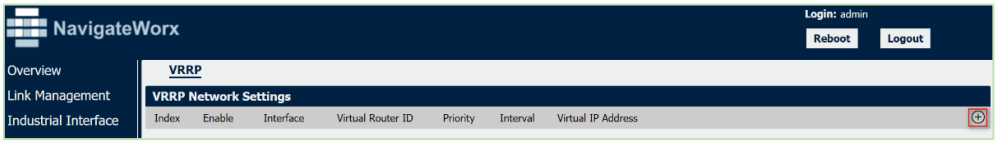
3.2 Backup Router Configuration

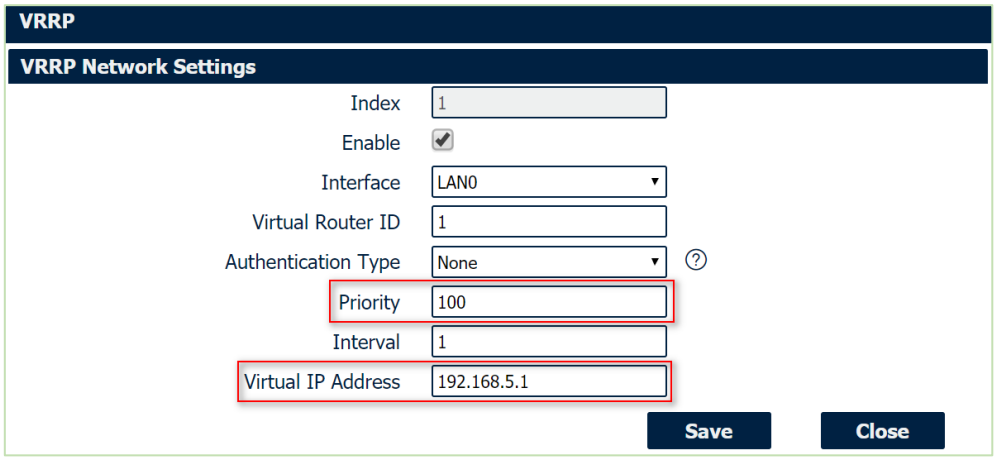
1. Go to Link **Management>Ethernet>LAN**, to specify the LAN information like below.



2. Go to **Network>VRRP>VRRP**, Click the Edit button of VRRP, like below:



3. Configure VRRP like below picture:



3. Click Save>Apply.

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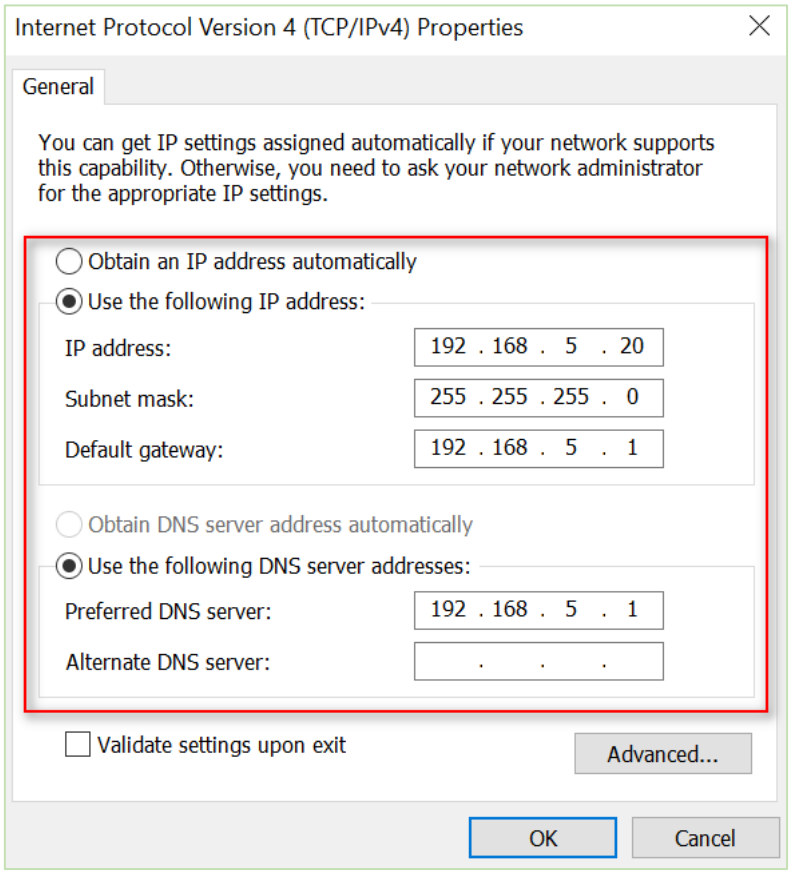
3.3 PC Configuration

1. Please enable the DHCP on PC or configure the static IP on PC like below:



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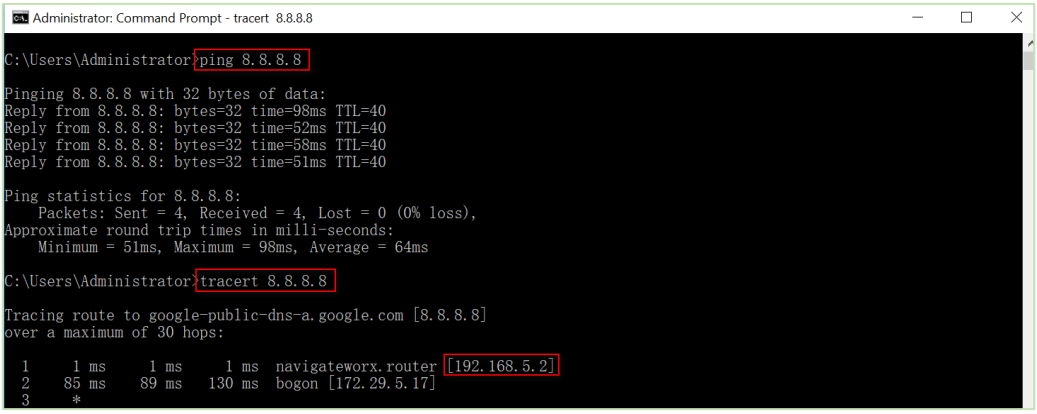
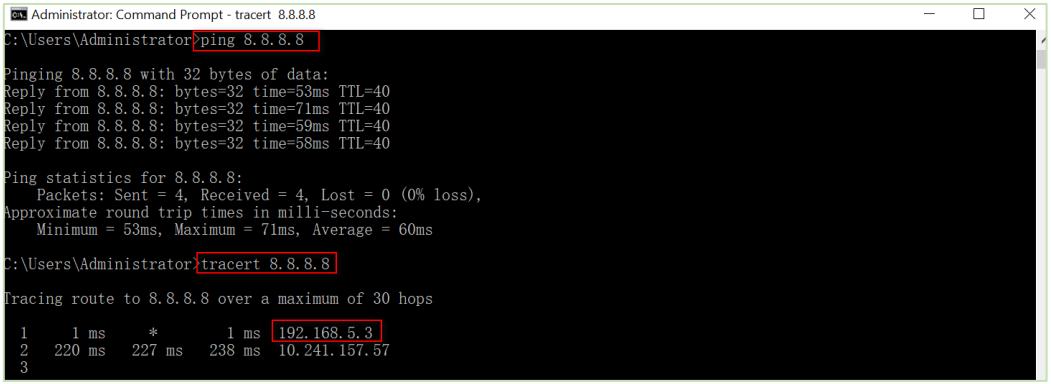
4. Test

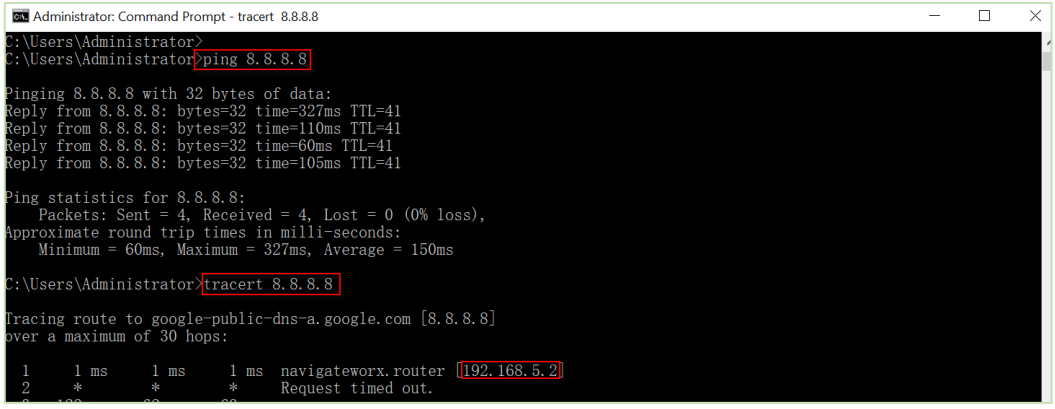
1. Now PC communicate with Internet via Master Router,



2. Remove the ethernet cable between Master router and Switch, PC will access to Internet via Backup Router.



3. Inserted back the ethernet cable, PC will access to Internet again via Master Router.



4. Test successfully.

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