

# **App User Guide**

# **Captive Portal**

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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

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 Router Web Manager	File r2000-capti!-2.0.0.rpk Install
▲ Installed App Index Na	Operation successfully completed. Do you want to reboot 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 Ce	enter								
A App I	nstall								
				File	Choose Fil	e No file chosen		Install	
∧ Installed Apps									
Index	Nam	ie	Version	Status	Descr	iption			
1	captive_	portal	2.0.0	Stopped	captive	_portal			×
		Captiv	e Portal						
	Status	∧ Gen	eral Settings						
	Interface				Enable	OFF			
	Network			Primary	Radius Server		]		
				Secondary	Radius Server		]		
4	VPN			Authe	ntication Port	1812	]		
	Services			Ad	counting Port	1813	ĺ		
	Syslog				Share Secret		] (2)		
	Event NTP						) 🤍 1		
	SMS				lient Network	192.168.137.0			
	Email			C	lient Netmask	255.255.255.0	J		
-	SSH ptive Portal	^ Adv	anced Settin	gs					
<b>C</b> 4	Web Server			Allow	ved Networks		] 🧿		
	Advanced			А	llowed Clients		] 🤊		
	System	1			Redirect URL		0		
								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	
	والمتحدثين الراسين					
^ Insta	led Apps					
∧ Instal Index	led Apps Name	Version	Status	Description		

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

Route	r Web Mana	ager			
	peration succ you want to				
	ок	Canc	el		
App Cen	ter				
App Cen App In	a contraction of the second se				
App Cen	a contraction of the second se		File	Choose File No file chosen	Install
App In	a contraction of the second se		File	Choose File No file chosen	Install

## 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		0
Client Network	192.168.137.0	
Client Netmask	255.255.255.0	

<ul> <li>Advanced Settings</li> </ul>	
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	
Authentication Port	access.	1012	
Accounting Dort	Enter the Accounting Port which is used to authenticate users'	1010	
Accounting Port	access.	1813	
Radius Share Secret	Enter the Radius Share Secret which used to authenticate the	Null	
Radius Share Secret	connection between router and Radius Server.	NUII	
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	

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

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