

HowTo: Firmwareupdate DWC-managed Accesspoint

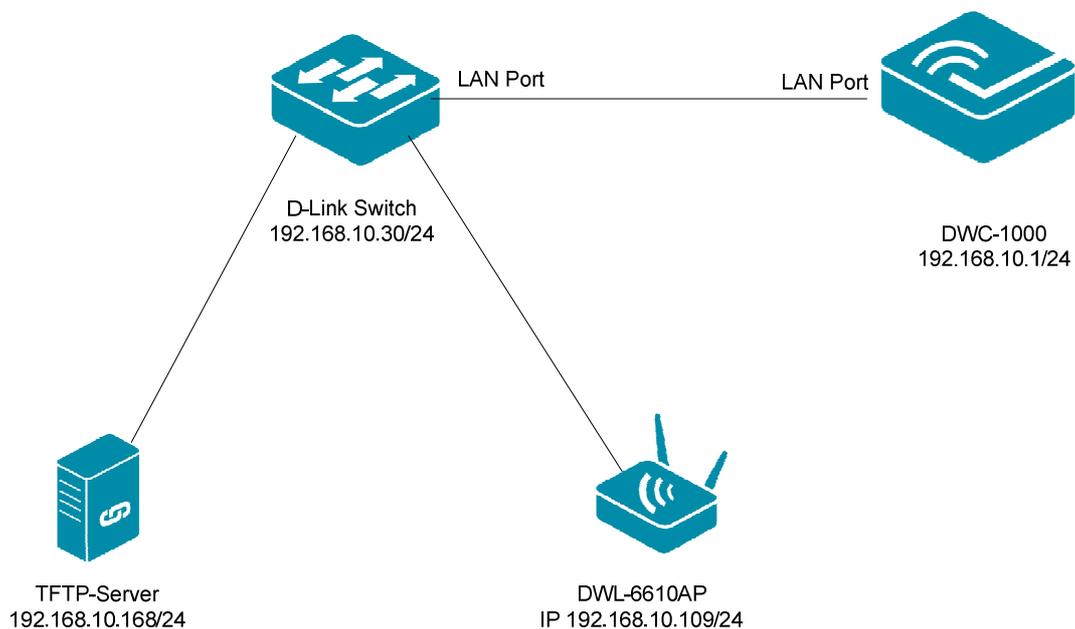
[Requirements]

1. DWC-1000/2000 with latest Firmware
 - *DWC-1000 with FW 4.6.0.x onwards*
 - *DWC-2000 with FW 4.6.0.x onwards*
2. compatible Unified-AP with latest Firmware
 - *DWL-8710AP/8610AP/8600AP/6700AP/6610AP/6600AP/3610AP/3600AP/2600AP with FW 4.2.0.x onwards*

[Scenario]

One Unified-AP, which is managed by an DWC-1000/2000, should be updated to a newer firmware version.

In this document we will only explain the HTTP-process. The other update possibilities are similar to this one.

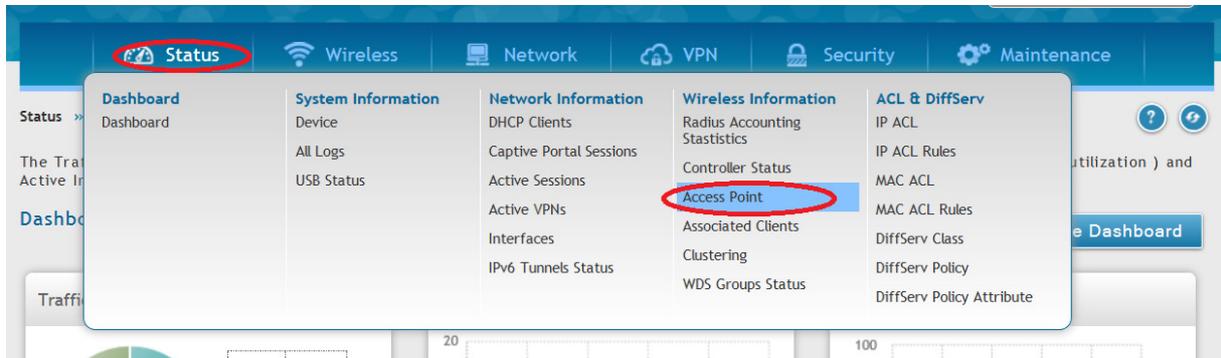


[Preparation]

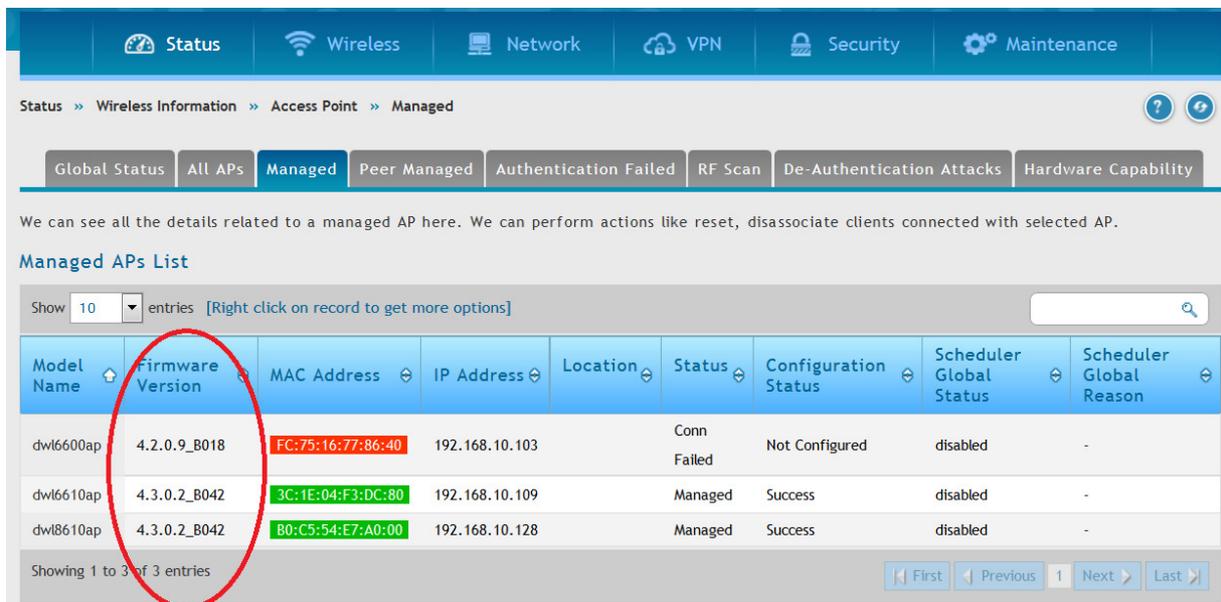
- ⇒ The accesspoints are correctly managed by the DWC-1000/2000
- ⇒ The latest firmware always can be downloaded from our FTP-Server <ftp://ftp.dlink.de>.
- ⇒ Please read in advance the manual and other available documentation to configure the wireless system.

[Preparation on the DWC-x000]

- 1.) Connect to your DWC-x000 and check the current firmware of the APs. Therefore navigate to „Status -> Wireless Information -> Access Point -> Managed“



- a. Here you can see the current Firmware Version installed on your managed APs



- b. If you use the right click on one managed AP you will get some advanced information menus for this selected AP.

Managed APs List

Model Name	Firmware Version	MAC Address	IP Address	Location	Status	Configuration Status	Scheduler Global Status	Scheduler Global Reason
dwl6600ap	4.2.0.9_B018	3C:1E:04:75:DC:80	192.168.10.103		Conn Failed	Not Configured	disabled	-
dwl6610ap	4.3.0.2_B042	B0:C5:54:E7:A0:00	192.168.10.109		Managed	Success	disabled	-
dwl8610ap	4.3.0.2_B042	B0:C5:54:E7:A0:00	192.168.10.128		Managed	Success	disabled	-

2.) Navigate now to „Maintenance -> AP Firmware -> AP Firmware Download“.

Maintenance

- Administration
 - System Setting
 - Date and Time
 - Session Settings
 - License Update
 - USB Share Ports
- Management
 - Remote Management
 - SNMP
 - Diagnostics
 - Power Saving
- Firmware
 - Firmware Upgrade
 - Backup / Restore
 - Soft Reboot
 - AP Firmware Download
- Logs Settings
 - Facility Logs
 - Routing Logs
 - System Logs
 - Remote Logs
 - Syslog Server
 - Event Logs

Maintenance >> Firmware & Config >> AP Firmware Download

It may take about 12 minutes for the upgrade process to complete for an AP.

AP Firmware Download | AP Firmware Status

The Unified Wireless Controller can upgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by peer wireless controllers. It may take about 12 minutes for the upgrade process to complete for an AP.

AP Firmware Download

Show 10 entries [Right click on record to get more options]

Model Type	Upgrade Type	File Location	AP Firmware Name
No data available in table			

Showing 0 to 0 of 0 entries

Add New Firmware

3.) Add now a new Firmware for the APs by „Add New Firmware“

AP Firmware Configuration

Model (AP Type)

Upgrade Type

External Devices USB 1 USB 2

Device Connection Status Not Available

Save

- a. Model (AP Type) = from the drop down menu select the AP-Type you want to update (f.e.DWL-8600AP)
- b. Upgrade Type = from the drop down menu select the way you want to upgrade the AP (f.e. HTTP)
 - i. If selecting USB, also choose the available and correct USB port, where you connected the media containing the AP-Firmware
 - ii. If selecting HTTP add the full Firmware-name in the Field "Firmware Name"
 - iii. If selecting TFTP add the full Firmware-name in the Field "Firmware Name"
- c. With „Save“ you confirm the settings.

AP Firmware Configuration

Model (AP Type)

Upgrade Type

Firmware Name

Save

4.) After adding the new Model-Type please repeat this step (3) for all other AP Models you use.

Operation Succeeded

AP Firmware Download | AP Firmware Status

The Unified Wireless Controller can upgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by peer wireless controllers. It may take about 12 minutes for the upgrade process to complete for an AP.

AP Firmware Download

Show 10 entries [Right click on record to get more options]

Model Type	Upgrade Type	File Location	AP Firmware Name
DWL-8600AP	HTTP		DWL-8600AP_4302B08.tar

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

[Add New Firmware](#)

Operation Succeeded

AP Firmware Download | AP Firmware Status

The Unified Wireless Controller can upgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by peer wireless controllers. It may take about 12 minutes for the upgrade process to complete for an AP.

AP Firmware Download

Show 10 entries [Right click on record to get more options]

Model Type	Upgrade Type	File Location	AP Firmware Name
DWL-8600AP	HTTP		DWL-8600AP_4302B08.tar
DWL-8610AP	HTTP		DWL-8610AP_4306.tar

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

[Add New Firmware](#)

5.) right click on one Model Type you can choose “Upgrade” for upgrading this one Model Type via the previous defined way

AP Firmware Download

Show 10 entries [Right click on record to get more options]

Model Type	Upgrade Type	File Location	AP Firmware Name
DWL-8600AP	HTTP		DWL-8600AP_4302B08.tar
DWL-8610AP	HTTP		DWL-8610AP_4306.tar

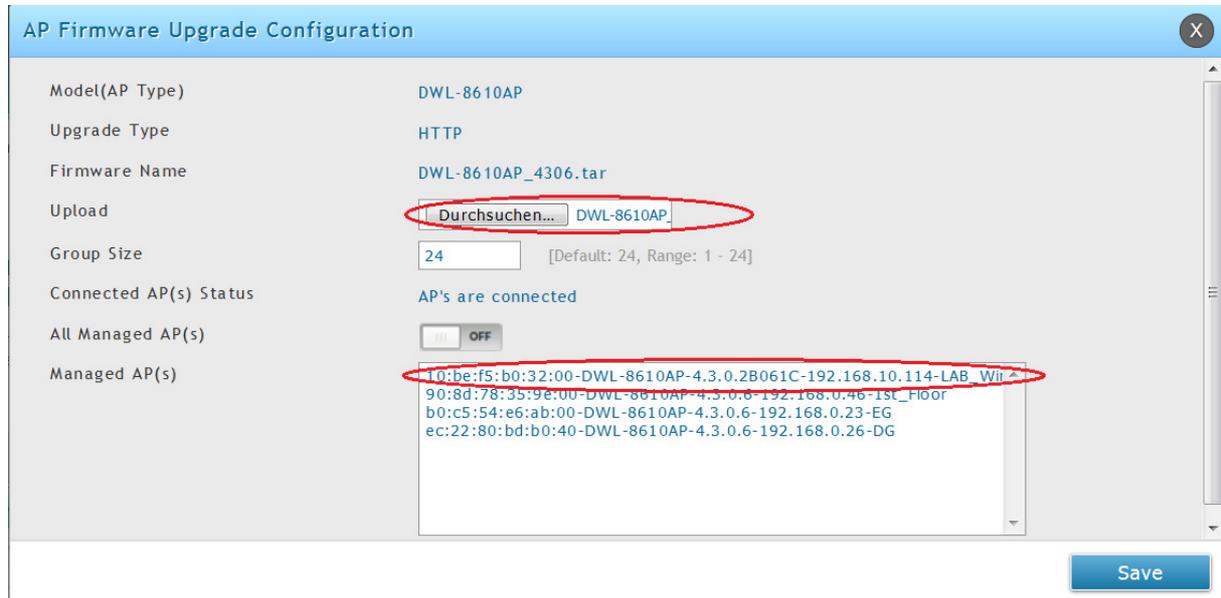
Showing 1 to 2 of 2 entries

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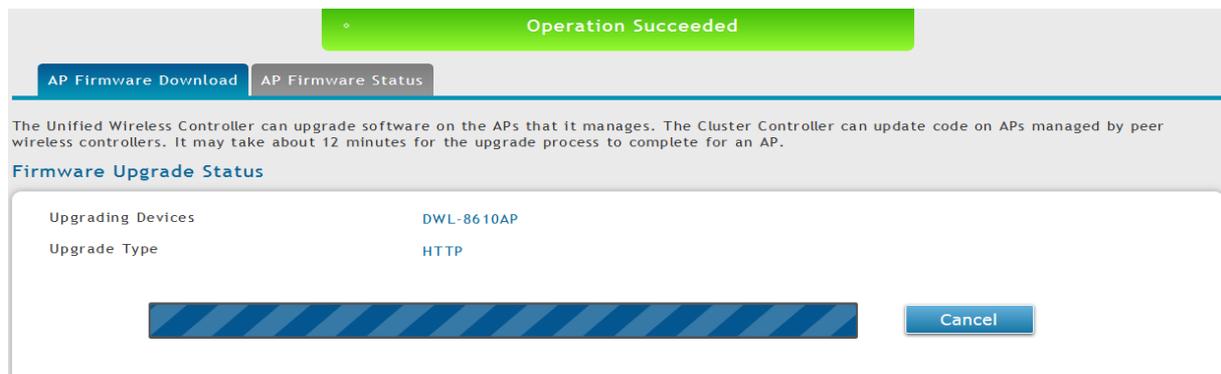
[Add New Firmware](#)

- Select All
- Edit
- Upgrade
- Upgrade All
- Delete

6.) By now right click on one Model Type you can choose “Upgrade” for upgrading this one Model Type via the previous defined ways



- a. Upload = select the new FW-file from your local source
- b. Managed AP(s) = select with STRG+left Mouse click single APs for update
 - i. If you want to update “ALL” APs of this type enable “All Managed AP(s)”
- c. Press “Save” to start the process.



The update takes about 12-15 minutes depending of how many APs you simultaneously update.

During one update process you can't modify or start alternate update processes.

After the update is finished you can see the status (success or failure) by checking the AP Firmware Status.

Maintenance >> Firmware & Config >> AP Firmware Download >> AP Firmware Status

AP Firmware Download | **AP Firmware Status**

This page displays the Code Download Status and Success/Failure of the AP firmware upgrade process.

AP Firmware Status

Code Download Status

Status	NVRAM Update In Progress
Download Count	1
Success Count	0
Failure Count	0
Abort Count	0

AP Firmware Status

Show 10 entries [No right click options]

AP MAC	Location	Status	Firmware Version
10:be:f5:b0:32:00	LAB_Window	NVRAM Update In Progress	4.3.0.2B061C

Showing 1 to 1 of 1 entries

First Previous 1 Next Last