

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 un-authenticated, 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 Virtual IP 2.2.2.2 to authenticate web page then randomly assign redirect path ,in this case ,we use "<http://google.com>".

```
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
```

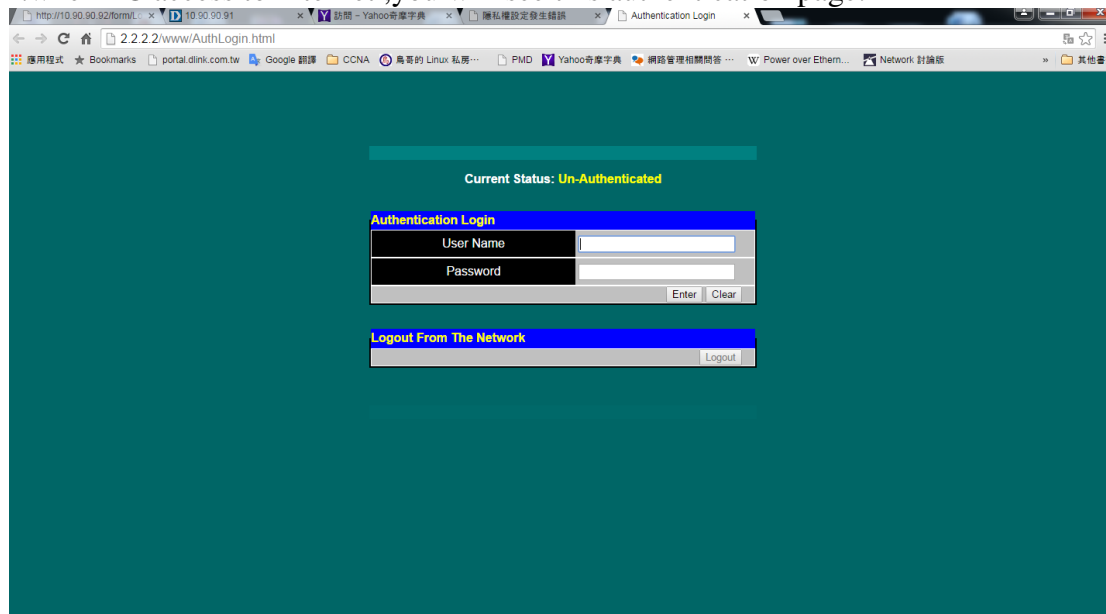
Step 4

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

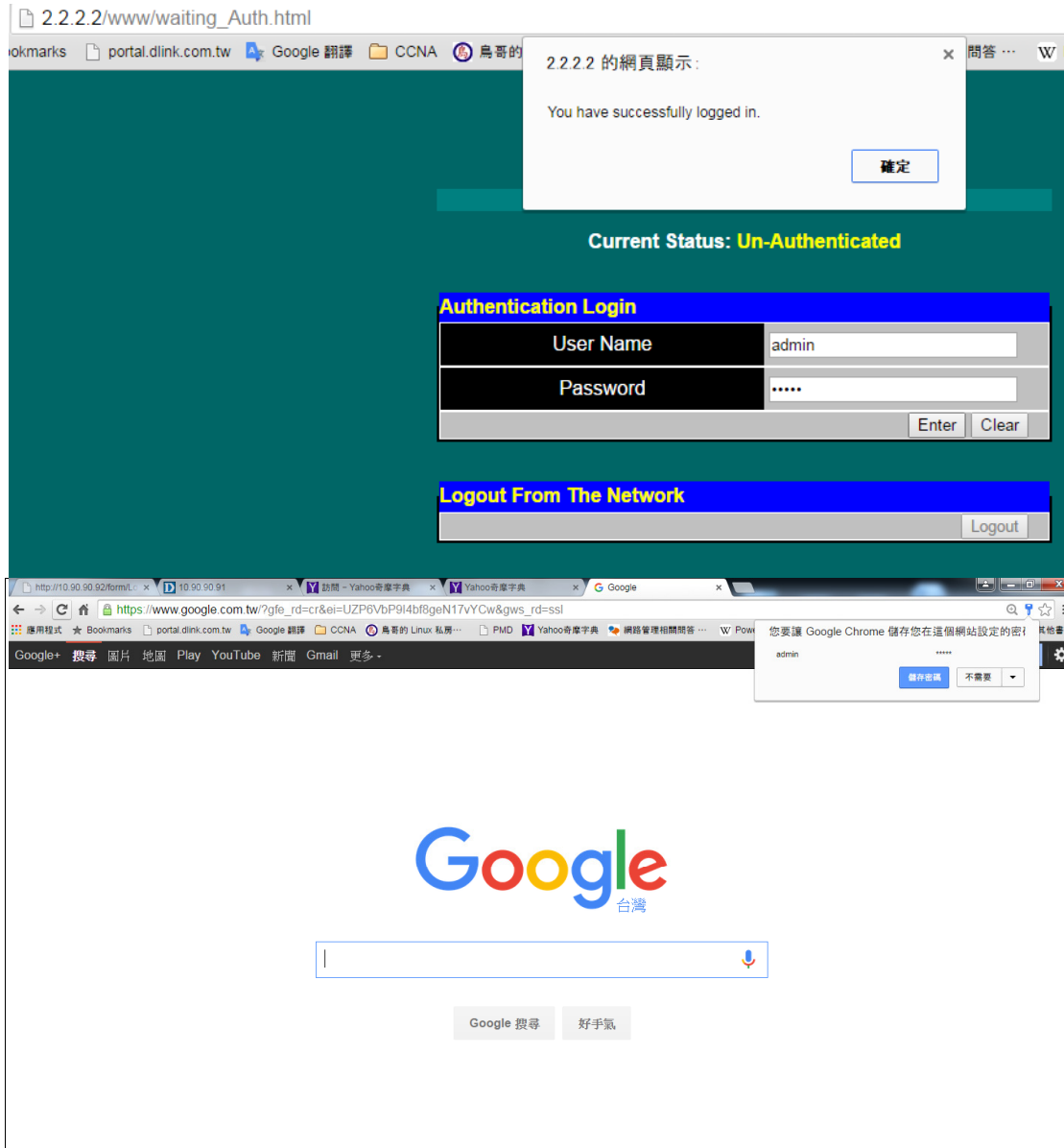
```
authentication username USER password USER vlan <VID>
```

[Verification]

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



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".



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: 0000000000CB
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
```