

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

In computer networking, L2TP (Layer 2 Tunneling Protocol) is a tunneling protocol used to support virtual private networks (VPNs) or as part of the delivery of services by ISPs. It does not provide any encryption or confidentiality by itself. Rather, it relies on an encryption protocol that it passes within the tunnel to provide privacy L2TP 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 L2TP App .rpk file (e.g. r2000-l2tp-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 L2TP App .rpk file from the PC, then click "Install" button of router configuration page.

W 2000							
S C PO De	ept 🕨 Onging R2000 Dua	l ▶ app	 ✓ ✓ Searce 	h app	٩		
Organize 👻 New fold	der						
 ★ Favorites ★ Desktop ↓ Downloads ▲ Recent Places 		0-ddns r2000-dmv .0.rpk pn-2.0.0.rp k	r2000-12tp- 2.0.0.rpk	r2000-lang uage_chine se-2.0.0.rpk	r2000-pptp -2.0.0.rpk		
 ☐ Libraries ☐ Documents ☐ Music ☐ Pictures ☐ Videos 	2.0.0.rpk stlin	0-robu r2000-snm k-2.0.0. p-2.0.0.rpk pk	r2000-vrrp- 2.0.0.rpk	r2000-wlan _multi_ap-2 _0.0.rpk			
Computer							
File	<u>n</u> ame: r2000-l2tp-2.0.0.rp	9k	 ✓ All File p 		▼ Cancel		
App Center							
App Instal	J.						
			Fil	le C	hoose File	r2000-l2tp-2.0.0	.rpk Install

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 Choose File r2000-l2tp-2.0.0.rpk Install
	Router Web Manager
∧ Installed App Index Na	Operation successfully completed. Do you want to reboot immediately? OK Cancel

4 After router power on again, log in configuration page, L2TP will be include in App Center's "Installed Apps" list, and the function configuration will display in **VPN** part.

App Cen	ter					
^ App Ins	stall					
			File	Choose File No file chosen	Install	
^ Installe	ed Apps					
Index	Name	Version	Status	Description		
1	l2tp	2.0.0	Stopped	L2TP		×

	L2TP Server	L2TP Client	Status			
Status	∧ L2TP Server S	Settings				
Interface		Enable L2	TP Server	OFF		
Network			Username		?	
VPN	•		Password]	7	
IPsec			Local IP			
OpenVPN			Start IP]		
GRF			End IP			
L2TP		Tun	nel Secrets			
Services						
System		Auti	entication pa	p v		
			Port 17	01		
		E	nable NAT	NOFF		
					Submit	Cancel

2.2 Uninstallation

Path: System->App Center

1 Go to "Installed Apps", find L2TP App and then click "X".

App Cen	ter					
^ App In	stall					
			File	Choose File No file chosen	Install	
^ Installe	ed Apps					
Index	Name	Version	Status	Description		_
	l2tp	2.0.0	Stopped	L2TP		

2 Click "OK" in the router reboot reminder pop up window. When router finish restart, L2TP had been uninstalled.

Route	r Web Mana	ager			
	peration succ you want to				
	ок	Cance	el		
App Cen	ter				
App Cen ^ App In:	a a construction of the co				
	a a construction of the co		File	Choose File No file chosen	Install
	stall		File	Choose File No file chosen	Install

Chapter 5 Farameters Description	Chapter 3	Parameters	Description
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L2TP Server	L2TP Client	Stat	itus	
A L2TP Server S	Settings			
	Enable L2	TP Server	OFF	
	L. L	Jsername	3	
	1	Password		
		Local IP		
		Start IP		
		End IP		
	Tunn	el Secrets		
		entication		
	Autre			
		Port		
	Er	able NAT	ON OFF	
	Exper	t Options	noaccomp nopcomp no	
	Deb	ug Enable	OFF	
∧ Static Route				
Index Remote Su	ubnet Remote Subne	Client I		+
			Submit	Cancel
L2TP Server				
∧ Static Route				
	Inde			
	Descriptio			
	Remote Subn			
	Remote Subnet Ma			
	Client			
			Submit Close	

L2TP Server						
Item	Description	Default				
Enable L2TP Server	Tick to enable L2TP server.	Disable				
Username	Set the username which will assign to L2TP client.	Null				
Password	Set the password which will assign to L2TP client.	Null				
Local IP	Set the IP address of L2TP server.	10.0.0.1				
Start IP	Set the IP pool start IP address which will assign to the L2TP clients.	10.0.0.2				

L2TP Server						
Item	Description	Default				
End IP	Set the IP pool end IP address which will assign to the L2TP clients.	10.0.0.100				
Tunnel Secrets	Enter the tunnel secret which will provide to L2TP client.	Null				
	Select from "PAP", "CHAP", "MS-CHAP v1" and "MS-CHAP v2".					
Authentication	L2TP client need to select the same authentication method based on	СНАР				
	this server's authentication method.					
Port	Set the Port number of the L2TP server.	Null				
Enable NAT	Click to enable NAT feature of L2TP. The remote L2TP client's source IP	OFF				
Enable NAT	will be disguised before accessing router L2TP server					
	You can enter some other PPP initialization strings in this field. Each	noccp				
Expert Options	string can be separated by a space.	nobsdcomp				
Remote Subnet @	Enter the remote peer's private IP address or remote subnet's	Null				
Static Route	gateways address.					
Remote Subnet Mask	Enter the remote near's subnet made	Nucli				
@ Static Route	Enter the remote peer's subnet mask.	Null				
Client ID @Ctatia Dauta	Specifying the L2TP client IP address.	Null				
Client IP @Static Route	Empty means anywhere.	NUII				
L2TP Server	L2TP Client Status					
∧ L2TP Client Settings						
Index Enable Description Server Address Authenticat						

Click "+" symbol to add a L2TP client. The max tunnel accounts are 3.

L2TP Client		
∧ L2TP Client Settings		
Index	1	
Enable	ON OFF	
Description		
Server Address		
Username		0
Password		0
Authentication	pap v	
Tunnel Secrets		
Port	1701	
Enable NAT	ON OFF	
All Traffic via This Interface	OFF	
Remote Subnet		
Remote Subnet Mask		
Expert Options	noaccomp nopcomp no	

L2TP Client						
Item	Description					
Server Address	Enter your L2TP server's public IP or domain name.	Null				
Username	Enter the username which was provided by your L2TP server.	Null				
Password	Enter the password which was provided by your L2TP server.	Null				
Authentication	Select from "Auto", "PAP", "CHAP", "MS-CHAP v1" and "MS-CHAP v2".					
	You need to select the corresponding authentication method based on the	Disable				
	server's authentication method. When you select "Auto", router will auto	Disable				
	select the correct method based on server.					
Tunnel Secrets	Enter L2TP tunnel secret in this item.	Null				
Port	Set the Port number of the L2TP client.					
Enable NAT	Click to enable NAT feature of L2TP. The source IP address of host Behind	Disable				
	R3000 will be disguised before accessing the remote L2TP server.					
All traffic via this	After click to enable this feature, all data traffic will be sent via L2TP	Disable				
interface	tunnel.	Disable				
Remote Subnet	Enter L2TP remote Protected subnet's address.	Null				
Remote Subnet Mask	e Subnet Mask Enter L2TPremote Protected subnet's mask.					
Export Options	You can enter some other PPP initialization strings in this field. Each string	noccp				
Expert Options	can be separated by a space.	nobsdcomp				

Go to Status to check the L2TP connection status.

L2TP Se	erver L	2TP Client	Status				
∧ L2TP Server Status							
Index Remote IP Address Uptime							
^ L2TP	Client Status						
Index	Description	Status	Local IP Address	Remote IP Address	Uptime		

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