

HowTo: Einrichtung eines Cluster zwischen 2 und mehr DWC-1000

[Voraussetzungen]

- 1. DWC-2000 mit Firmware Version: 4.4.0.3B101 und höher
- 2. DWC-1000 mit Firmware Version: 4.4.1.2 und höher

2. Kompatibler AP mit aktueller Firmware > 4.2.0.x, und höher (DWL-8610, DWL-8600AP, DWL-6700, DWL-6610, DWL-6600AP, DWL-3600AP & DWL-2600AP)

[Szenario]

2 DWC-1000/2000 sollen im Cluster verbunden werden, um insgesamt 12 x DWL-6600AP zu verwalten. (Dieser Aufbau kann, je nach Anzahl der vorhandenen AP-Lizenzen, auf max. 96 APs im Peer-Verband DWC-1000 sowie 1024 APs im Peer-Verband DWC-2000 erweitert werden)





[Vorbereitung]

- ⇒ Der DWC-1000/2000 hat im Auslieferungszustand die Standard IP 192.168.10.1/24 sowie den Benutzernamen "admin" & Passwort "admin"
- ⇒ Bitte ändern Sie dies bei der Ersteinrichtung (Integration in Ihre bestehende Infrastruktur) des DWC-1000/2000 in Ihrem Netzwerk, für die genaue Vorgehensweise der Einstellung der IP & des Benutzernamens schlagen Sie bitte im Handbuch (<u>ftp://ftp.dlink.de/dwc/dwc-1000/documentation/DWC-1000_HowTo/</u> && <u>ftp://ftp.dlink.de/dwc/dwc-2000/documentation/DWC-2000_HowTo/</u>) nach
- ⇒ Stellen Sie bitte sicher, dass Sie die aktuellste Firmware für den DWC-1000 installiert haben (<u>ftp://ftp.dlink.de/dwc/dwc-1000/driver_software/</u> && ftp://ftp.dlink.de/dwc/dwc-2000/driver_software/)
- ⇒ Bitte lesen Sie vorab das Handbuch und die bereits vorhandenen Anleitungen um die grundlegende Konfiguration des DWC-1000/2000 zu erledigen.
- ⇒ Bitte lesen Sie vorab das Handbuch und die bereits vorhandenen Anleitungen um die grundlegende Konfiguration des entsprechenden DWL-x600 zu erledigen.
- Mit der derzeitigen Firmwareversion werden im Peer-Verband bei einem Ausfall Captive Portal Sitzungen und Benutzer nicht vom Mastercontroller auf den Slavecontroller übertragen.
- ⇒ Je nach Konfiguration des Peering ist es möglich, ein Active-Backup Ausfallszenario oder eine Erweiterung der maximalen Anzahl der managebaren APs zu konfigurieren. Eine Mischung der beiden Betriebsarten ist innerhalb des Gesamtmaximums der APs je DWC und der maximalen APs im Cluster/Peer-Verband möglich.



[Abgeschlossene Vorarbeiten]

1.) IP Adresseinstellungen der entsprechenden DWC-1000/2000 durchgeführt a. DWC-1000 Peer-Master IP = 192.168.10.1/24

Network » LAN » LAN Settings	00
The LAN Configuration page allows you to configur affect all devices connected to the router's LAN s hosts to be in the same subnet and use the new a	re the LAN interface of the router including the DHCP Server which runs on it and Changes here witch and also wireless LAN clients. Note that a change to the LAN IP address will require all LAN ddress to access this GUI.
LAN Settings	
IP Address Setup	
IP Address	192.168.10.1
Subnet Mask	255.255.255.0
DHCP Setup	
DHCP Mode	DHCP Server
Default Gateway	192.168.10.1
Domain Name	DEUR-LAB
Lease Time	1 [Range: 1 - 262800] Hours
Configure DNS / WINS	ON
Primary DNS Server	192.168.10.1

b. DWC-1000 Peer-Slave IP = 192.168.10.3/24

Network » LAN » LAN Settings » IPv4 LAN Settings				? ?
IPv4 LAN Settings IPv6 LAN Settings IPv6	Address Pools	IPv6 Prefix Lengt	h Router Advertisement	Advertisement Prefixes
The LAN Configuration page allows you to configure affect all devices connected to the controller's LAN hosts to be in the same subnet and use the new add	e the LAN interfac switch and also w dress to access th	ce of the controller rireless LAN clients is GUI.	including the DHCP Server w Note that a change to the	rhich runs on it and Changes here LAN IP address will require all LAN
LAN Settings				
IP Address Setup	192 168 10 3			
Subnet Mask	255.255.255.0			
DHCP Setup				
DHCP Mode	None	•		
Domain Name	DLink			
Default Route Enable Default Route	ON TIT			
Gateway	192.168.10.1			
DNS Server	192.168.10.1			
SNAT	OFF			



2.) Das AP-Profil wurde bereits am zukünftigen Peer-Master DWC-1000 erstellt und konfiguriert.

Wireless » Access	Point » AP Profi	les » AP Profi	le Radio				0 0	
AP Profiles	AP Profile Radi	o AP Profile	e SSID AP Pi	rofile QoS				
This page contains operates in the IE frequency in which Access Point P	This page contains several parameters that are not available for the default. AP Profile.AP can support up to two radios. By default, Radio 1 operates in the IEEE 802.11a/n/ac mode, and Radio 2 operates in the IEEE 802.11b/g/n mode. The difference between these modes is the frequency in which they operate. IEEE 802.11a/n/ac operates at 5 Ghz frequency and IEEE 802.11b/g/n operates at 2.4 GHz frequency. Access Point Profiles Radio List							
Show 10 💌 en	tries [Right click	on record to g	et more option	IS]			٩	
AP Profile Name	Radio Mode ⊖	Status ⊖	Sentry Mode ⊖	Initial Power ⊖	Minimum Power ⊖	Max. Clients ⊖	Support Channels ⊖	
1-Default	802.11n/ac	On	Disabled	80%	60%	30	36,40,44,48,52,56,60,64,100,104,108,112	
1-Default	802.11b/g/n	On	Disabled	80%	60%	30	1,2,3,4,5,6,7,8,9,10,11,12,13	
Showing 1 to 2 of 2	entries						First Previous 1 Next > Last >	

Wireless » Access Point » AP Profiles »	AP Profile SSID					? •	
AP Profiles AP Profile Radio AP	Profile SSID AP P	rofile QoS					
This page displays the virtual access poin Service Set Identifier (SSID).We can conf	his page displays the virtual access point (VAP) settings associated with the selected AP profile. Each VAP is identified by its network number and ervice Set Identifier (SSID). We can configure and enable up to 16 VAPs per radio on each physical access point.						
Access Point Profiles SSID List							
AP Profile	1-Default		•				
Radio Mode	802.11	n/ac 🔘 8	802.11b/g/n				
Show 10 rentries [Right click on re	ecord to get more opt	ions]				٩	
SSID Name 🗘	SSID Status Θ	VLAN \varTheta	Hide SSID ⊖	Security ⊖	Redirect ⊖	Captive Portal ⊖	
1-broadway 💌	Enabled	1-Default	Disabled	WPA Personal	None	Free	
2-Broadway	Enabled	1-Default	Disabled	WPA Personal	None	Free	



3.) Bei einem Layer3 Peering die IP Adresse des "Peer" Switches in der Poll List eintragen

a. Peer Master

Wireless » Access Point » AP Poll List » IP Discovery	0 0
IP Discovery VLANs Discovery	
This page contain all the information about IP Address which can be configured addresses of peer controller and APs for the controller to discover and associat	for peer controllers. The IP Discovery list can contain the IP e with as part of the WLAN.
IP Discovery	
Pool List Discovery Setup L3 / IP Discovery	
Save Cance	
IP Discovered List	
Show 10 relation entries [Right click row to see more options]	٩
IP Address	
192.168.10.3	Polled
Showing 1 to 1 of 1 entries	First Previous Next > Last >
b. Peer Slave	
IP Discovery VLANs Discovery	
his page contain all the information about IP Address which can be configured f ddresses of peer controller and APs for the controller to discover and associate Discovery	or peer controllers. The IP Discovery list can contain the IP with as part of the WLAN.
Pool List Discovery Setup L3 / IP Discovery	
Save Cancel	
IP Discovered List	
Show 10 v entries [Right click row to see more options]	٩
IP Address	G Status ⊕
192.168.10.1	Not Polled



[Einstellen des Peering]

- 1.) Auswahl des Master-Controllers
 - a. Gehen Sie hierzu auf "Advanced -> Global -> General"
 - b. Passen Sie nun die "Peer Group ID" des PeerMaster DWC-1000/2000 an
 - c. Passen Sie nun die "Cluster Priority" des PeerMaster DWC-1000/2000 an
 - i. Cluster Master wird der DWC-1000/2000 mit dem höchsten Wert (z.B. 255)

Wireless » General	0 0
This page will guide you through common and ea being enabled for working of wireless functionali	sy steps to configure your DWC-1000 router WLAN global settings.Make sure that WLAN controller is ity.
General Setting	
WI AN Global Setup	
WLAN Controller Operational Status	ON III
IP Add hoss	192.168.10.1
Peer Group ID	111 [Defadit: 1, Range: 1 - 255]
Client Roam Timeour	[Range: 1 - 120] Seconds
Ad Hoc Client Status Timeout	1 [Range: 0 - 168] Hours
AP Failure Status Timeout	1 [Range: 0 - 168] Hours
Client MAC Authentication Mode	White-list Delack-list
RF Scan Status Timeout	1 [Range: 0 - 168] Hours
Detected Clients Status Timeout	1 [Range: 0 - 168] Hours
Tunnel IP MTU Size	
Cluster Priority	255 [Range: 0 - 255]
AP Client QoS	on 1000
Radius Authentication Server	Default-RADIUS-Server
Radius Authentication Server Status	Configured
Radius Accounting Server	Default-RADIUS-Server
Radius Accounting Server Status	Configured
Global Accounting Mode	III OFF
AP Validation AP MAC Validation	Local Radius Redius Red
Require Authentication Passphrase	OFF
Manage AP with Previous Release Code	UII OFF
Country Configuration Country Code	DE - Germany
	Save Cancel

Mittels des Button "Save Setting" speichern Sie Ihre Änderungen ab.



- d. Führen Sie diesen Vorgang nun erneut für den PeerSlave-DWC-1000/2000 durch
 - i. Cluster Slave wird der DWC-1000/2000 mit dem kleinsten Wert (z.B. 1)

General Setting	
WLAN Global Setup IP Address	192.168.10.3
Peer Group ID	111 Default: 1, Range: 1 - 255]
Client Roam Timeout	1 [Range: 1 - 120] Seconds
Ad Hoc Client Status Timeout	1 [Range: 0 - 168] Hours
AP Failure Status Timeout	1 [Range: 0 - 168] Hours
Client MAC Authentication Mode	White-list Black-list
RF Scan Status Timeout	1 [Range: 0 - 168] Hours
Detected Clients Status Timeout	1 [Range: 0 - 168] Hours
Tunnel IP MTU Size	
Cluster Priority	1 [Range: 0 - 255]
AP Client QoS	ON THE
Radius Authentication Server	Default-RADIUS-Server
Radius Authentication Server Status	Configured
Radius Accounting Server	Default-RADIUS-Server
Radius Accounting Server Status	Configured
Global Accounting Mode	OFF
AP Validation AP MAC Validation	Local Radius
Require Authentication Passphrase	III OFF
Manage AP with Previous Release Code	III OFF
Country Configuration Country Code	DE - Germany
	Save Cancel



2.) Passen Sie jetzt die zu peerenden Einstellungen auf dem Master-Controller ana. Wählen Sie die zu peerenden Einstellungen aus

Wireless » Peer Group » Peer Configuration	0	
This page allows you to select which parts of th configuration that has been sent to one or mor changes automatically propagate from one cont configuration to its peers.	ne configuration to copy to one or more peer controllers in the group.You can make changes to a e peer controllers, and you can make changes to a configuration received from a peer controller. N roller to the cluster; you must manually initiate a request on one controller in order to copy any	0
Peer Configuration		
General	ON THE	
Discovery	ON	
Channel / Power	ON	
AP Database	ON	
AP Profiles	ON	
MAC Authentication Database	ON	
Captive Portal	ON	
Radius Client	ON	
Controller Provisioning Mode	ON	
Mutual Authentication Mode	ON	
Unmanaged AP Reprovisioning Mode	ON	
	Save Cancel	

Mittels des Button "Save Setting" speichern Sie Ihre Änderungen ab.

! Beim DWC-1000 gibt es u.U. nicht alle Peer-Optionen des DWC-2000 !



b. Wiederholen Sie den Vorgang auf dem Slave-Controller

ireless » Peer Group » Peer Configuration	
nis page allows you to select which parts of onfiguration that has been sent to one or mo nanges automatically propagate from one con onfiguration to its peers.	he configuration to copy to one or more peer controllers in the group.You can make changes to a re peer controllers, and you can make changes to a configuration received from a peer controller. troller to the cluster; you must manually initiate a request on one controller in order to copy any
eer Configuration	
General	ON 100
Discovery	ON
Channel / Power	ON III
AP Database	ON 111
AP Profiles	ON 111
MAC Authentication Database	ON THE
Captive Portal	ON BUE
Radius Client	ON THE
Controller Provisioning Mode	ON
Mutual Authentication Mode	ON
Unmanaged AP Reprovisioning Mode	ON DUE
	Save Cancel

Mittels des Button "Save Setting" speichern Sie Ihre Änderungen ab.

- c. Auf dem Peer Master wählen Sie nun die IP-Adresse des/der Slave DWC-1000 aus
- d. Mittels des Button "Start Sync for All Peers" führen Sie nun das Übertragen der Einstellungen vom Peer-Master zum Peer-Slave aus

s page provides information abo ture allows you to send a variet chronized, this function allows	ut the status of the configuration upgrade on the control y of configuration information from one controller to all o you to manage all wireless controllers in the cluster from (llers in the cluster. The Peer Controller Configuration ther controllers. In addition to keeping the control one controller
er Status		
Configuration Request Status		
Status	Send Requested	
Total Count	3	
Success Count	0	
Failure Count	0	
Peer Configuration Sync		
Show 10 • entries [Right clic	k on record to get more options]	q
Peer IP Address	O Configuration Request Status	
192.168.10.3	Send Requested	
Showing 1 to 1 of 1 entries		First Previous Next > Last



e. Anschließend werden die Daten vom Peer-Master an den/die entsprechenden Peer-Slaves übertragen

nchronized, this function allows you to	manage all wireless controllers in the cluster from one contro	oller
er Status		
Configuration Request Status		
Status	Sending Config	
Total Count	1	
Success Count	0	
Failure Count	0	
Peer Configuration Sync		
Show 10 • entries [Right click on re	ecord to get more options]	٩
Peer IP Address	Configuration Request Status	Ę
192.168.10.3	Send in Progress	
Showing 1 to 1 of 1 entries		Li First d Previous 1 Next > Last >
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of c chronized, this function allows you to	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one cont	e cluster.The Peer Controller Configuratic rollers. In addition to keeping the contro roller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of c chronized, this function allows you to er Status	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contr	e cluster.The Peer Controller Configuration rollers. In addition to keeping the contro roller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of c chronized, this function allows you to er Status	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contr	e cluster.The Peer Controller Configuration crollers. In addition to keeping the contro coller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of c chronized, this function allows you to er Status onfiguration Request Status Status	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contr Complete	e cluster.The Peer Controller Configurati rollers. In addition to keeping the contro roller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of ci- chronized, this function allows you to er Status Status Total Count	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contr Complete 1	e cluster.The Peer Controller Configuration rollers. In addition to keeping the contro roller
Start Sync for All Poers eless » Peer Group » Peer Status spage provides information about the ture allows you to send a variety of c chronized, this function allows you to er Status onfiguration Request Status Status Total Count Success Count	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contro Complete 1 1	e cluster.The Peer Controller Configuration rollers. In addition to keeping the contro roller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of c chronized, this function allows you to er Status Status Total Count Success Count Failure Count	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contro Complete 1 1 0	e cluster.The Peer Controller Configuratio rollers. In addition to keeping the contro roller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of co chronized, this function allows you to er Status configuration Request Status Status Total Count Success Count Failure Count teer Configuration Sync	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contro Complete 1 1 1 0	e cluster.The Peer Controller Configuratio rollers. In addition to keeping the contro roller
Start Sync for All Peers	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contro Complete 1 1 0 ecord to get more options]	e cluster. The Peer Controller Configuration crollers. In addition to keeping the contro roller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of ci- chronized, this function allows you to er Status fonfiguration Request Status Status Total Count Success Count Failure Count teer Configuration Sync Show 10 • entries [Right click on re- Peer IP Address	e status of the configuration upgrade on the controllers in the onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one control Complete 1 1 0 ecord to get more options] Configuration Request Status	e cluster. The Peer Con troller Configuratio rollers. In addition to keeping the contro roller
Start Sync for All Peers eless » Peer Group » Peer Status s page provides information about the ture allows you to send a variety of ci- chronized, this function allows you to er Status Configuration Request Status Status Total Count Success Count Failure Count Deer Configuration Sync Show 10 • entries [Right click on re Peer IP Address 192.168.10.3	e status of the configuration upgrade on the controllers in th onfiguration information from one controller to all other cont o manage all wireless controllers in the cluster from one contro Complete 1 1 0 ecord to get more options] Configuration Request Status Success	e cluster. The Peer Controller Configuration rollers. In addition to keeping the contro roller



3.) Nach dem erfolgreichen Peer-Vorgang prüfen Sie am Slave DWC-1000/2000 ob das AP-Profil korrekt übertragen wurde

Wireless » Access Point » AP Profile » A	P Profile SSID					3 0
AP Profiles AP Profile Radio AP	Profile SSID AP P	rofile QoS				
his page displays the virtual access point(VAP) settings associated with the selected AP profile. Each VAP is identified by its network number and ervice Set Identifier(SSID). We can configure and enable up to 16 VAPs per radio on each physical access point. ccess Point Profiles SSID List						
AP Profile Radio Mode	1-Default		•			
Show 10 • entries [Right click row	to see more options]	ill'ac O i	502.11D/g/ll			٩
SSID Name 🗘	SSID Status \varTheta	VLAN 😌	Hide SSID ↔	Security \varTheta	Redirect \varTheta	Captive Portal ⊖
1-broadway	Enabled	1-Default	Disabled	WPA Personal	None	Free
2-Broadway	Enabled	1-Default	Disabled	WPA Personal	None	Free

Wie Sie nun am Peer Slave DWC-1000/2000 erkennen können, wurden das AP-Profil, sowie die entsprechenden Radio-Einsellungen des Master DWC-1000 korrekt übertragen.

Wenn Sie nun am Peer-Master-DWC-1000/2000 eine Änderung am AP-Profil durchführen, so müssen Sie dies anschließend (nach dem lokalen Apply) auch mittels des Peering auf den/die Peer-Slave übertragen.



[Einstellung um das AP-Limit mittels des Peering zu erhöhen.]

4.) Passen Sie wie in Punkt 2 dieser Anleitung beschrieben die Peering-Einstellungen an.

Deaktivieren Sie die Option "AP Database", damit jeder DWC-1000/2000 die maximale Anzahl an APs managen kann.

Wireless » Peer Group » Peer Configuration							
This page allows you to select which parts of the configuration to copy to one or more peer controllers in the group.You can make changes to a configuration that has been sent to one or more peer controllers, and you can make changes to a configuration received from a peer controller. No changes automatically propagate from one controller to the cluster; you must manually initiate a request on one controller in order to copy any configuration to its peers.							
Peer Configuration							
General	ON 111						
Discovery	ON UI						
Channel / Power	ON III						
AP_Database	OFF OFF						
AP Profiles	ON THE						
MAC Authentication Database	ON THE						
Captive Portal	ON THE						
Radius Client	ON THE						
Controller Provisioning Mode	ON THE						
Mutual Authentication Mode	ON THE						
Unmanaged AP Reprovisioning Mode	ON						
	Save Cancel						



Wenn Sie nun z.B. ein Firmwareupdate auf allen managed APs durchführen wollen, so können Sie dies zentral durch den Peer-Master-DWC-1000/2000 durchführen.

Maintenance » Firmware » AP Firmware Download	0 0
AP Firmware Download AP Firmware Status	1
The Unified Wireless Controller can upgrade softwars controllers. It may take about 12 minutes for the upg	e on the APs that it manages. The Cluster Controller can update code on APs managed by peer wireless rade process to complete for an AP.
AP Firmware Download	
Server Address	192.168.10.168
Img_dwl8600	D-Link 8600 AP Radios
File Path	
File Name	DWL-8610AP_4302B036.tar
lmg_dwl3600/6600	D-Link 3600/6600 AP Radios
File Path	
File Name	DWL-8610AP_4302B036.tar
Img_dwl2600	D-Link 2600 AP Radios
File Path	
File Name	DWL-8610AP_4302B036.tar
Img_dwl8610	D-Link 8610 AP Radios
File Path	
File Name	DWL-8610AP_4302B042.tar
Img_dwl6700	D-Link 6700 AP Radios
File Path	
File Name	DWL-8610AP_4302B036.tar
Img_dwl6610	D-Link 6610 AP Radios
File Path	
File Name	DWL-8610AP_4302B036.tar
Group Size	6 [Default: 6, Range: 1 - 12]
Image Download Type	DWL-8610AP
Managed AP	All 3c:1e:04:f3:do:80-192.168.10.142 - b0:c5:54:e7:a0:00-192.168.10.58 -
	Save Start

Beachten Sie bitte, dass Sie am DWC-1000 jeweils immer nur maximal 12 APs gleichzeitig aktualisieren können. Der empfohlene Wert liegt beim DWC-1000 bei 6 APs.

Beachten Sie bitte, dass Sie am DWC-2000 jeweils immer nur maximal 64 APs gleichzeitig aktualisieren können. Der empfohlene Wert liegt beim DWC-1000 bei 12 APs.

Beachten Sie bitte, dass Sie alle Änderungen, welche Sie am Peer-Master-DWC-1000/2000 durchführen auch an die entsprechenden Peer-Slave-DWC-1000/2000 übermitteln.

Diese Einstellungen/Anpassungen werden automatisch auf den entsprechenden DWC-1000/2000 nach der Übermittlung durch den Peer-Master aktiv.



[Peerstatus prüfen]

0 I II 0 0

Status » Wireless Information » Clustering

Master



This page provides information about other Unified Wireless Controllers in the network. Peer wireless Controllers within the same cluster exchange data about themselves, their managed APs, and clients. The Controller maintains a database with this data so you can view information about a peer, such as its IP address and software version. If the Controller loses contact with a peer, all of the data for that peer is deleted.

eer controller	α clustering					
Peer Controller	Status					
Cluster Control	er IP Address	192.168.1	0.1			
Peer Controller	s	1				
Peer Controllers List						
Show 10 💌 er	ntries [No right cli	ick options]				٩
IP Address 🕁	Vendor ID 🕀	Software Version \oplus	Protocol Version ⊕	Discovery Reason 6	⊖ Managed AP Count ⊖	Age 😔
192.168.10.3	D-Link	4.2.0.1	2	IP Poll	0	0d:00:00:10
Showing 1 to 1 of 1 entries						

Peer

itatus » Wireless Information » Clustering 📀 🤇									
This page provides information about other Unified Wireless Controllers in the network. Peer wireless Controllers within the same cluster exchange data about themselves, their managed APs, and clients. The Controller maintains a database with this data so you can view information about a peer, such as its IP address and software version. If the Controller loses contact with a peer, all of the data for that peer is deleted.									
Peer Controller & Clustering Info									
Peer Controller Status Cluster Controller IP Address 192.168.10.1 Peer Controllers 1									
ID Vender Setture Dreteed Directory	Managed AD Age								
Address ID Version O Version O Reason	Count (DD:HH:MM:SS)								
192.168.10.1 D-Link 4.2.0.1 2 IP Poll	2 00:00:00:17								
Showing 1 to 1 of 1 entries									