How to set up Captive Portal using DWS-4026?

Customer requires setting up Captive portal function using DWS-4026; the configuration and step-by-step procedure are as followed.

[Topology]

PC01--- (LAN) DWS-4026 (LAN) ---NAT router---Internet

I

(LAN)

DWL-6600 (WLAN) --- (wireless connection) PC02

[Devices]

PCx2

DWS-4026 (firmware version: 4.3.0.3_B017)

DWL-6600 (firmware version: 4.2.0.9_B016)

[Configuration Procedure]

D-Link Building Networks for People	Define of a low of a		🔀 Logout 😵 Help
🔄 DWS-4026	System Description		
Image: Second	System Description System Cotation System Cotatot IP Address System Object ID System Time (typy-tm-dd hm:s) System Up Time Current SNTP Synchronized Time	D-Link 56302 System, 4.3.0.3_B017, VWWorks 6.6 192 166 13 150 192 166 13 150 192 166 13 177 10 73 5.1 2014	
		Submit	

1. First upgrade firmware to 4.3.0.3_B017.

D-Link Building Networks for People		ant r Canada 📽 anta 2 Canada
DWS-4026	Network Connectivity Configuration	
System Description	IPv4	
Switch Configuration	Network Configuration Protocol	DHCP V
Card Configuration	IP Address	192 166 13 150
PoE Configuration	Subnet Mask	255 255 255 0
B Address	Default Gateway	192 166 13 200
Network DHCP Client Or	Burned In MAC Address	00:01:02:03:04:00
HTTP Configuration	Locally Administered MAC Address	00.00.00.00.00
User Accounts	NAC Address Time	00.00.00.00
Authentication List Conf	MAC Address Type	Burned In
Authentication List Sele	Management VLAN ID	1
User Login	Web Mode	Enable •
Password Management	Java Mode	Enable *
Denial Of Service Protec		
Multiple Port Mirroring	Submit Renew DH	CP IP Address
Telnet Sessions		

2. We use DHCP and gain the IP address 192.166.13.150 and 192.166.13.200 as gateway from DHCP server.

D-Link Building Networks for People		2 Constitution	🔀 Logout 🕲 Help
DWS-4026	Global Configuration		
Bar Security	Enable Captive Portal		
Global Configuration	CP Global Operational Status	Enabled	
CP Configuration	Additional HTTP Port	0 (0 to 65535, 0 - Disable)	
E FB WiFiAuth Configurati	Additional HTTP Secure Port	0 (0 to 65535, 0 - Disable)	
Local User	Peer Switch Statistics Reporting Interval (secs)	120 (15 to 3600, 0 - Disable)	
Interface Association CP Status	Authentication Timeout (secs)	300 (60 to 600)	
Interface Status	s	ubmit Refresh	
Client Connection Status			
SNMP Trap Configuratio			
Monitoring			
B WLAN Visualization			

3. Now we start to configure the Captive Portal function, we check Enable Captive Portal at Global configuration

D-Link Building Networks for People	D-L	0 DAMAGTEIPHC 0 Pat Cescolic 2 4 6 0 10 1	1 13 15 17 19 21 23 ConstalConst 12 14 16 16 20 22 24 ConstalConst	os ≓ I ot	🖉 Legent 🗞	Help
DWS-4026 Scuthy Captive Portal - Captive Portal - Captive Configuration - Caption Configura	CP Summary Default CP Configuration (English) CP Configuration			_	CP Configuration 1-Default	
Interface Association	Enable Captive Portal		Idle Timeout (secs)	0	(0 to 900)	
CP Status	Configuration Name	Default	Session Timeout (secs)	86400	(0 to 86400)	
Client Connection Status	Protocol Mode	HTTP OHTTPS	Max Up Rate (bytes/sec)	0	(0 = unlimited)	
SNMP Trap Configuratio	Verification Mode	Local 🔻	Max Down Rate (bytes/sec)	0	(0 = unlimited)	
E Monitoring	User Logout Mode	U	Max Receive (bytes)	0	(0 = unlimited)	
🗉 🧰 Administration	Popup Logout Window		Max Transmit (bytes)	0	(0 = unlimited)	
🖲 🧰 WLAN Visualization	Enable Redirect Mode	✓	Max Total (bytes)	0	(0 = unlimited)	
Scheduler	Redirect To User Original URL	✓				
	Redirect URL					
	RADIUS Auth Server	Default-RADIUS-Server				
	User Group	1-Default T	Add Delete Modify			
		Cod	le Language			
		en	(English)	Clear		
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4. We configure the AP profile "Default", we enable the Captive portal checkbox, and we use Local user as our Verification mode.

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C DWC 4026							
Constant	Local User Summary Local User Computation						
becanty	Local User Configuration						
Captive Portal							
Global Configuration	Session Timeout (secs) 0 (0 to 86400)						
CP Configuration	User Name test						
E Wisiouth Configurati	Pageword 1 8 to 64 charactere)						
Eccal User	Max Up Rate (bytes/sec) 0 (0 = unlimited)						
Interface Association	User Group 1-Default Max Down Rate (bytes/sec) 0 (0 = unlimited)						
CP Status	Max Receive (bytes) 0 (0 = unlimited)						
Interface Status	Max Transmit (hytes) 0 (0 = unlimited)						
Client Connection Status							
SNMP Trap Configuratio	Max total (bytes) 0 (0 = unimited)						
🖲 🧰 Monitoring							
🖻 🧰 Administration	Delete Submit Refresh						
🗄 🧰 WLAN Visualization							

5. We then add a Local user account for authentication at the Local user column, the username/password for which we used for testing is test/12345678.

D-Link Building Networks for People		🎾 Logout 🔹 Help
🔄 DWS-4026	Interface Association	
🗄 🚞 Security		
🖹 🔄 Captive Portal	CP Configuration 1 - Default T	
Global Configuration	Associated Interfaces R/I-Wireless Network 1 - CP test	
CP Configuration	8/3-Wireless Network 3 - dlink3	
- 🗑 FB WiFiAuth Configurati	8/4-Wireless Network 4 - dlink4	
- 🗑 Local User	Bin Charles Carlino Car	
Interface Association	8/7-Wireless Network 7 - dlink7	
CP Status	8/8-Wireless Network 8 - dlink8	
Interface Status		
Client Connection Status		
SNMP Trap Configuratio	Delete	
🖻 🧰 Monitoring		
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6. Now for the final CP setting, we must add a wireless network for which will redirect to our CP page, we choose the Wireless Network 1 with SSID "CP_test" as our associated interface.

D-Link Building Networks for People	D-Link O Power O Coecole o RPS O WS-4026	25 26] WOLE O O IN	MACT/Spoc E Concole		3 11 13 15 17 13 0 12 14 16 10 20	21 23 Control Co	nbo3 72					
	1001										Logout	e Help
DWS-4026	All AP Status											
Security												
Clobal Configuration	MAC address	Location	Switch Port	IP Address	Software Version	Age	Status	Profile 1 Default	Radio	Channel	Authenticated Clients	
CP Configuration	<u>IC.73.10.17.08.00</u>		0/15	192,100,15,100	4.2.0.9_0010	011.0111.35	manageu	Perault	2-802.11b/g	1	ó	
FB WiFiAuth Configu	cc:b2:55:83:2e:c0	N/A	N/A	192, 166, 13, 198	N/A	0h:0m:7s	No Database Entry	N/A	N/A	N/A	N/A	
- Local User												
Interface Association	00:03:7f:be:f1:0b	N/A	N/A	N/A	N/A	0h:57m:2s	Unknown	N/A	802.11b	10	N/A	
CP Status	00:12:84:26:91:10	N/A	N/A	N/A	N/A	0h:42m:42s	Unknown	N/A	802.11b	1	N/A	
Interface Status	00:19:07:02:10:02	NIA	NVA	NZA	NVA	06:42:0:42:	Unknown	N/A	000 446		NZA	
Client Connection Sta	00.10.07.52.10.05	DUA	N/A	DUA .	DUA	011.42111.425	UNKNOWN	N/A	002.110	1	DVA	
SNMP Trap Configure	00:18:e7:95:60:27	N/A	N/A	N/A	N/A	0h:59m:32s	Unknown	N/A	802.11b	1	N/A	
Monitoring	00.18.e7.95.70.d4	N/A	N/A	Ν/Δ	N/A	0h:41m:42s	Unknown	N/A	802 115	2	N/A	
Global	- Serielerissirelari					011.4111.420	Children		002.110	-		
Access Point	00:18:e7:95:75:34	N/A	N/A	N/A	N/A	0h:52m:28s	Unknown	N/A	802.11b	11	N/A	
All AP Status	00:18:e7:95:80:f0	N/A	N/A	N/A	N/A	0h:9m:54s	Unknown	N/A	802.11a	48	N/A	
Managed AP Status												
AP Authentication Fa	00:18:e7:95:80:18	N/A	N/A	N/A	N/A	Un:56m:31s	Unknown	N/A	802.116	9	N/A	
AP RF Scan Status	00:18:e7:95:81:ea	N/A	N/A	N/A	N/A	0h:5m:54s	Unknown	N/A	802.11b	6	N/A	
AP De-Authentication	00.24.01.19.70.95	NIA	NVA	NZA	NVA	0h:21m:27e	Unknown	NI/A	903 116	2	NZA	
🖲 🔲 Client	00.24.01.10.70.00	DV/A	N/A	DUA .	DUA	011.31111.275	UNKNOWN	N/A	002.110	2	DVA	
RRM	00:26:95:12:84:71	N/A	N/A	N/A	N/A	0h:47m:28s	Unknown	N/A	802.11b	11	N/A	
WDS Managed APs	00:90:4c:01:6d:60	N/A	N/A	N/A	N/A	0h:55m:32s	Unknown	N/A	802.11b	6	N/A	
Administration												
WLAN Visualization	00:90:4c:c1:00:00	N/A	N/A	N/A	N/A	0h:57m:2s	Unknown	N/A	802.11b	1	N/A	

7. This setting is just to manage an AP for our test, we choose the AP we want to manage and press manage at the bottom of the page.

	D-Link	1 3 5	7 9 11 13 15 17 19	21 23 Contol Conto3 💳			
D-Link	Control 0 25 Control 0 26 BPS 0 26 DGE O DeE						
	DWS-4026	Concole 2 4 6	8 50 12 14 56 18 20	22 24 Combol Combol			
N WLAN	K Tool				2 Logout		
WS-4026	Status Statistics						
Security	Summary Detail Radio Summary Radi	o Detail Neighbor	r APs Neighbor Clien	ts VAP VAP TSPEC Distributed To	unneling		
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CP Configuration	Managed AP Status						
FB WiFiAuth Configu Local User Interface Association CP Status	MAC Address (*)-Peer Switch Managed Location Port IP fc?/51/5?/7:0erc0 0/13 19	Softward Address Version 22.166.13.160 4.2.0.9	e Age Status B016 0d:00:00:01 Manage	Configuration Status Profile Radio C 1-Default 1-802.11a 4 2-802.11b/g 1	Authenticated Scheduler Global Scheduler Global Reason 0 1 Disabled 0		
Interface Status Client Connection Sta SNMP Trap Configure			Delete De	lete All Refresh 🗹 Auto Refresh			
Monitoring							
	D-Link	1 3 5	7 9 11 13 15 17 19	21 23 Control Control 💳			
D-Link	O Power 0 25 O Concole 0 1002 0 PoE 0 PoE						
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8. After the AP has been managed we can see from the Managed AP status that it currently has IP address 192.166.13.160, with our AP profile "Default".

[Test Results]

← ⊕ @ http://19216613150/captive_portal.html*pl=1&p2=2.0 • C @ Captive Portal ×	
D-Link Building Networks for People	Welcome!
Acceptance Use Policy Enter your Usemanie Usemanie Password	^
Connect To start using this service, enter your credentials and click the Connect button. Check here to indicate that you have read	and accepted the Acceptance Use Policy.
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From the above screenshot we can see that after connecting to SSID "CP_test", we are redirected to the first screenshot page, we can then log-in with the local account set up earlier, and we are then directed to the second screenshot page, which tells you that you are connected to the internet.

[End of Document]