

HowTo configure Web-based access control (WAC) on DGS-1510-series

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[Object]

User surf Internet on authentication port of DUT via Local (RADIUS) method and successfully browse *Google.com*.

[Overview]

When users would like to browse web screen (e.g., http://www.google.com) through the web browser (e.g., IE), and when the switch detects HTTP packets and this port is unauthenticated, the browser will pop out username/password screen to query users. If the user passes the authentication process, it means this port is authenticated, and user can access the network.

[Topology]

Radius Server ------ (p28) DGS-1510-28P (p15) ----- Client 192.168.10.100 192.168.10.6 DHCP

[Device]

DGS-1510-Series FW:1.21.005

[Configure]

Step 1

Assign random Vitual IP 2.2.2.2 to authenticate web page then randomly assign redirect path ,in this case ,we use "<u>http://google.com</u>".

web-auth virtual-ip ipv4 2.2.2.2

web-auth success redirect-path http://google.com

Step 2

Enable global state of WAC fuction and the fuction of port15 of DUT:

con t web-auth system-auth-control //global state interface eth1/0/15 web-auth enable exit



Step 3

Enable global state of AAA and set AAA method of Web authentication to **local** then enable it state.

con t

aaa new-model //enable AAA global state aaa authentication web-auth default local radius-server host 192.168.10.100 key 123456 // Radius Server aaa authentication web-auth default group radius // ONLY when using Radius Authentication, then Step 4 not necessary

Step 4

Assign username and password to Local database, in this case, we use admin/admin.

authentication username USER password USER vlan <VID>

[Verification]

1.when PC access to Internet ,you will see this authentication page:

▶ http://10.90.90.92/form/Lo × ▼ ▶ 10.90.90.91 × ▼ ▶ 訪問 - Y	/ahoo奇摩字典 × 🏼 🗋 🖡	暖私權設定發生錯誤 ×	Authentication Login	×	-	
← → C ff 🗋 2.2.2.2/www/AuthLogin.html						5 ☆ =
🏥 應用程式 🊖 Bookmarks 🗋 portal.dlink.com.tw 🤱 Google 翻譯 🧰 CCNA	A 🚯 鳥哥的 Linux 私房…	🗋 PMD 🔰 Yahoo奇摩=	字典 🍫 網路管理相關問答 …	W Power over Ethern	🔀 Network 討論版	» 🧀 其他書籤
	Cur	rrent Status: Un-Auth	enticated			
	Authentication Log	in				
	User Na	ame (
	Passwo	ord				
			Enter Clear			
	Logout From The N	etwork				
			Logout			

2.After input the pre-define username and password(f.e. user /user),you can login successfully then redirect to the pre-define path "http://google.com".



<u>2.2</u>	2.2/www/waiting_/	Auth.html					
kmarks	🗋 portal.dlink.com.tw	🗛 Google 翻譯	CCNA	(5) 鳥哥的	2.2.2.2 的網頁顯示		× 問答…
					You have successfully	logged in.	
							確定
					Current Sta	tue: Un Author	tiontod
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				Authentic	ation Login		
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					Password		
							Enter Clear
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http://10.9	90.90.92/form/Lo × D 10.90.90.91	× 💙 訪問 – Ya	hoo奇摩字具 ×	Yahoo奇摩字典	× G Google	×	
⇒C	https://www.google.com	m.tw/?gfe_rd=cr&ei=UZ	P6VbP9I4bf8ge	N17vYCw&gws_	rd=ssl		Q 🖣 S
總用程式	Bookmarks portal.dlink.com.tw	CCNA	⑤馬哥的 Linux 和 ····	159 🕒 PMD 🛐	Yanoo奇摩子典 🍫 網路管理相關問答	···· W Powe 您要讓 Goog	le Chrome 儲存您在這個網站設定的密(
ogle+	搜寻 圖片 地圖 Play You	Tube 新聞 Gmail 更	哆-			admin	
							磁存密碼 不需要 ▼
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					● 台灣		
		1				J	
				Google 搜	尋 好手氣		

3.Show WAC info(You can see the PC's MAC)

Switch#sh authentication sessions wac Interface: eth1/0/5 MAC Address: 44-39-C4-4F-08-B5 Authentication VLAN: 1 Authentication State: Success Accounting Session ID: 0000000000B Authentication Username: admin Client IP Address: 192.166.12.88 Aging Time: 1949 sec Method State WEB-based Access Control: Success, Selected Total Authenticating Hosts: 0 Total Authenticated Hosts: 1 Total Blocked Hosts: 0