

App User Guide

Captive Portal

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Status: Confidential

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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
2016-06-06	2.0.0	v.1.0.0	First Release
2018-06-29	2.0.0	v.1.0.1	Revised the company name

Chapter 1 Overview

Captive Portal is a webpage authentication setting. A captive portal is a 'Landing' web page, presented by a Layer 3 brand Layer 2 Operator and shown to users before they gain more-broad access to URL or http-based Internet services. Often used to present a Landing or Log-In page, the portal intercepts observed packets until such time as the user is authorized to launch browser sessions. After being redirected to a web page which may require authentication, payment, acceptance of EULA/acceptable use policies or other valid credentials that the host and user agree to, the user is granted conditional Internet access.

Captive Portal function in router used to authenticate the Wi-Fi access, it is an App which needs to install into router in **System->App Center** unit.

Chapter 2 App Installation

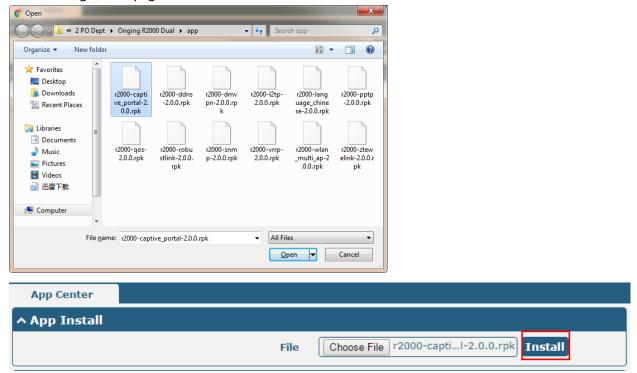
2.1 Installation

Path: System->App

1 Please place Captive Portal App .rpk file (e.g. r2000-captive portal-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 Captive Portal 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 Choose F	ile r2000-captil-2.0.0.rpk Install
	Router Web Manager	100%
▲ Installed Apps Index Na	Do you want to repoot immediately?	ription

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

App Center								
^ App I	nstall							
				File	Choose Fil	e No file chosen	Install	
^ Instal	led Apps	5						
Index	Na	ne	Version	Status	Descr	iption		
1	captive	_portal	2.0.0	Stopped	captive	_portal		×
		Captiv	ve Portal					
	Status		eral Settings					
	Interface				Enable	ON OFF		
		Primary	Radius Server					
	Network			Secondary	Radius Server			
	VPN			-	ntication Port	1812		
	Services	-						
	Syslog				counting Port	1813		
	Event			Radius	Share Secret		0	
	NTP SMS			С	lient Network	192.168.137.0		
	SMS Email		C	ient Netmask	255.255.255.0			
	SSH	∧ Adv	anced Settin	ns				
Ca	ptive Portal		Allowed Netwo		vod Notworks		0	
	Web Server						5	
	Advanced			A	llowed Clients]	
	System				Redirect URL			Connect
							Submit	Cancel

2.2 Uninstallation

Path: System->App Center

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

App Ce	enter						
^ App Install							
			File	Choose File No file chosen	Install		
A Insta	lled Apps						
Index	Name	Version	Status	Description			

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

Router	Web Mana	ager			
		essfully com reboot imme		1	
	ок	Cance			
App Cente	er				
∧ App Ins	tall				
			File	Choose File No file chosen	Install
∧ Installe	d Apps				
Index	Name	Version	Status	Description	

Chapter 3 Parameters Description

Captive Portal	
∧ General Settings	
Enable	ON OFF
Primary Radius Server	
Secondary Radius Server	
Authentication Port	1812
Accounting Port	1813
Radius Share Secret	(
Client Network	192.168.137.0
Client Netmask	255.255.255.0

 Advanced Settings 	
Allowed Networks	
Allowed Clients	
Redirect URL	

Captive Portal				
Item	Description	Default		
	Click to enable Captive Portal function. Captive Portal mainly used	ON		
	for network access authentication.			
Enable	Note: This function only is available for Wi-Fi function of router.			
	Before use the function in actual application, please remember to			
	configure router as a Wi-Fi AP.			
	Enter Primary Radius Server's IP address.	Null		
Primary Radius Server	Radius Server is responsible for receiving and responding Wi-Fi			
	access request from Wi-Fi client under router (Wi-Fi AP).			
Secondary Radius Server	Enter Secondary Radius Server's IP address.	Null		
Authentication Port	Enter the Authentication Port which is used to authenticate users'	1812		
Additentication Fort	access.	1012		
Accounting Port	Enter the Accounting Port which is used to authenticate users'	1813		
Accounting Port	access.	1015		
Radius Share Secret	Enter the Radius Share Secret which used to authenticate the	Null		
	connection between router and Radius Server.	Null		
Client Network	Set the subnet for router used to assign to Wi-Fi client.	192.168.137.0		
Client Netmask	Set the netmask of Client Network.	255.255.255.0		
Allowed Networks	Enter any website of Wi-Fi client, comma separated. Specific user	Null		

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Captive Portal					
ltem	Default				
	can access network without authentication.				
Allowed Clients	Enter user's MAC, comma separated. Specific Wi-Fi client can access	Null			
Allowed Cherres	network without authentication.				
Redirect URL	Enter URL, after log in landing page, the webpage switch to URL	Null			
	page automatically.				