

App User Guide

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Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Release Date	App Version	Doc Version	Details
June 06, 2016	2.0.0	v.1.0.0	First Release
June 29. 2018	2.0.0	v.1.0.1	Revised the company name
December 25, 2021	2.0.0	v.1.0.2	Revised the company name Deleted the document status: confidential

Chapter 1 Overview

VRRP (Virtual Router Redundancy Protocol) is a fault-tolerant protocol. VRRP protocol can help to constitute a router backup group in a LAN, the VRRP router is equivalent to a virtual router. A host in LAN only need to know this virtual router's IP address and doesn't need to know the IP address of the specific router. When set the host's default gateway as the virtual router's virtual IP address, host can use the virtual gateway to communicate with the external network.

VRRP function is an App which needs to install into router in System->App Center unit.

Chapter 2 App Installation

2.1 Installation

Path: System->App

1 Please place VRRP App .rpk file (e.g. r2000-vrrp-2.0.0.rpk) into a free disk of PC. And then log in router configuration page; go to **System->App** as the following screenshot show.

App Center			
∧ App Install			*
	File	Choose File No file chosen	Install

2 Click "Choose File" button, select VRRP App .rpk file from the PC, then click "Install" button of router configuration page.



3 When the rate of installation progress reach 100%, the system will pop up a reboot router reminder window. Please click "OK" to make router reboot.

App Center		
∧ App Install		
	File Choos	e File r2000-vrrp-2.0.0.rpk Install
	Router Web Manager	100%
▲ Installed App Index Na	Operation successfully completed. Do you want to reboot immediately?	ription
	OK Cancel	

4 After router power on again, log in configuration page, VRRP will be include in App Center's "Installed Apps" list, and the function configuration will display in **Services** part.

App Cen	ter					
∧ App In	stall					
			File	Choose File No file chosen	Install	
^ Installe	ed Apps					
Index	Name	Version	Status	Description		
1	vrrp	2.0.0	Stopped	VRRP Daemon		×

	VRRP			
Status	NRRP Settings	;		
Interface		Enable	OFF OFF	
Network		Interface	lan0 v	
VPN		Group ID	1	
Constant of the second se		Priority	100	
Services		Interval	1	0
Syslog				
Event		Virtual IP Address		
NTP	-			
SMS				
Email				
VRRP				
SSH				
Web Server				
Advanced				
System				Submit Cancel

2.2 Uninstallation

Path: System->App Center

1 Go to "**Installed Apps**", find VRRP App and then click "X".

App Cen	ter				
∧ App In	stall				
			File	Choose File No file chosen	Install
∧ Installe	ed Apps				
∧ Installe Index	ed Apps Name	Version	Status	Description	

2 Click "OK" in the router reboot reminder popup window. When router finish restart, VRRP had been uninstalled.

Router	Web Mana	iger			
		essfully comp reboot immed			
	ок	Cance			
App Cen	ter				
1.2.2.1	·				
	·		File	Choose File No file chosen	Install
App Cen App Ins Installe	·		File	Choose File No file chosen	Install

Chapter 3 Parameters Description

VRRP				
VRRP Settings				
	Enable	OFF		
	Interface	(lan0	V	
	Group ID	1		
	Priority	100		
	Interval	1	7	
	Virtual IP Address			

VRRP					
Item	Description	Default			
Enable	Click to enable VRRP protocol.	OFF			
Interface	Select from "lan0" and "lan1".	lan0			
Group ID	Specify which VRRP group of this router belong to.	1			
Priority	Enter the priority value from 1 to 255. The larger value has higher priority.	120			
Interval	The interval that master router sends VRRP packets to backup routers.	5			
	A virtual IP address is shared among the routers, with one designated as				
Virtual IP Address	the master router and the others as backups. In case the master fails, the	192.168.0.1			
VII LUAI IP AUULESS	virtual IP address is mapped to a backup router's IP address. (This backup	192.100.0.1			
	becomes the master router)				

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