



Firmware Version: 1.15.B017
Boot Code Version: 1.00.006
MIB Version: 1.15.B017
Published: July. 19, 2019

These release notes include important information about D-Link switch firmware revisions. Please verify that these release notes are correct for your switch:

- If you are installing a new switch, please check the hardware version on the device label; make sure that your switch meets the system requirement of this firmware version. Please refer to [Revision History and System Requirement](#) for detailed firmware and hardware matrix.
- If the switch is powered on, you can check the hardware version by typing "show switch" command via Telnet or by checking the device information page on the web graphic user interface.
- If you plan to upgrade to the new firmware release, please refer to the [Upgrade Instructions](#) for the correct firmware upgrade procedure.

For more detailed information regarding our switch products, please refer to [Related Documentation](#).

You can also download the switch firmware and technical documentation from <http://tsd.dlink.com.tw>.

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Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
Runtime: V1.15.B017 Boot: 1.00.006	19-July.-2019	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B016 Boot: 1.00.006	14-June.-2019	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B015 Boot: 1.00.006	31-Mar.-2019	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B014 Boot: 1.00.006	5-Mar.-2019	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B013 Boot: 1.00.006	21-Dec.-2018	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B012 Boot: 1.00.006	20-Nov.-2018	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B011 Boot: 1.00.006	14-Sep.-2018	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B010 Boot: 1.00.006	26-Apr.-2018	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B009 Boot: 1.00.006	12-Apr.-2018	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B008 Boot: 1.00.006	30-Mar.-2018	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B007 Boot: 1.00.006	22-Mar.-2018	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.B006 Boot: 1.00.006	22-Dec.-2017	DXS-1210-10TS/12TC/12SC A2	A2
Runtime: V1.15.005 Boot: 1.00.006	19-June.-2017	DXS-1210-10TS/12TC/12SC A2	A2

Upgrade Instructions:

D-Link Switches support firmware upgrade via TFTP server. You can download the firmware from D-Link web site <http://tsd.dlink.com.tw>, and copy the downloaded firmware to the TFTP server folder. Please make sure that the TFTP server is accessible from the switch via networks.

Upgrade using CLI (via Console or Telnet)

1. If you use Telnet, please make sure the network connection between the switch and PC is active. If you use Console, please use "Serial to USB" cable connect switch console port and PC USB interface.

2. Via Telnet: Use software that supports telnet, for example, HyperTerminal or Telnet command in Microsoft Windows, to connect to the switch. If you are using Telnet command, type the command followed by the switch IP address, eg. *telnet 10.90.90.90*.

Via Console: Use software that supports serial communication, for example, HyperTerminal, Putty or SecureCRT to connect switch console port with band rate **115200**.

3. The logon prompt will appear.

The switch will prompt the user to enter his/her username and password. Both the default user name and password are "**admin**".

The switch not support to upgrade current startup image id, will automatically upgrade to another image id.

To upgrade the switch firmware, execute the following command:

Command	Function
copy tftp://LOCATION/SOURCE-URL	Download firmware file from the TFTP server to the switch.

When completing firmware upgrade, the following messages will pop up.

```
Switch# copy tftp://10.90.90.99/DXS-1210-10TS_12TC_12SC_A2_FW_V1.15.005.hex
TFTP Firmware Upgrade processing.....Do not power off!!
Firmware upgrade successfully!
Switch#
```

4. Select image id that was successful upgrade firmware as next start up image id, reboot system and execute the following command to check the firmware version and switch's information.

Command	Function
show switch	Display the information of current firmware and boot version.
show firmware	Display the information of the image or firmware.

Example:

```
1. Switch# copy tftp://10.90.90.99/DXS-1210-10TS_12TC_12SC_A2_FW_V1.15.005.hex
TFTP Firmware Upgrade processing.....Do not power off!!
Transferring firmware..... 10%
Firmware upgrade successfully!
```

```
Switch#
2. Switch> show switch
```

Command: show switch

Device Information

```
Device Type       : DXS-1210-12SC 10GbE Smart Managed Switch
System Name       : Switch
System Location   :
System Contact    :
Boot PROM Version : 1.00.006
Firmware Version  : V1.15.005
Hardware Version  : A2
MAC Address       : 00-99-22-88-11-66
IP Address        : 10.90.90.90
Mask              : 255.255.255.0
Gateway          : 0.0.0.0
System Time       : 01/01/2017 00:12:35
Serial Number     : QBDGS12102800
```

```
3. Switch> show firmware
```

Command: show firmware

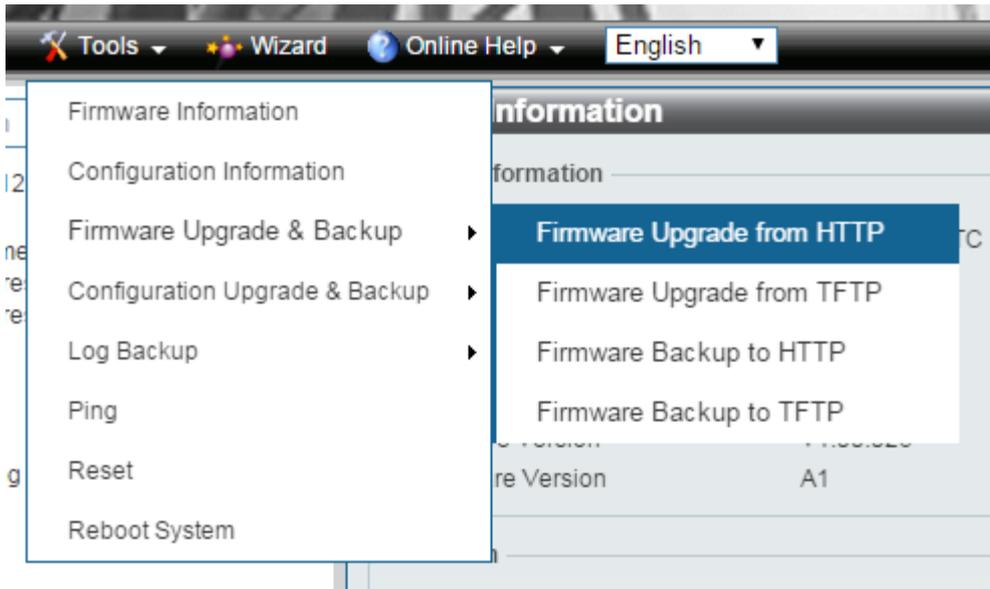
```
Switch# show firmware
```

Image ID	Version	Size(B)	Update Time
1	V1.15.005	17132864	01/01/2017 00:11:44
*2c	V1.15.005	15433760	01/01/2017 02:12:36

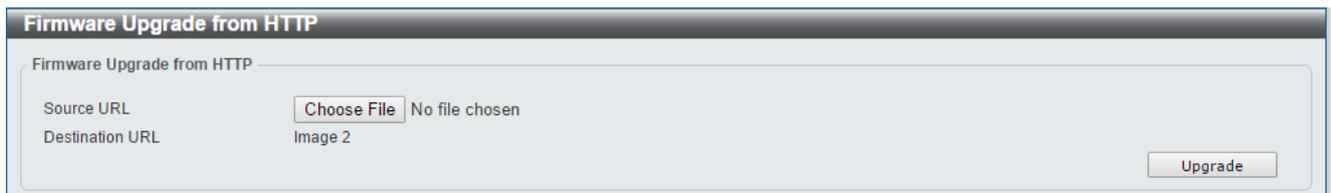
```
c : Current boot up firmware
* : Boot up firmware
```

Upgrade using Web-UI

1. Connect a workstation to any switch port of the device.
2. Open the web browser from the workstation and enter the IP address of the switch. The switch's default IP address is 10.90.90.90.
3. Press OK to login. Both the username and password are **"admin"** by default.
4. To update switch's firmware or configuration file, select **Tools > Firmware Backup & Upgrade** from the banner.



5. Two methods can be selected : **HTTP** or **TFTP**
6. Select **Firmware Update from HTTP** to upgrade the firmware to or from your local drive of PC.



- a. Click **“Choose File”** to browse your inventories for a saved firmware file



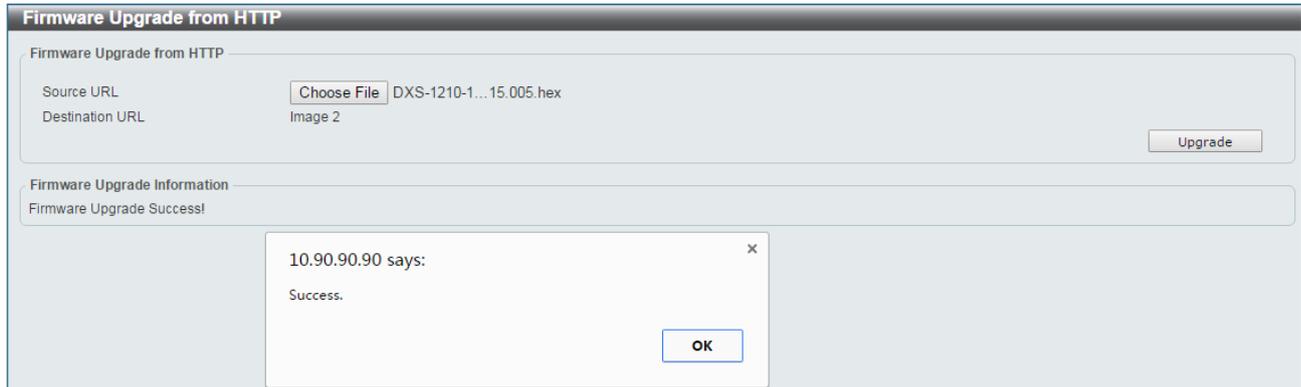
- b. Click **Upgrade** after selecting the firmware file you want to upgrade



- c. It will be download the firmware file to DUT.
- d. When download success, do not power off, and will continue process upgrading (write firmware to flash).



e. Wait until the "Firmware Upgrade Successful" message pops up.



7. Select **TFTP** to upgrade the firmware to or from a remote TFTP server.



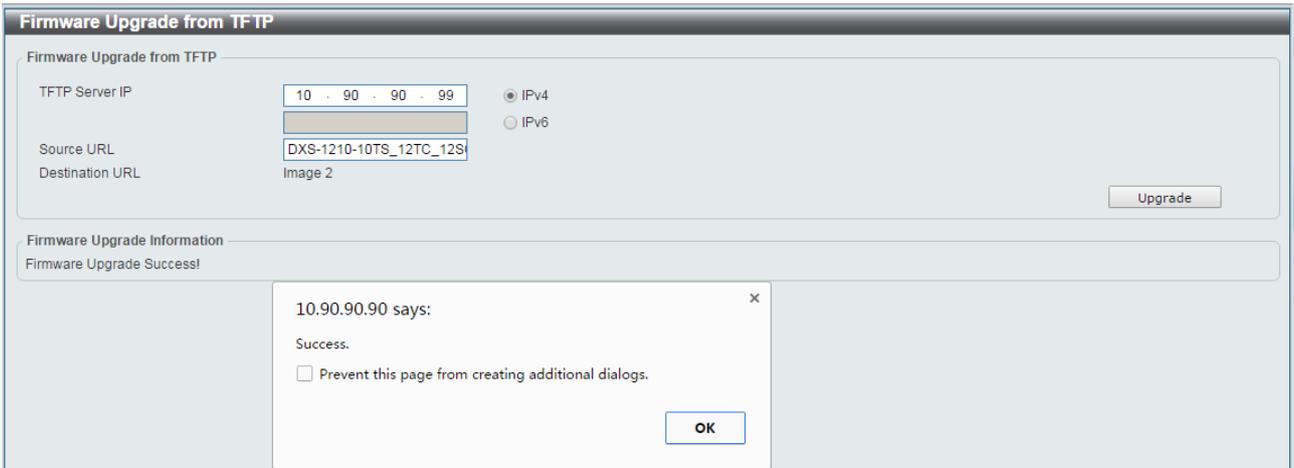
- a. Enter the TFTP server IP and the URL of the firmware file located on the TFTP server.
- b. Click **Upgrade** after selecting the firmware file you want to restore.
- c. It will be download the firmware file to DUT.



d. When download success, do not power off, and will continue process upgrading (write firmware to flash).

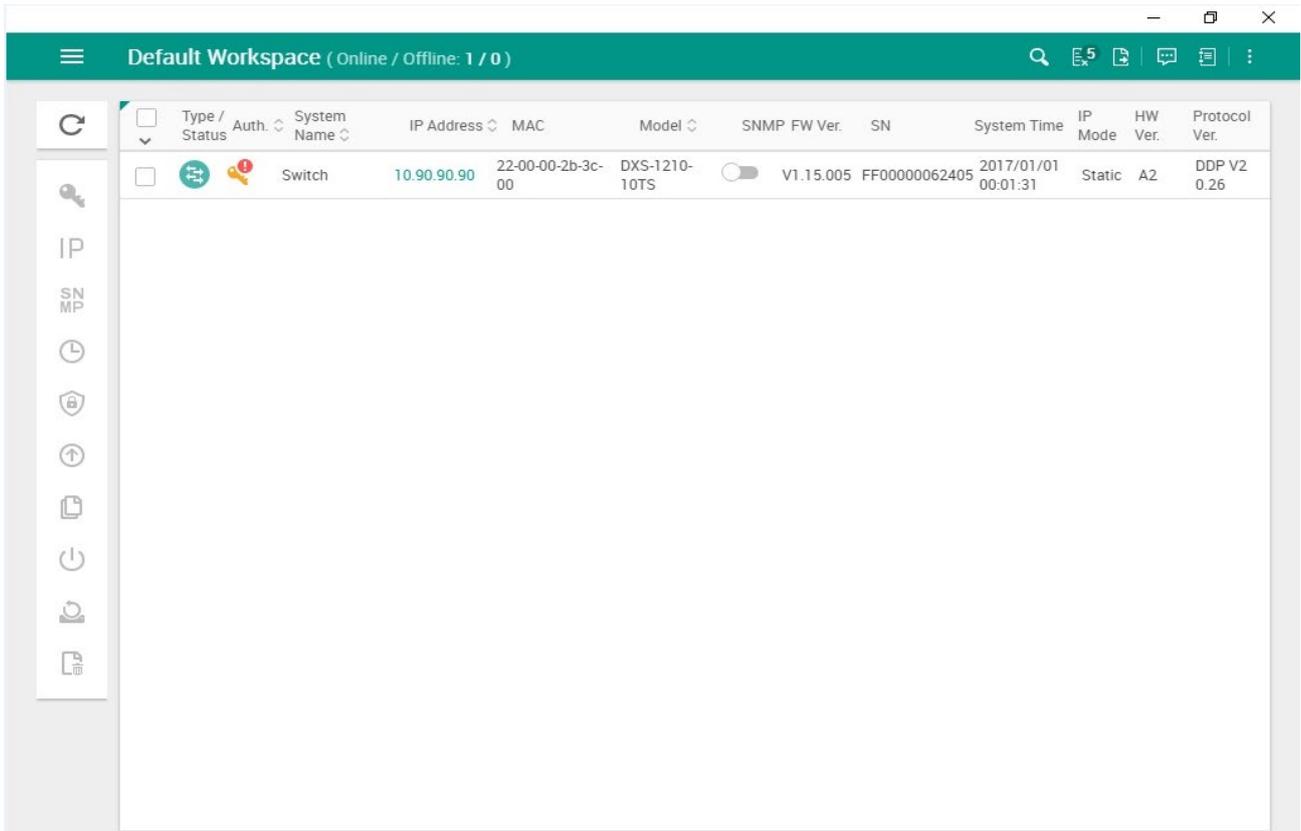


e. Wait until the firmware upgrade ends.

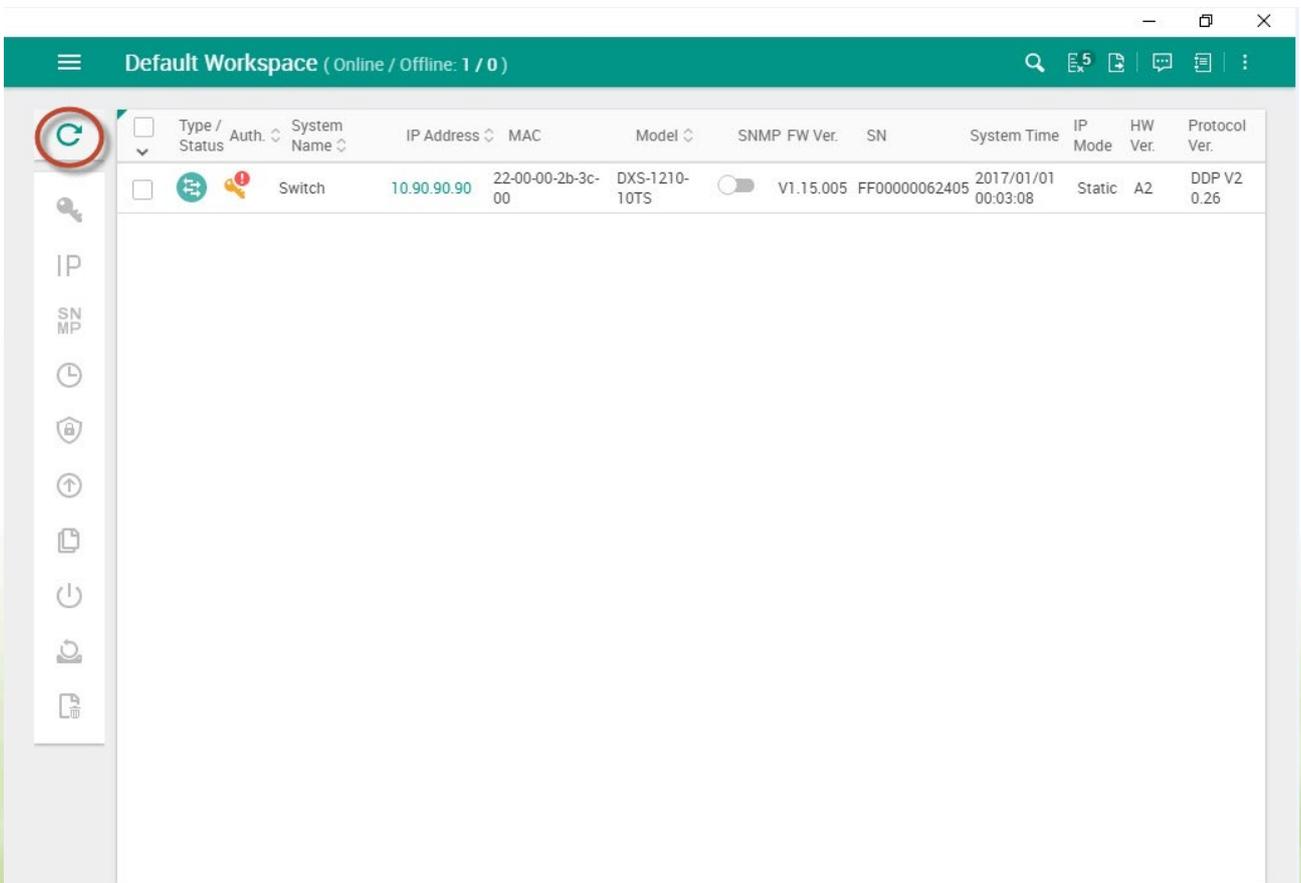


Upgrade using D-Link Network Assistant App

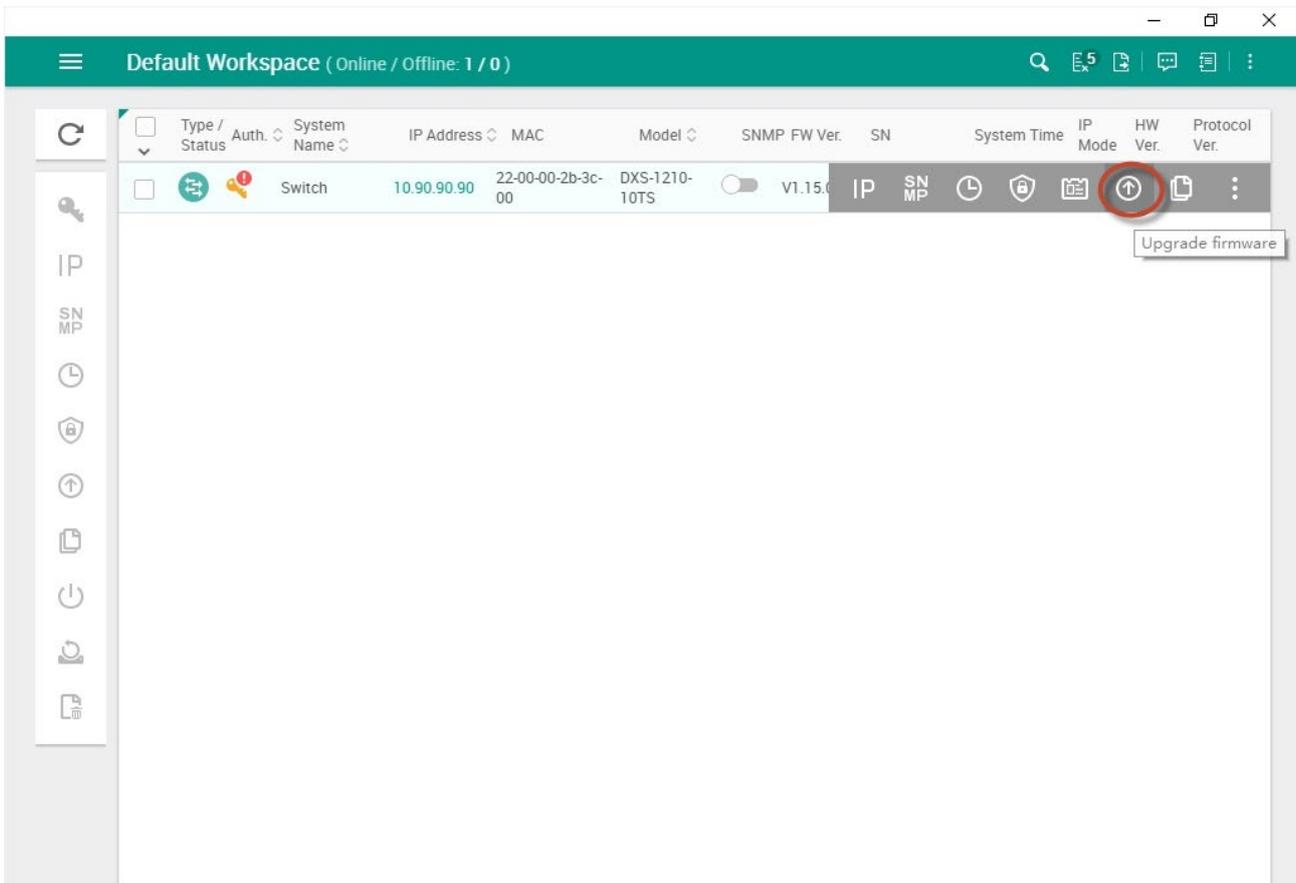
1. Connect a workstation installed with java SE runtime environment to any switch port of the device. Install DNA App in Web Store of Chrome Browser.
2. Execute D-Link Network Assistant App.



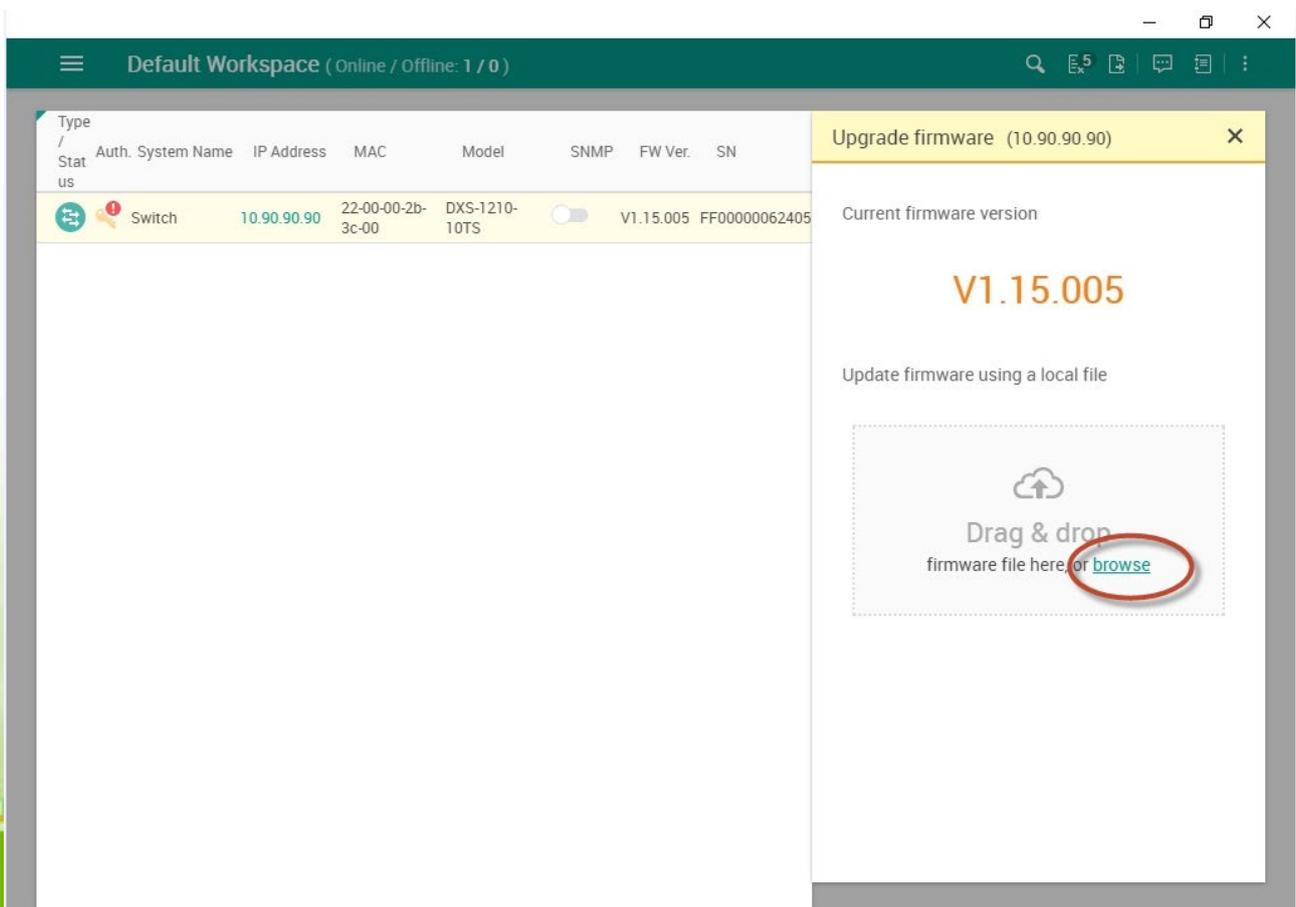
3. Click Refresh button to search target switch

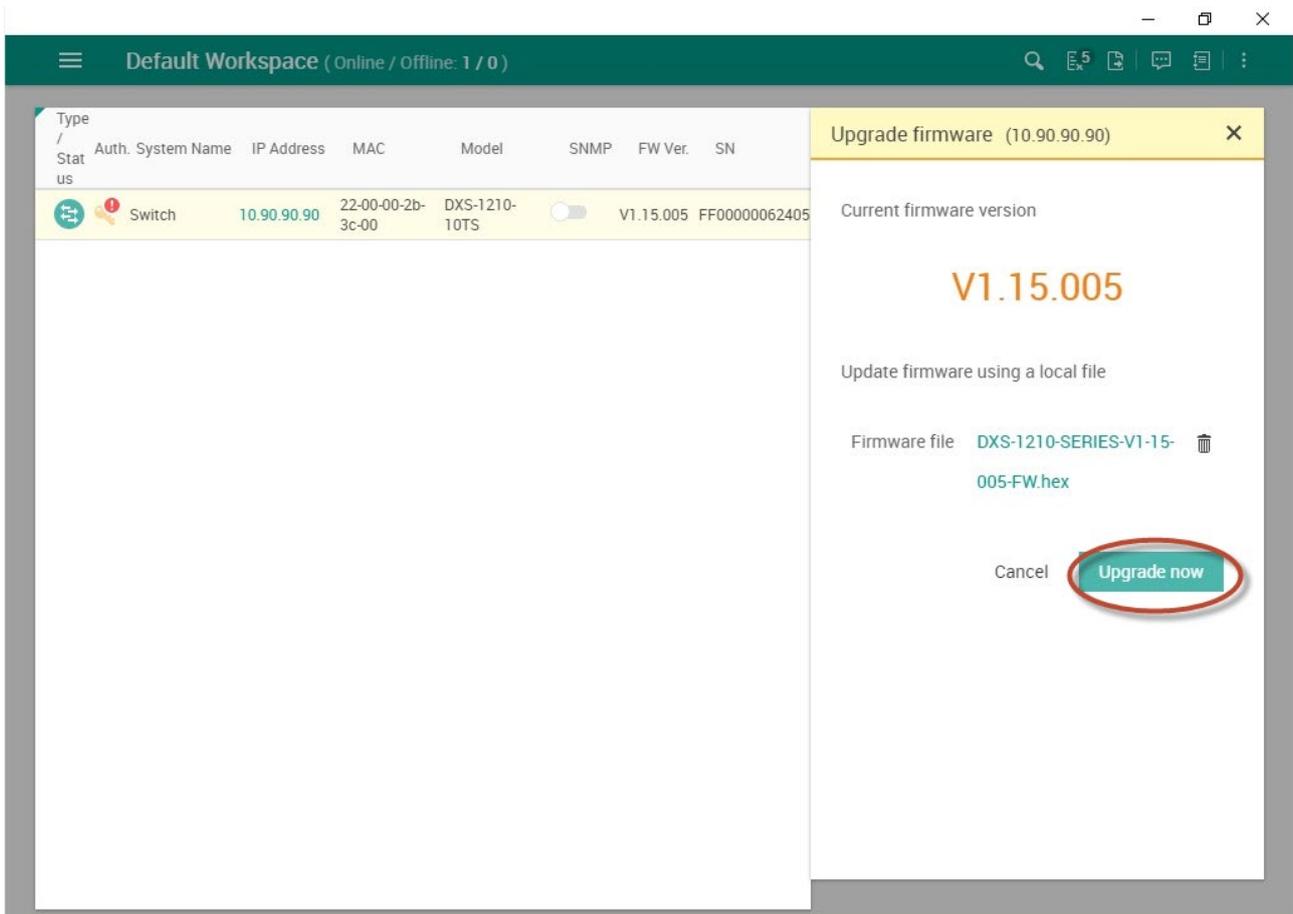


4. Move mouse to target device entry, then click "Upgrade firmware" button into upgrade firmware page

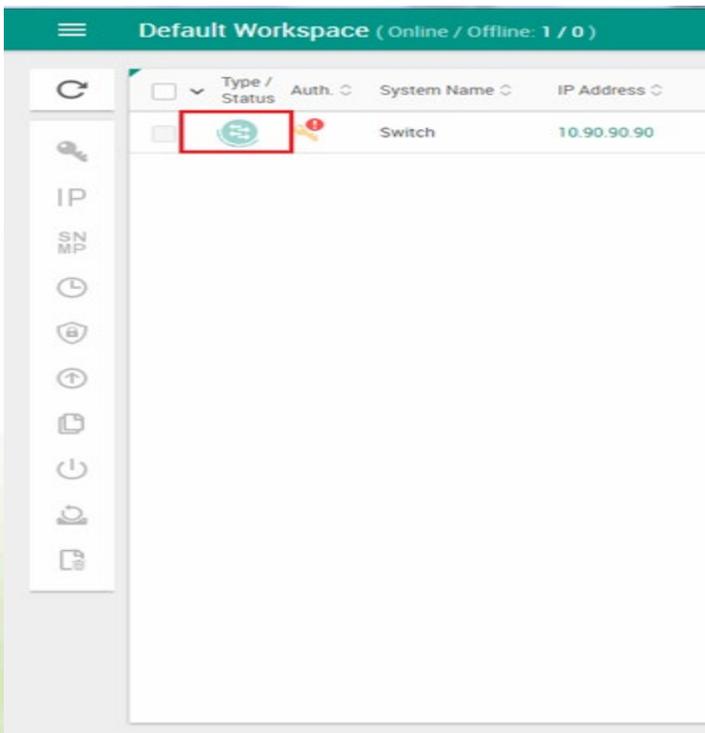


5. Click Browse button and select the firmware file (Model name- FW version .hex) on your local hard drive.





8. Wait until firmware upgrade finished.



9. The DNA pop an information to notify firmware upgrade status. Also can get firmware upgrade status from "Device journey" page.

The screenshot shows the 'Default Workspace' interface with 'Online / Offline: 0 / 1'. A table lists device information:

Type / Status	Auth.	System Name	IP Address	MAC	Model	SNMP	FW Ver.	SN	System Time	IP Mode	HW Ver.	Protocol Ver.
Switch	-	-	10.90.90.90	22-00-00-2b-3c-00	DXS-1210-10TS	-	-	FF00000062405	-	-	-	-

A notification bubble at the bottom right states: "Successfully upgraded the device firmware for (Switch-10.90.90.90)." This notification is circled in red.

The screenshot shows the 'Default Workspace' interface with 'Online / Offline: 1 / 0'. The 'Device journey' page for the switch (10.90.90.90) is open, showing a timeline of events:

Time	Event
1:18 PM	Firmware upgrade To version : copy3_copy2_copy1_DXS-1210-SERIES-V1-15-005-FW.hex
1:12 PM	Firmware upgrade To version : copy1_DXS-1210-SERIES-V1-15-005-FW.hex
1:07 PM	Change password Change the password of admin
1:06 PM	Management Move back to (Workspace: Default Workspace)
1:06 PM	Management Move to "Ignore list" (Workspace: Default Workspace)

The 'Firmware upgrade' event at 1:18 PM is circled in red. The interface also shows a table of device details and a date range filter set to 'From 2017-05-19 To 2017-06-19'.

New Features:

Firmware Version	New Features
V1.15.B017	NONE
V1.15.B016	NONE
V1.15.B015	NONE
V1.15.B014	NONE
V1.15.B013	NONE
V1.15.B012	NONE
V1.15.B011	NONE
V1.15.B010	NONE
V1.15.B009	NONE
V1.15.B008	NONE
V1.15.B007	NONE
V1.15.B006	NONE
V1.15.005	First Release

Changes of MIB :

For detailed changes of MIB content, please refer to the modification history in each MIB file.

Mib Version	MIB File	New Features
V1.15.B017	DXS-1210-10TS-AX-V1.15.B017.mib	NONE
V1.15.B016	DXS-1210-10TS-AX-V1.15.B016.mib	NONE
V1.15.B015	DXS-1210-10TS-AX-V1.15.B015.mib	NONE
V1.15.B014	DXS-1210-10TS-AX-V1.15.B014.mib	NONE
V1.15.B013	DXS-1210-10TS-AX-V1.15.B013.mib	NONE
V1.15.B012	DXS-1210-10TS-AX-V1.15.B012.mib	NONE
V1.15.B011	DXS-1210-10TS-AX-V1.15.B011.mib	NONE
V1.15.B010	DXS-1210-10TS-AX-V1.15.B010.mib	NONE
V1.15.B009	DXS-1210-10TS-AX-V1.15.B009.mib	NONE
V1.15.B008	DXS-1210-10TS-AX-V1.15.B008.mib	NONE
V1.15.B007	DXS-1210-10TS-AX-V1.15.B007.mib	NONE
V1.15.B006	DXS-1210-12SC-AX-V1.15.B006.mib	NONE
V1.15.005	DXS-1210-10TS-AX-V1.15.005.mib	First Release
V1.15.005	DXS-1210-12TC-AX-V1.15.005.mib	First Release
V1.15.005	DXS-1210-12SC-AX-V1.15.005.mib	First Release

Changes of Command Line Interface:

The section below only shows command line changes that may bring backward compatibility issues with configuration settings for previous version of firmware. Any new feature commands that do not have backward compatibility issues are not included in the below section.

Firmware Version	Changes
V1.15.B017	NONE
V1.15.B016	NONE
V1.15.B015	NONE
V1.15.B014	NONE
V1.15.B013	NONE
V1.15.B012	NONE
V1.15.B011	NONE
V1.15.B010	NONE
V1.15.B009	NONE
V1.15.B008	NONE
V1.15.B007	NONE
V1.15.B006	NONE
V1.15.005	First Release

Problem Fixed:

Firmware Version	Problems Fixed
V1.15.B017	1.Default SNMP community keeps reverting back after reboot[DI20190711000003-Australia] 2.CAMEO Smart Switch Trap to CPU packets follow VLAN receive rule "Tag only" and "receive all". HQ20190517000002
V1.15.B016	DXS-1210-12SC Rev.A2 [HQ20190603000002 [Urgent]]LLDP configb issues.
V1.15.B015	DXS-1210-xx A2-Rev - issue with LACP and VLAN [DEUR20190516000007-Central Europe]
V1.15.B014	1. [HQ20190219000014] Such an acl disappears after save/reboot because switch converts hexademical to demical in configuration file.

	<p>2. [HQ20190219000014] Switch can't find a rule and save configuration if we create acl with vlan id field such as.</p> <p>3.[HQ20181218000001] Switch hang up with IGMP issue, besides ping, the telnet, http doesn' t work.</p> <p>4. VLAN interface of the channel port cannot setting by WEB.</p>
V1.15.B013	<p>1.HQ20181206000003 Traffic segmentation CLI config error</p> <p>2.HQ20181212000016/HQ20181205000013 Vlan can not add to trunk port.</p>
V1.15.B012	<p>1.Removing IP from VLAN 1 prevents clients connected downstream of switch are unable to resolve ARP for their gateway[DUSA20181112000001-USA]]</p> <p>2. [DXS-1210]: D-Link G2 802.1Q Native VLAN Spec Confirm</p>
V1.15.B011	[DRU20180830000003-Russia] Port was updated by Vendor-Cameo TS(SCM)
V1.15.B010	When in A2 version,not allow upgrade into A1 version.
V1.15.B009	[HQ20180327000009] Issue in allowed vlan on trunk port after reboot switch[IMA20180326000001-India]
V1.15.B008	[HQ20180327000009] Issue in allowed vlan on trunk port after reboot switch[IMA20180326000001-India]
V1.15.B007	[HQ20180321000004]Customer reported vulnerability with Nessus software CRM (C7091467).[DUSA20180320000002-USA]
V1.15.B006	[HQ20171211000001] The hybrid allowed VLAN tagged port does not be saved reboot[DRU20171206000001-Russia]
V1.15.005	First Release

Known Issues:

Firmware Version	Issues	Workaround
V1.15.005 ~ V1.15.B017	<p>1. VBG17060127</p> <p>The DUT exist Head of Line Blocking issue via Broadcast, Multicast and DFL via Jumbo Frame packets.</p> <p>Normal packets length 64~1518 bytes do not exist this issue.(Limitation)</p>	None
	<p>2. VBG17060129</p> <p>The DUT CLI "show ipif interface 1" cost about 13 sec just can display info after created 1-4094 VLAN ID.(Limitation)</p>	
	<p>3. VBG17060133</p> <p>To use mirror can't capture DUT ERPS(R-APS pkts).(Limitation)</p>	

4. VBG17060134	Voice VLAN OUI Description setting will appear garbled when fill in blank and Chinese.(Spec. Issue)	
5. VBG17050007	DXS-1210 series Rev.A2 mac address learning lose rate over 1% (13K:12836,14K:13585,15K:14367,16K:14896) (Limitation)	
6. VBG17050128	DUT show port counter rate has tolerance with iperf test result. DUT show port counter 131892 Bytes/sec, iperf result 125022 Bytes/sec. this two value differ by nearly 6000 Bytes/sec.	
7. VBG17050038	The DUT IPv6 ACL cannot deny source IP ::/64, but DGS-1510 does valid.	
8. VBG17060154	Voice vlan port setting mode will auto change to curre mode. Enable voice vlan enable port 1 to auto untag, inject LLDP MED tag packet will auto learn to tag port, we find voice vlan port setting will change to "auto tag".	
9. VBG17060155	show lldp neighbors interface ethernet 1/0/1 detail information incomplete.	
10. VBG17060157	Set aging time to 10 sec, then transmit 10000 random MAC, after 20 sec, there still 340 entries does not be aged.	
11. VBG17060158	The DUT IPv6 ping respond time does not same as IPv4 ping respond time. But use console to ping v4/v6 respond time does same.	

	<p>12. VBG17060159 The DUT command "ip access-list extended" does not support <tab> help button that does not fit D-Link request.</p>	
	<p>13. VBG17060160 The DUT statistics error packets type Alignment error will count to CRC error.</p>	

Related Documentation:

- DXS-1210 Series A2 User Manual
- DXS-1210 Series Getting Started Guide