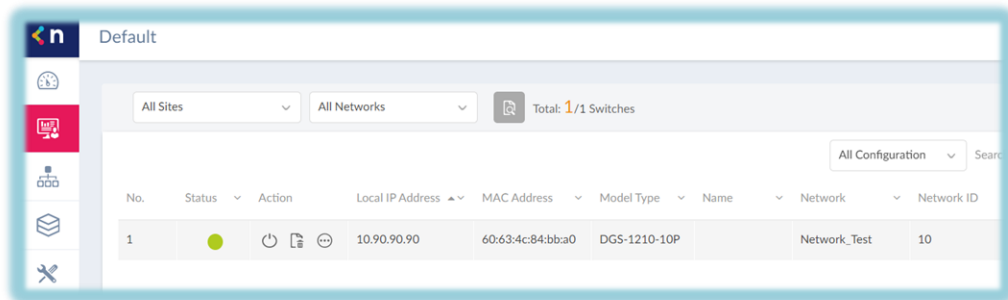


Nuclias for DGS-1210

Tutorial, Gestiona
D-Link DGS-1210
desde Nuclias Connect



Vídeo del how to disponible aquí
<https://youtu.be/AuLSuOiD57o>



Agenda

Nuclias Connect for DGS-1210 Series Fx versior

- ✓ DGS-1210: New FW 6.30.016
- ✓ Nuclias Connect: New SW 1.2.0.5
- ✓ Gestión del switch desde DNC
- ✓ Configuraciones prácticas



Vídeo del how to disponible aquí
<https://youtu.be/AuLSuOiD57o>

DGS-1210 Fx Series



Variedad en densidad de puertos, modelos con y sin PoE



Gestión L2



Uplink Fibra



Garantía



PoE



Funciones L3



Eficiencia Energética

DGS-1210 Fx Series



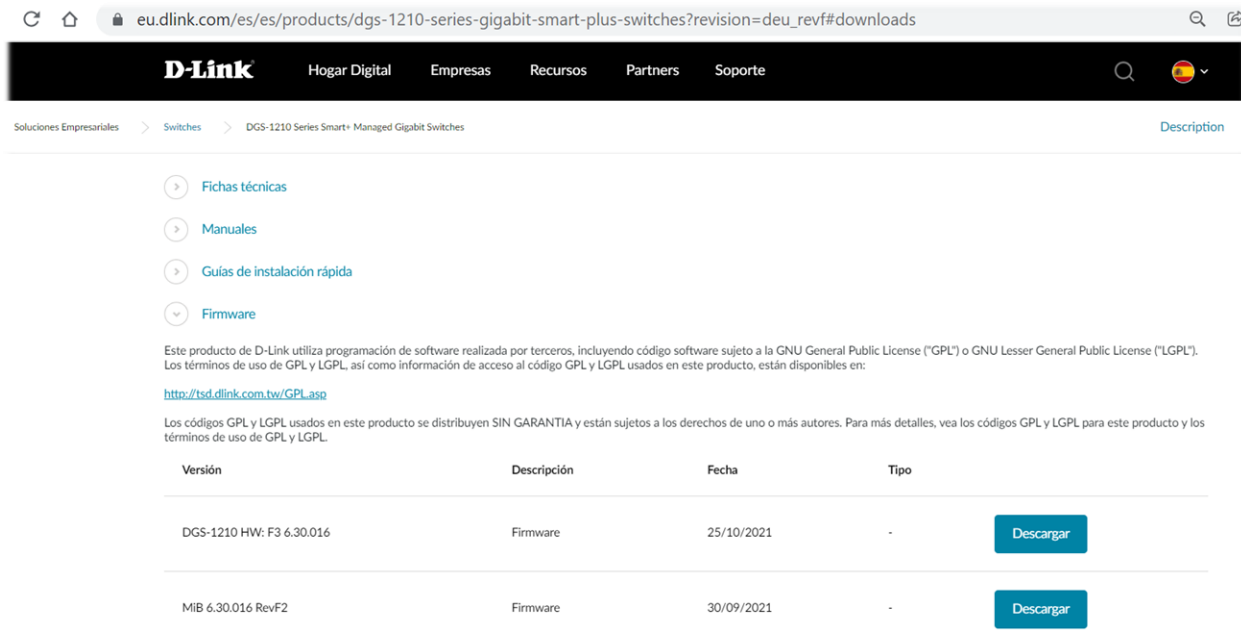
Piensa en un modelo... ¡seguro que lo tenemos!

Model Name	DGS-1210-10	DGS-1210-20	DGS-1210-26	DGS-1210-28	DGS-1210-52
Product Image					
Port Count	8-Ports 10/100/1000Mbps + 2-Ports 100/1000M SFP	16-Ports 10/100/1000Mbps + 4-Ports Combo GE/SFP	24-Ports 10/100/1000Mbps + 2-Ports 100/1000M SFP	24-Ports 10/100/1000Mbps + 4-Ports Combo GE/SFP	48-Ports 10/100/1000Mbps + 4-Ports Combo GE/SFP

Model Name	DGS-1210-10P	DGS-1210-10MP	DGS-1210-28P	DGS-1210-28MP	DGS-1210-52MP
Product Image					
Port Count	8-Ports 10/100/1000Mbps PoE + 2-Ports SFP 100/1000Mbps	8-Ports 10/100/1000Mbps PoE + 2-Ports SFP 100/1000Mbps	24-Ports 10/100/1000Mbps PoE + 4-Ports Combo GE/SFP	24-Ports 10/100/1000Mbps PoE + 4-Ports Combo GE/SFP	24-Ports 10/100/1000Mbps PoE + 4-Ports Combo GE/SFP

DGS-1210-10P – Actualización de FW

Descargamos el nuevo FW de la web de D-Link



The screenshot shows a web browser window with the URL eu.dlink.com/es/es/products/dgs-1210-series-gigabit-smart-plus-switches?revision=deu_revf#downloads. The page features a navigation bar with the D-Link logo and menu items: Hogar Digital, Empresas, Recursos, Partners, and Soporte. Below the navigation bar, the breadcrumb trail reads: Soluciones Empresariales > Switches > DGS-1210 Series Smart+ Managed Gigabit Switches. A search icon and a language dropdown menu (set to Spanish) are also visible.

On the left side, there is a vertical menu with the following items: Fichas técnicas, Manuales, Guías de instalación rápida, and Firmware (which is currently selected and expanded). Below this menu, a disclaimer states: "Este producto de D-Link utiliza programación de software realizada por terceros, incluyendo código software sujeto a la GNU General Public License ('GPL') o GNU Lesser General Public License ('LGPL'). Los términos de uso de GPL y LGPL, así como información de acceso al código GPL y LGPL usados en este producto, están disponibles en: <http://tsd.dlink.com.tw/GPL.asp>".

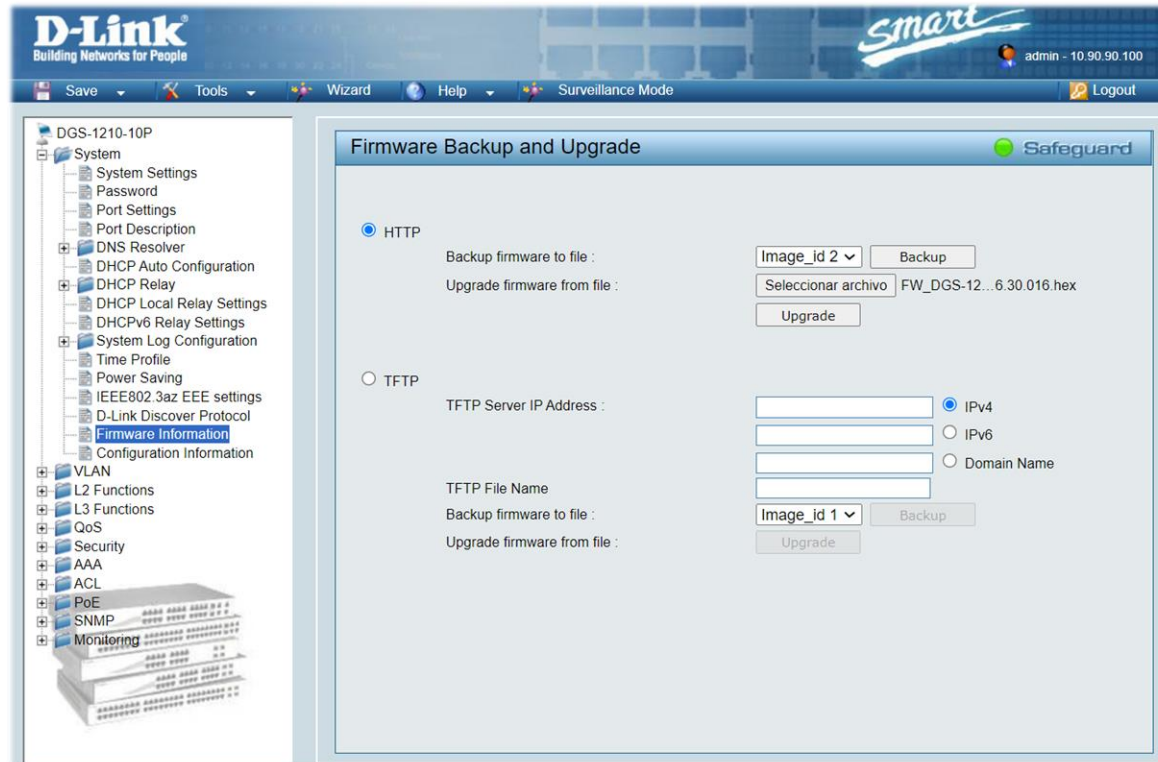
Below the disclaimer, another line of text reads: "Los códigos GPL y LGPL usados en este producto se distribuyen SIN GARANTIA y están sujetos a los derechos de uno o más autores. Para más detalles, vea los códigos GPL y LGPL para este producto y los términos de uso de GPL y LGPL."

The main content area contains a table with the following data:

Versión	Descripción	Fecha	Tipo	
DGS-1210 HW: F3 6.30.016	Firmware	25/10/2021	-	Descargar
MIB 6.30.016 RevF2	Firmware	30/09/2021	-	Descargar

DGS-1210-10P – Actualización de FW

Subimos el nuevo fichero .hex



The screenshot displays the D-Link web management interface for a DGS-1210-10P switch. The top navigation bar includes the D-Link logo, the slogan "Building Networks for People", a "Smart" logo, and the user "admin" with IP "10.90.90.100". The main menu contains "Save", "Tools", "Wizard", "Help", "Surveillance Mode", and "Logout".

The left sidebar shows a tree view of configuration categories, with "Firmware Information" highlighted. The main content area is titled "Firmware Backup and Upgrade" and features a "Safeguard" icon. It offers two methods for firmware management:

- HTTP:** Selected by default. It includes fields for "Backup firmware to file" (set to "Image_id 2") and "Upgrade firmware from file" (set to "Seleccionar archivo | FW_DGS-12...6.30.016.hex").
- TFTP:** Includes fields for "TFTP Server IP Address" (with IPv4 selected), "TFTP File Name", "Backup firmware to file" (set to "Image_id 1"), and "Upgrade firmware from file".

Buttons for "Backup" and "Upgrade" are present for both methods.

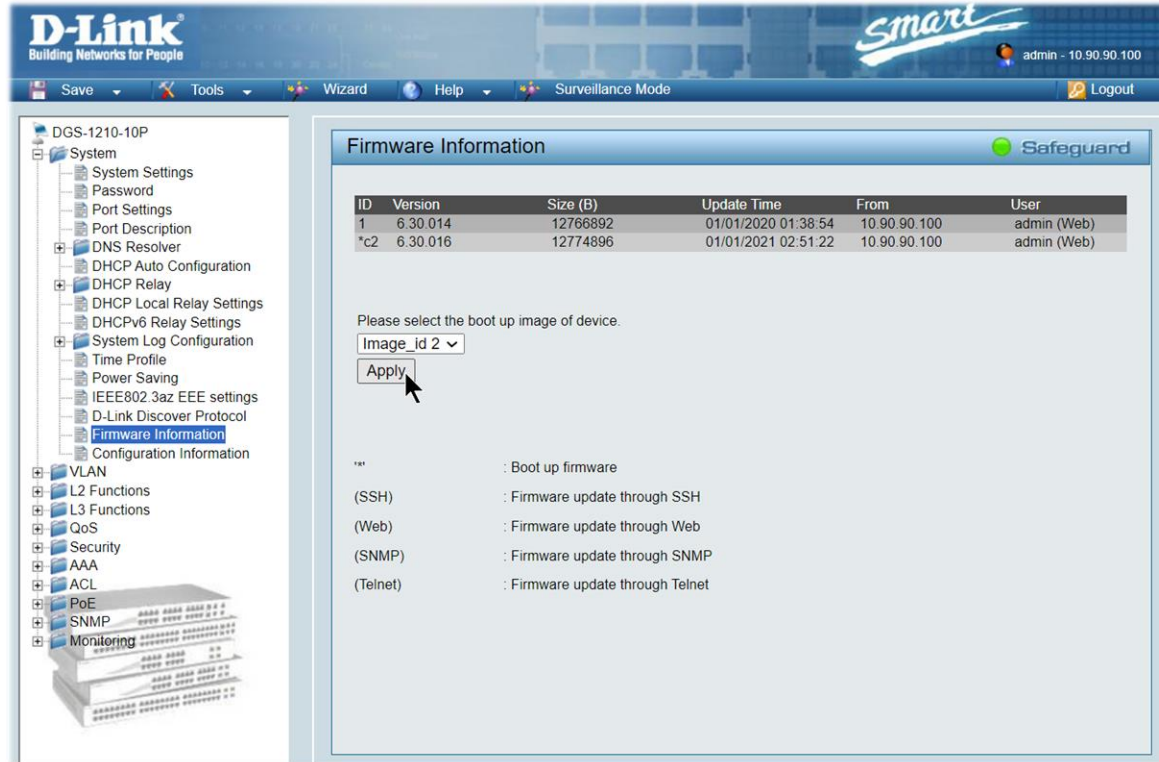
DGS-1210-10P – Actualización de FW

Fichero subido correctamente

The screenshot shows the D-Link web management interface for a DGS-1210-10P switch. The browser address bar indicates the URL is 10.90.90.90/homepage.htm. The interface includes a navigation menu on the left with categories like System, VLAN, L2 Functions, L3 Functions, QoS, Security, AAA, ACL, PoE, SNMP, and Monitoring. The main content area is titled 'Firmware Backup and Upgrade' and features a 'Safeguard' indicator. Under the 'HTTP' radio button, there are fields for 'Backup firmware', 'Upgrade firmware', 'TFTP Server IP Address', 'TFTP File Name', and 'Backup firmware'. An 'Upgrade' button is visible at the bottom. A modal dialog box is overlaid on the page, displaying a yellow warning icon and the following text: 'Firmware Backup and Upgrade', 'Firmware Upgrade successfully.', and 'The new firmware will be set as an alternative image in the dual image system. You need to go to "System > Firmware Information" to select this new image as boot up firmware and then reboot the system in order to activate it.' An 'OK' button is located at the bottom of the dialog.

DGS-1210-10P – Actualización de FW

Seleccionamos la nueva imagen



The screenshot shows the D-Link web management interface for a DGS-1210-10P switch. The top navigation bar includes the D-Link logo, the 'Smart' logo, and the user 'admin - 10.90.90.100'. The main content area is titled 'Firmware Information' and features a 'Safeguard' icon. A table lists the current and previous firmware versions. Below the table, a message prompts the user to select a boot-up image, with a dropdown menu showing 'Image_id 2' and an 'Apply' button being clicked. A legend at the bottom explains the update methods: SSH, Web, SNMP, and Telnet.

ID	Version	Size (B)	Update Time	From	User
1	6.30.014	12766892	01/01/2020 01:38:54	10.90.90.100	admin (Web)
*c2	6.30.016	12774896	01/01/2021 02:51:22	10.90.90.100	admin (Web)

Please select the boot up image of device.

Image_id 2

Apply

*** : Boot up firmware

(SSH) : Firmware update through SSH

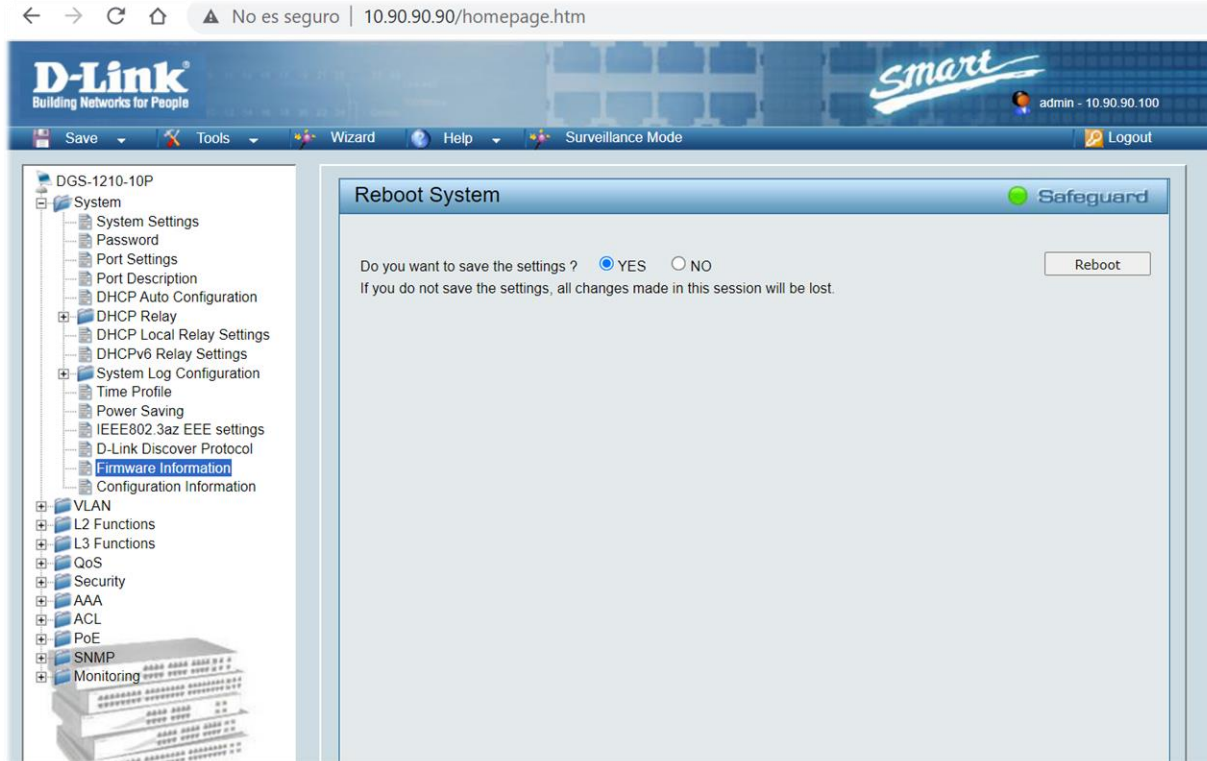
(Web) : Firmware update through Web

(SNMP) : Firmware update through SNMP

(Telnet) : Firmware update through Telnet

DGS-1210-10P – Actualización de FW

Reiniciamos el switch



The screenshot shows a web browser window with the address bar displaying "10.90.90/homepage.htm". The page header includes the D-Link logo, the slogan "Building Networks for People", and a "Smart" logo. The user is logged in as "admin - 10.90.90.100". The main content area is titled "Reboot System" and features a "Safeguard" icon. The dialog asks, "Do you want to save the settings?" with radio buttons for "YES" (selected) and "NO". Below this, it states, "If you do not save the settings, all changes made in this session will be lost." A "Reboot" button is located in the top right corner of the dialog. On the left side of the interface, a navigation tree is visible, with "Firmware Information" highlighted under the "System" category.

DGS-1210-10P – Actualización de FW

Switch con el firmware .hex actualizado



The screenshot displays the 'Device Information' page of a D-Link switch's web management interface. The page is titled 'Device Information' and features a 'Safeguard' logo in the top right corner. The content is organized into three main sections: 'Device Information', 'IP Address Information', and 'Device Status and Quick Configurations'. The 'Device Information' section lists various system parameters such as device type, boot and firmware versions, hardware version, serial number, MAC address, system name, location, time, and uptime. The 'IP Address Information' section shows the IPv4 address, subnet mask, and default gateway. The 'Device Status and Quick Configurations' section provides a quick overview of key features like RSTP, Port Mirroring, Storm Control, SNMP Status, 802.1X Status, and the Safeguard Engine, each with its current status and a link to its settings page.

Device Information					
Device Information					
Device Type	DGS-1210-10P Gigabit Ethernet Switch	System Name			
Boot Version	1.00.010	System Location			
Firmware Version	6.30.016	System Time	01/01/2021 03:00:53		
Hardware Version	F1	System Up Time	0 days , 0 hours , 3 mins , 23 seconds		
Serial Number	S34O2J8001661	Login Timeout (minutes)	5		
MAC Address	60-63-4C-84-BB-A0				
IP Address Information					
IPv4 Address	10.90.90.90				
Subnet Mask	255.0.0.0				
Default Gateway	0.0.0.0				
IPv6 Global Unicast Address					
IPv6 Link-Local Address					
Device Status and Quick Configurations					
RSTP	Enabled	Settings	SNMP Status	Disabled	Settings
Port Mirroring	Disabled	Settings	802.1X Status	Disabled	Settings
Storm Control	Disabled	Settings	Safeguard Engine	Enabled	Settings

DGS-1210-10P – Actualización de FW

Subimos ahora el fichero .con

Firmware Backup and Upgrade

HTTP

Backup firmware to file : Image_id 1

Upgrade firmware from file : FW_DGS-12...6.30.016.con

TFTP

TFTP Server IP Address : IPv4 IPv6 Domain Name

TFTP File Name

Backup firmware to file : Image_id 1

Upgrade firmware from file :

← → ↻ 🏠 No es seguro | 10.90.90/homepage.htm

D-Link Building Networks for People *Smart* admin - 10.90.90.100 Logout

Save Tools Wizard Help Surveillance Mode

DGS-1210-10P

- System
 - System Settings
 - Password
 - Port Settings
 - Port Description
 - DNS Resolver
 - DHCP Auto Configuration
 - DHCP Relay
 - DHCP Local Relay Settings
 - DHCPv6 Relay Settings
 - System Log Configuration
 - Time Profile
 - Power Saving
 - IEEE802.3az EEE settings
 - D-Link Discover Protocol
 - Configuration Information
- VLAN
- L2 Functions
- L3 Functions
- QoS
- Security
 - AAA
 - ACL
 - POE
 - SNMP
 - Monitoring

Firmware Backup and Upgrade

HTTP

Backup firmware

Upgrade firmware

TFTP

TFTP Server IP Address

TFTP File Name

Backup firmware

Upgrade firmware from file :

Firmware Backup and Upgrade

Firmware Upgrade successfully.

The new firmware will be set as an alternative image in the dual image system. You need to go to "System > Firmware Information" to select this new image as boot up firmware and then reboot the system in order to activate it.

DGS-1210-10P – Actualización de FW

Lo seleccionamos y reiniciamos el switch



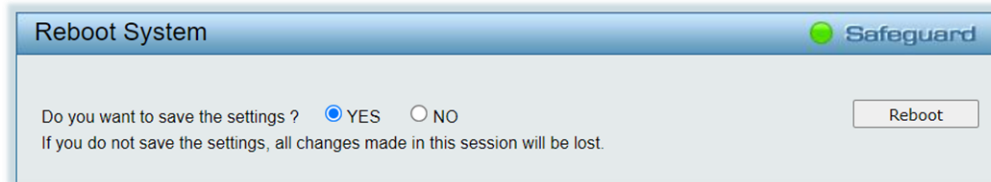
Firmware Information Safeguard

ID	Version	Size (B)	Update Time	From	User
*1	6.30.016	12775084	01/01/2021 03:08:52	10.90.90.100	admin (Web)
c2	6.30.016	12774896	01/01/2021 02:51:22	10.90.90.100	admin (Web)

Please select the boot up image of device.

Image_id 1 ▾

Apply



Reboot System Safeguard

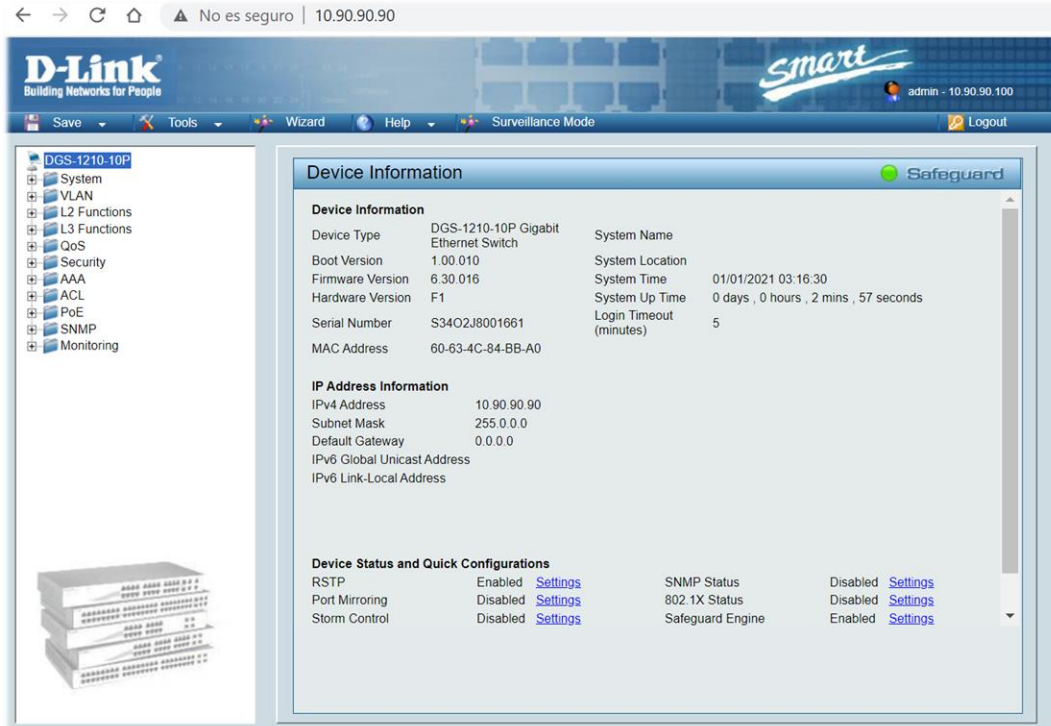
Do you want to save the settings ? YES NO

If you do not save the settings, all changes made in this session will be lost.

Reboot

DGS-1210-10P – Actualización de FW

Switch con el firmware .con actualizado



The screenshot shows the web management interface of a D-Link DGS-1210-10P switch. The browser address bar shows the URL 10.90.90.90. The interface includes a navigation menu on the left with categories like System, VLAN, L2 Functions, L3 Functions, QoS, Security, AAA, ACL, PoE, SNMP, and Monitoring. The main content area is titled "Device Information" and displays the following details:

Device Information	
Device Type	DGS-1210-10P Gigabit Ethernet Switch
System Name	
Boot Version	1.00.010
System Location	
Firmware Version	6.30.016
System Time	01/01/2021 03:16:30
Hardware Version	F1
System Up Time	0 days, 0 hours, 2 mins, 57 seconds
Serial Number	S34O2J8001661
Login Timeout (minutes)	5
MAC Address	60-63-4C-84-BB-A0

IP Address Information	
IPv4 Address	10.90.90.90
Subnet Mask	255.0.0.0
Default Gateway	0.0.0.0
IPv6 Global Unicast Address	
IPv6 Link-Local Address	

Device Status and Quick Configurations					
RSTP	Enabled	Settings	SNMP Status	Disabled	Settings
Port Mirroring	Disabled	Settings	802.1X Status	Disabled	Settings
Storm Control	Disabled	Settings	Safeguard Engine	Enabled	Settings

Nuclias Connect – Actualización de FW

Descargamos la nueva versión de la web de D-Link

eu.dlink.com/es/es/products/nuclias-connect#support

D-Link Hogar Digital Empresas Recursos Partners Soporte

Manuales > Wireless > DNC-100 Nuclias Connect

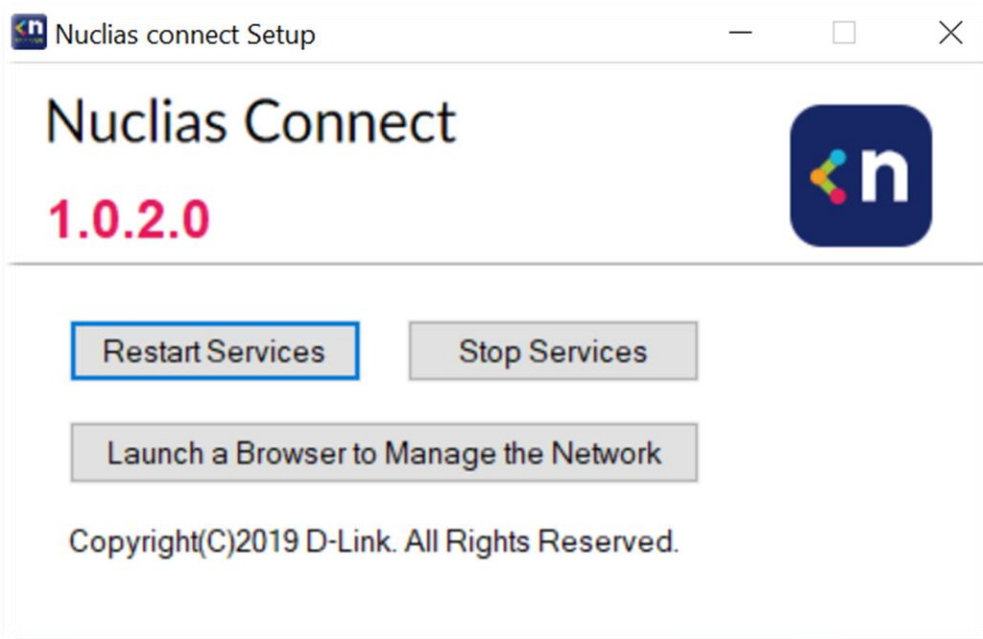
Description

- > Manuales
- > Firmware
- ▼ Software

Versión	Descripción	Fecha	
Nuclias Connect 1.2.0.5	Nuclias Connect Software	23/11/2021	Descargar

Nuclias Connect – Actualización de FW

No importa que tengamos otra versión instalada

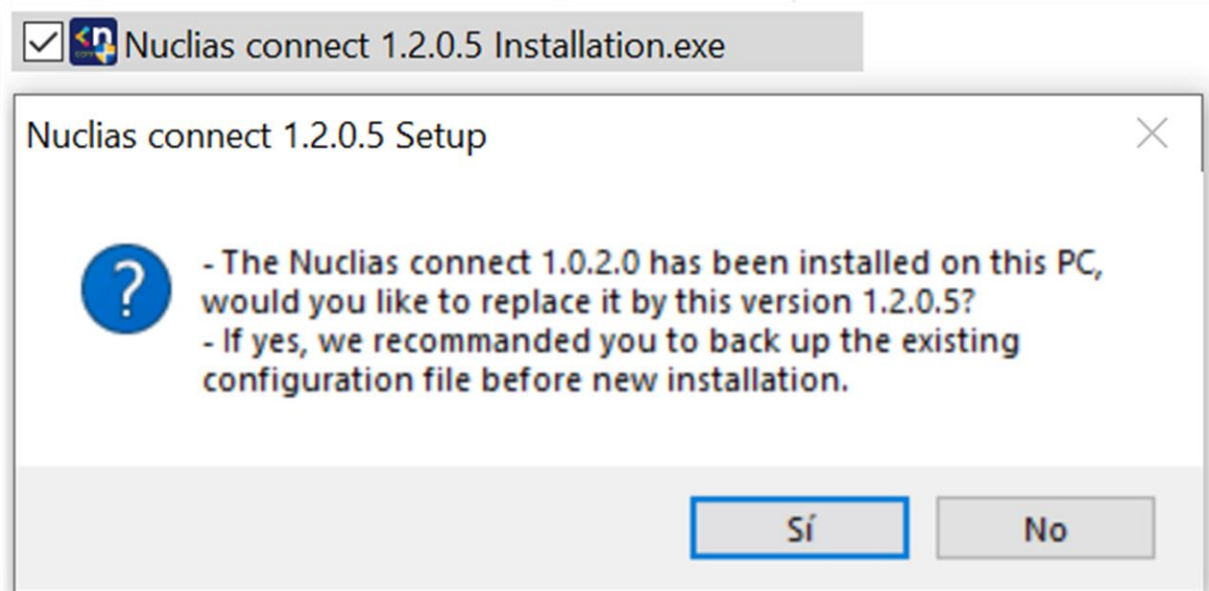


Windows (C:) > Archivos de programa (x86) > Nuclias connect

- Core
- MongoDB
- Web
- nssm.exe
- Nuclias connect
- Nuclias1.ico
- NucliasConnectConfigurator.exe
- uninst.exe

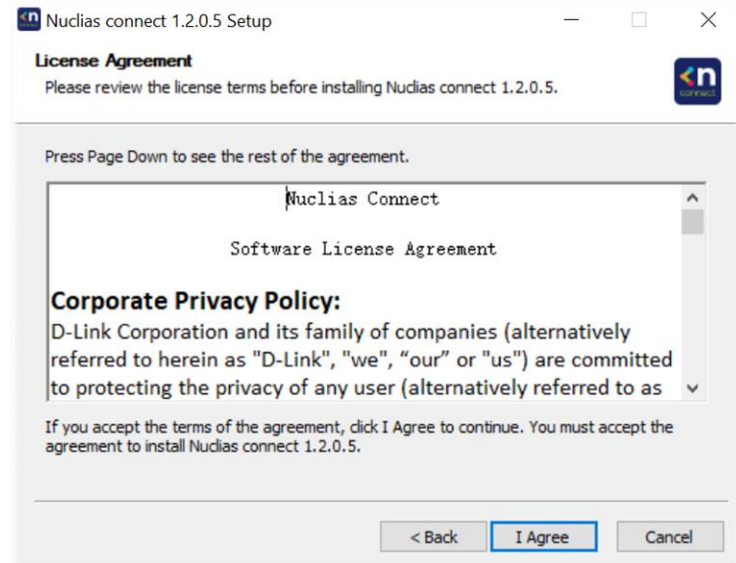
Nuclias Connect – Actualización de FW

Instalamos la nueva version 1.2.0.5 – Nos eliminará la anterior



Nuclias Connect – Actualización de FW

Instalación guiada paso a paso



Nuclias Connect – Actualización de FW

Instalación guiada paso a paso

Nuclias connect 1.2.0.5 Setup

Choose Install Location

Choose the folder in which to install Nuclias connect 1.2.0.5.

Setup will install Nuclias connect 1.2.0.5 in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.

Destination Folder

C:\Program Files (x86)\Nuclias connect

Space required: 200.6MB
Space available: 340.0GB

< Back **Next >** Cancel

Nuclias connect 1.2.0.5 Setup

Port Configuration

Set the port which Nuclias connect to Listen.

Nuclias connect will listen the following port. To listen to a different port, modify the Listening Port. Click Next to continue.

Port Settings

Web Port:

CoreServer Port:

Port check pass!

< Back **Next >** Cancel

Nuclias Connect – Actualización de FW

Instalación guiada paso a paso

Nuclias connect 1.2.0.5 Setup

Database Service Environment Check

Checking MongoDB database service required by the Nuclias connect.

MongoDB status summary

A Service named "MongoDB ":	Already exist
MongoDB service running status:	Running
The running MongoDB version:	

Nuclias requires a database service provided by MongoDB 4.0.17, your installed MongoDB is invalid. Upgrade it by choosing the 'Upgrade MongoDB to 4.0.17'. Otherwise, you can choose 'Use an existing MongoDB 4.0.17' to let Nuclias connect to a remote MongoDB service.

Upgrade MongoDB to 4.0.17 Use an existing MongoDB 4.0.17

< Back Next > Cancel

Nuclias connect 1.2.0.5 Setup

MongoDB Database Configuration

Configure the MongoDB database environment required by Nuclias connect.

Specify the database listening port, username and password

MongoDB Port:

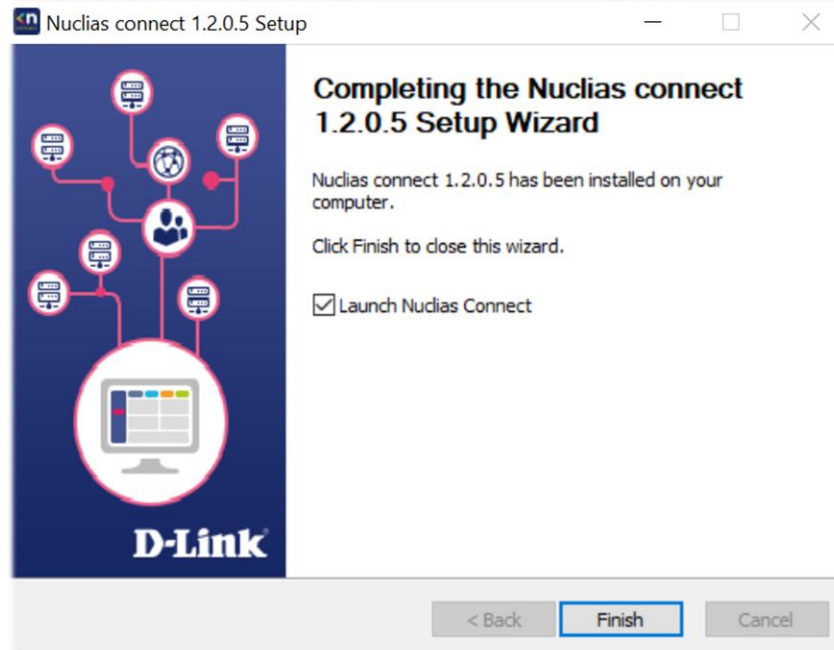
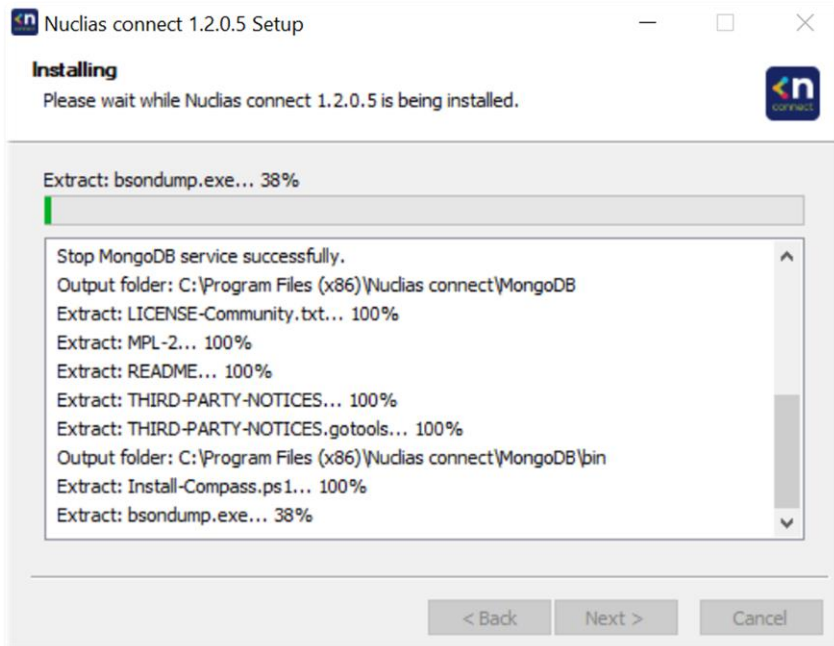
User name:

Password:

< Back Install Cancel

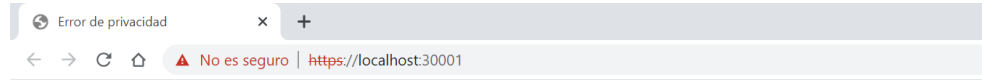
Nuclias Connect – Actualización de FW

Instalación guiada paso a paso



Nuclias Connect – Actualización de FW

Ejecución del programa



La conexión no es privada

Es posible que los atacantes estén intentando robar tu información de **localhost** (por ejemplo, contraseñas, mensajes o tarjetas de crédito). [Más información](#)

NET:ERR_CERT_AUTHORITY_INVALID



Para disfrutar del máximo nivel de seguridad en Chrome, [activa la protección mejorada](#).

Ocultar configuración avanzada

Volver para estar a salvo

Este servidor no ha podido probar que su dominio es **localhost**, el sistema operativo de tu ordenador no confía en su certificado de seguridad. Este problema puede deberse a una configuración incorrecta o a que un atacante haya interceptado la conexión.


[Acceder a localhost \(sitio no seguro\)](#)

Nuclias Connect – Actualización de FW

Introducimos credenciales admin / admin

Nuclias Connect

No es seguro | <https://localhost:30001/#/DNC/login>

 nuclias
connect

Login to your account English ▾

[Forgot password?](#)

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[Terms of Service](#) | [Privacy Policy](#)

Nuclias Connect – Actualización de FW

Introducimos nuevos credenciales



Debe cambiar la contraseña después de iniciar sesión por primera vez.

La combinación de contraseña debe tener entre 8-30 caracteres, incluidos caracteres alfabéticos en minúsculas y en mayúsculas y números.

Nuclias Connect – Gestión del Switch

Seleccionamos la IP de nuestra máquina del rango de la red

System Settings

Nuclias Connect Core server needs to be restarted if Device Access Address or Port has been changed.

Device Access Address

10.90.90.100

Device Access Port

8443

Country

Spain


Time Zone

(GMT+01:00) Brussels, Copenhagen, Madrid, Paris

Next

Nuclias Connect – Gestión del Switch

Damos nombre al site y a la red

 Add Network ✕

Site

Network Name

Network ID

The network ID will be used for REST API.

Nuclias Connect – Gestión del Switch

Elegimos los switches DGS-1210 para descubrir

Network Configurations

General Settings

Country: Spain

Time Zone: (GMT+01:00) Brussels, Copenhagen, Madrid, Paris

Device Type: Access Point Switch

Access Point

Switch

Series Supported * DGS-1210

Username: admin

Password *

Back Next Cancel

Nuclias Connect – Gestión del Switch

Elegimos los switches DGS-1210 para descubrir

Discover Network Settings ✕

Layer 2

Layer 3 (IP)

IP -

Pick one... -

Nuclias Connect – Gestión del Switch

Iniciamos el descubrimiento

Discover Device ✕

Start Discovery

Configurable Managed

Device Type ✕ MAC Address

State IP Address MAC Address Model Type Import Result NMS URL Network

No Device yet.

Import Network Profile: **Import**

Back **Apply & Exit** **Cancel**

Nuclias Connect – Gestión del Switch

Vemos que descubre nuestro switch

Discover Device ✕

Re-Discovery Scan Finished (2022-01-11 20:11:15)

Configurable **Managed**

Device Type MAC Address

<input type="checkbox"/>	State	IP Address	MAC Address	Model Type	Import Result	NMS URL	Network	
<input type="checkbox"/>	Standalone	10.90.90.90	60:63:4c:84:bb:a0	DGS-1210-10P				

The Switch's configuration in Standalone mode will be reset after managing by server. Backup configuration before importing is necessary.

Import Network Profile: **Import**

Back **Apply & Exit** **Cancel**

Nuclias Connect – Gestión del Switch

Introducimos la password del switch e importamos

Discover Device ×

Start Discovery

Configurable Managed

Device Type MAC Address

<input checked="" type="checkbox"/>	State	IP Address	MAC Address	Model Type	Import Result	NMS URL	Network
<input checked="" type="checkbox"/>	Standalone	10.90.90.90	60:63:4c:84:bb:a0	DGS-1210-10P	Success		

The Switch's configuration in Standalone mode will be reset after managing by server. Backup configuration before importing is necessary.

Import Network Profile: Task successfully sent!

Nuclias Connect – Gestión del Switch

El switch pasa a estado *boarding* y luego a *managed*

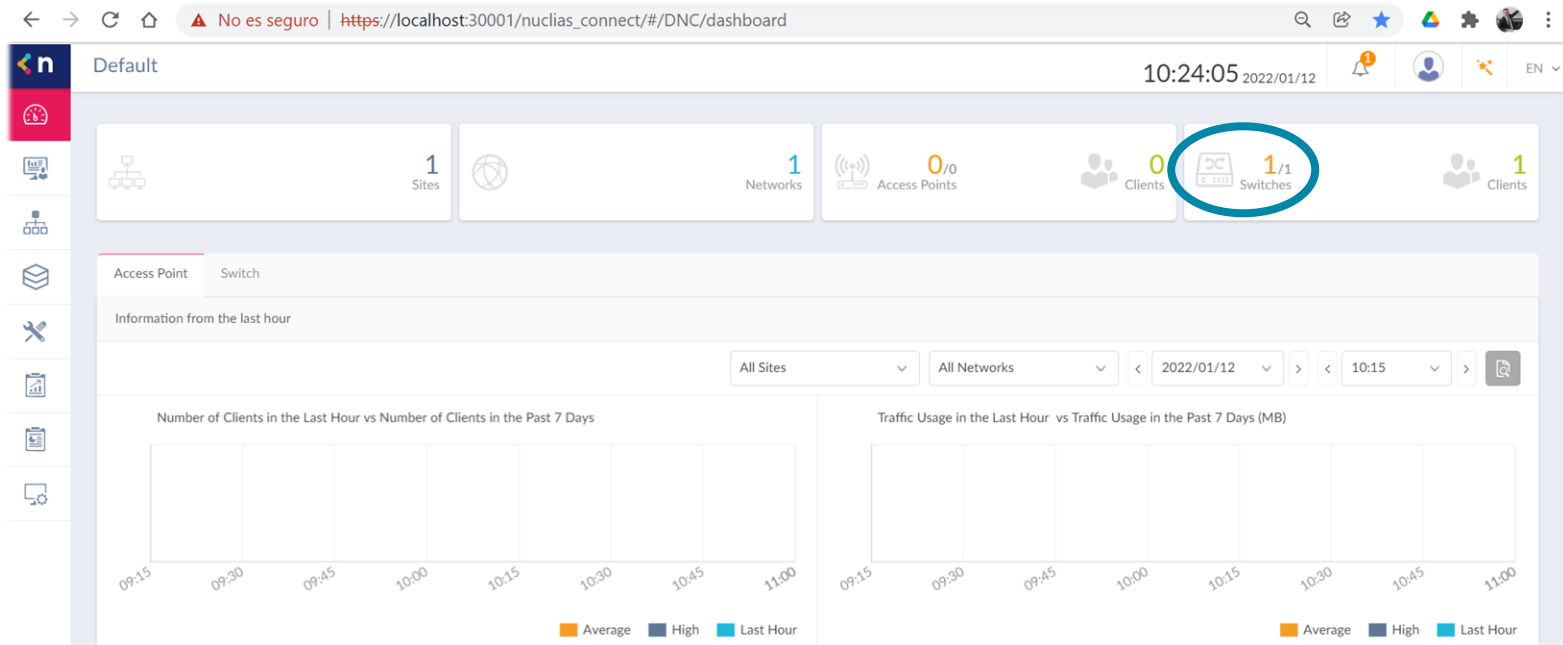
Configurable		Managed					
State	IP Address	MAC Address	Model Type	Import Result	NMS URL	Network	
<input type="checkbox"/>	10.90.90.90	60:63:4c:84:bb:a0	DGS-1210-10P		10.90.90.100:8443	Network_Test	

Configurable		Managed					
State	IP Address	MAC Address	Model Type	Import Result	NMS URL	Network	
<input type="checkbox"/>	10.90.90.90	60:63:4c:84:bb:a0	DGS-1210-10P		10.90.90.100:8443	Network_Test	



Nuclias Connect – Gestión del Switch

Nos aparece en el dashboard



Nuclias Connect – Gestión del Switch

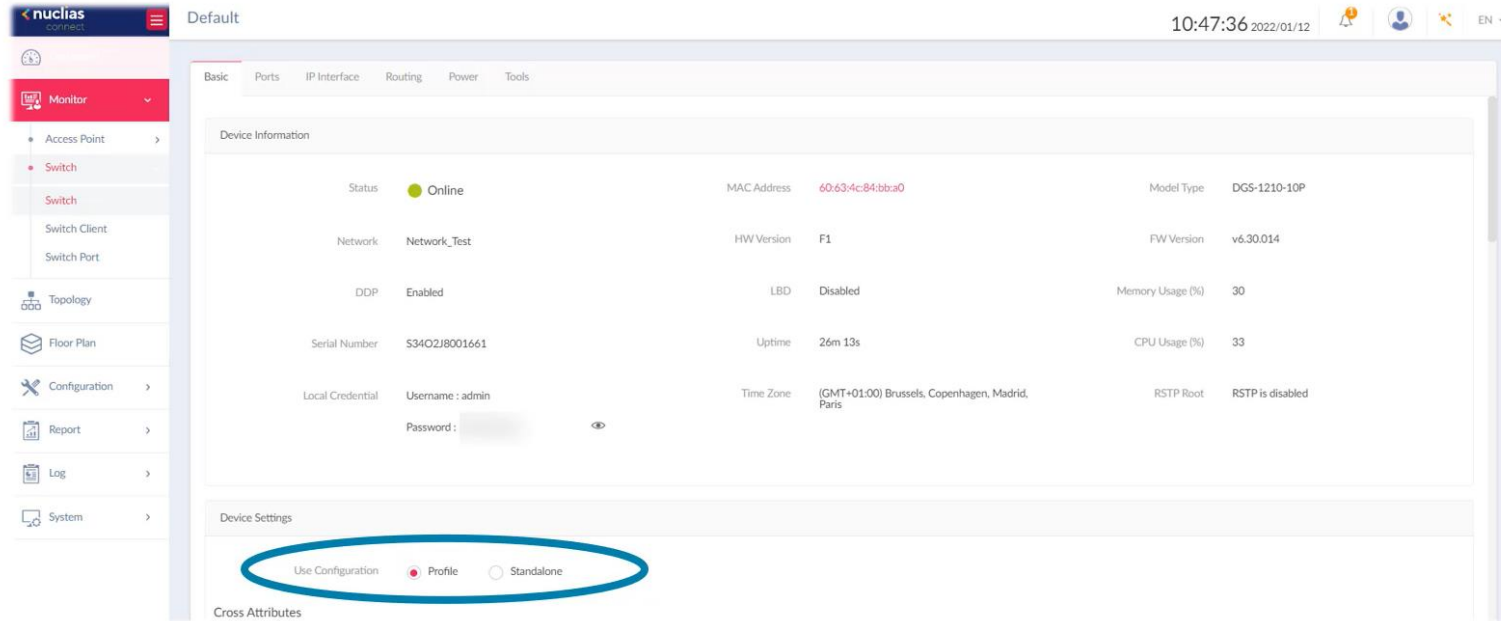
Vamos al detalle del switch

The screenshot displays the Nuclias Connect web interface. At the top, the header shows the 'n' logo, the word 'Default', the time '10:24:37', the date '2022/01/12', and user profile icons. Below the header, there are filters for 'All Sites' and 'All Networks', and a summary 'Total: 1/1 Switches'. A search bar is set to 'Local IP Address' with a search input field containing 'Keyword'. The main content is a table with the following columns: No., Status, Action, Local IP Address, MAC Address, Model Type, Name, Network, Network ID, Clients, Power Delivered, and Power Budget. The table contains one row with the following data: No. 1, Status (green dot), Action (power, refresh, refresh), Local IP Address 10.90.90.90, MAC Address 60:63:4c:84:bb:a0, Model Type DGS-1210-10P, Name, Network Network_Test, Network ID 10, Clients 1, Power Delivered 0.00W, and Power Budget 65.00W. A vertical sidebar on the left contains various navigation icons.

No.	Status	Action	Local IP Address	MAC Address	Model Type	Name	Network	Network ID	Clients	Power Delivered	Power Budget
1	●		10.90.90.90	60:63:4c:84:bb:a0	DGS-1210-10P		Network_Test	10	1	0.00W	65.00W

Nuclias Connect – Gestión del Switch

Si queremos crear un perfil para configurar varios switches >> Profile



The screenshot displays the Nuclias Connect web interface. The left sidebar contains navigation options: Monitor, Access Point, Switch, Switch Client, Switch Port, Topology, Floor Plan, Configuration, Report, Log, and System. The main content area shows the configuration for a switch, with tabs for Basic, Ports, IP Interface, Routing, Power, and Tools. The 'Basic' tab is active, showing 'Device Information' and 'Device Settings'.

Device Information

Status	Online	MAC Address	60:63:4c:84:bba0	Model Type	DGS-1210-10P
Network	Network_Test	HW Version	F1	FW Version	v6.30.014
DDP	Enabled	LBD	Disabled	Memory Usage (%)	30
Serial Number	S3402J8001661	Uptime	26m 13s	CPU Usage (%)	33
Local Credential	Username : admin Password : <input type="password"/>	Time Zone	(GMT+01:00) Brussels, Copenhagen, Madrid, Paris	RSTP Root	RSTP is disabled

Device Settings

Use Configuration Profile Standalone

Cross Attributes

Nuclias Connect – Gestión del Switch

Si queremos configurar cada switch individualmente >> Standalone

The image illustrates the process of configuring a switch in Standalone mode within the Nuclias Connect web interface. It consists of two screenshots connected by a large blue arrow pointing from left to right.

Top Screenshot: Shows the 'Default' configuration page for a switch. The 'Device Settings' section has 'Use Configuration' set to 'Profile'. A mouse cursor is hovering over the 'Standalone' radio button. A dialog box titled 'Change Use Configuration' is open, displaying the question: 'Do you want to disable Profile configurations that you may customize all cross attributes on this device?' with 'Yes' and 'No' buttons.

Bottom Screenshot: Shows the same configuration page, but now the 'Standalone' radio button is selected and circled in blue. A large blue arrow points from the 'Standalone' button in this screenshot to the 'Yes' button in the dialog box of the top screenshot, indicating the user's choice.

Nuclias Connect – Gestión del Switch

Recuerda: Ahora la config del switch sólo se hace desde el DNC

Default 10:48:50 2022/01/12

Profile > Site_Test > Network_Test > Switch > DGS-1210 > Basic

VLAN Configuration

VLAN ID*

Description

VLAN List

The max. number of entries in the table is 256, 255 remain


VLAN ID	Description	Action
1	Default	

Nuclias Connect – Gestión del Switch

NOTA: Recordemos que la password es la introducida en el DNC

▲ No es seguro | 10.90.90.90

Connect to 10.90.90.90



Enter your password

Password

Language ▼

OK Cancel

Nuclias Connect – Gestión del Switch

Desde el switch en local no tendríamos privilegios para configuración

← → ↻ 🏠 No es seguro | 10.90.90.90/homepage.htm

D-Link Building Networks for People *Smart* admin - 10.90.90.100

Save Tools Wizard Help Surveillance Mode Logout

DGS-1210-10P

- System
- VLAN
 - 802.1Q VLAN
 - 802.1Q VLAN PVID
- Voice VLAN
- Auto Surveillance VLAN
- L2 Functions
- L3 Functions
- QoS
- Security
- AAA
- ACL
- PoE
- SNMP
- Monitoring

802.1Q VLAN Settings

Asymmetric VLAN [Example] Enabled Disabled

Total static VLAN entries: 1
Maximum 256 entries.

VID	VLAN Name	Untagged	Tagged	Delete
1	default	01-10		Delete

Nuclias Connect – Gestión del Switch

Si queremos volver a la config tradicional del switch >> 1) Unmanaged

The screenshot shows the Nuclias Connect web interface. On the left is a navigation sidebar with options: Dashboard, Monitor (selected), Access Point, Switch, Topology, and Floor Plan. The main content area is titled 'Default' and shows a table of switches. At the top of the table, there are filters for 'All Sites' and 'All Networks', and a summary 'Total: 1/1 Switches'. The table has columns for No., Status, Action, Local IP Address, MAC Address, Model Type, and Name. A single switch is listed with No. 1, a green status dot, and a local IP address of 10.90.90.90. A hand cursor is clicking on the 'Action' menu for this switch, which has opened a dropdown menu with the option 'Move to Unmanaged'. Below the table, a confirmation dialog box is visible with the text 'Move to Unmanaged' and a close button (X).

No.	Status	Action	Local IP Address	MAC Address	Model Type	Name
1	●	⋮	10.90.90.90	60:63:4c:84:bb:a0	DGS-1210-10P	

? Are you sure you want to move this switch to Unmanaged?



Nuclias Connect – Gestión del Switch

Si queremos volver a la config tradicional del switch >> 2) Delete

The screenshot shows the Nuclias Connect interface. On the left is a navigation menu with options like Dashboard, Monitor, Topology, Floor Plan, Configuration, Report, Log, and System. The main area displays a table of network devices under the 'Unmanaged' tab. The table has columns for Status, Local IP Address, NAT IP Address, MAC Address, Model Type, HW Version, FW Version, and Unmanaged Time. A single device is listed with a green status dot and a checkmark. Above the table are search filters for Device Type (All Type) and Search By (Local IP Address). Two red buttons, 'Move to Managed' and 'Delete', are visible above the table. The 'Delete' button is circled in red, and a mouse cursor is hovering over it.

Status	Local IP Address	NAT IP Address	MAC Address	Model Type	HW Version	FW Version	Unmanaged Time
✓	10.90.90.90	10.90.90.90	60:63:4c:84:bba0	DGS-1210-10P	F1	v6.30.014	2022-01-17 15:10:32

Delete

? Are you sure you want to delete this device from Nuclias Connect?



Gestiona tu red desde D-Link Nuclias Connect

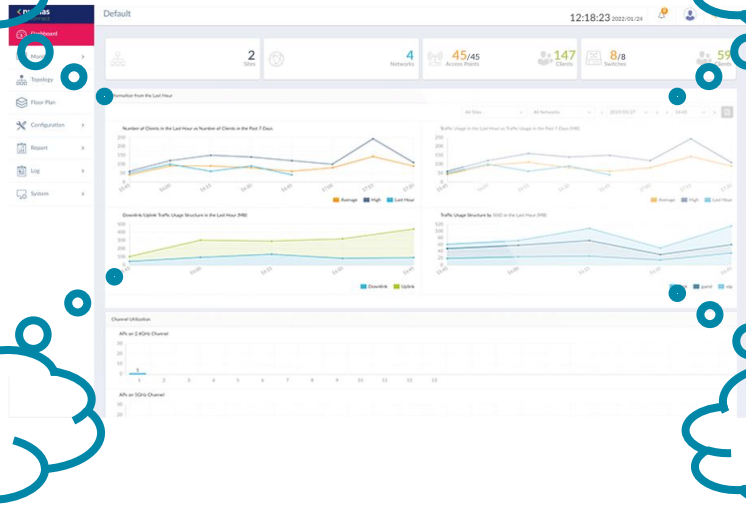
Casos prácticos con Switches Smart

Creación
de **VLANs**

Activar
RSTP

Configurar
Puertos

Crear
ACLs



Configura tus switches desde DNC

Crear VLANs

The screenshot shows the D-Link DNC interface for configuring a switch. The left sidebar contains navigation options: Dashboard, Monitor, Topology, Floor Plan, Configuration (selected), Report, Log, and System. The Configuration menu is expanded, showing options like Create Profile, Profile Settings (selected), Firmware Upgrade, SSL Certificate, and Payment Gateway. The main content area is titled 'Default' and shows a breadcrumb trail: Profile > Site_Test > Network_Test > Switch > DGS-1210 > Basic. The 'Basic' configuration page is active, displaying the 'VLAN Configuration' section. A form allows entering 'VLAN ID*' (3) and 'Description' (VLAN3). Below the form are 'Add' and 'Clear' buttons. The 'VLAN List' section shows a table with existing VLANs: 1 (Default) and 2 (VLAN2). A message states: 'The max. number of entries in the table is 256, 254 remain'.

Profile > Site_Test > Network_Test > Switch > DGS-1210 > Basic

VLAN Configuration

VLAN ID*

2-4094

Description

VLAN List

VLAN ID

The max. number of entries in the table is 256, 254 remain

VLAN ID	Description	Action
1	Default	<input type="button" value="Edit"/>
2	VLAN2	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Basic successfully saved

Configura tus switches desde DNC

Configurar los puertos del switch

Profile > Site_Test > Network_Test > Switch > DGS-1210 > Port Setting

10 Ports | 20 Ports | 26 Ports | 28 Ports | 52 Ports

Search By: VLAN | Port Type: All Type | Search 'Keyword'

Port	Link	Port Type	VLAN	Allowed VLANs	Port State	PoE	RSTP	LBD	DDP
<input type="checkbox"/> 1	Default	Access	1	-	Enabled	Enabled	Enabled	Disabled	Enabled
<input checked="" type="checkbox"/> 2	Default	Access	1	-	Enabled	Enabled	Enabled	Disabled	Enabled
<input type="checkbox"/> 3	Default	Access	1	-	Enabled	Enabled	Enabled	Disabled	Enabled
<input type="checkbox"/> 4	Default	Access	1	-	Enabled	Enabled	Enabled	Disabled	Enabled

Port Type: **Access**

RSTP: **Enabled**

VLAN: **2**

Access Policies: **Disabled**

LBD: **Disabled**

STP Guard: **Disabled**

Save

Cancel

Configura tus switches desde DNC

Activar Rapid Spanning-Tree

The screenshot displays the D-Link DNC configuration interface. On the left is a navigation sidebar with the following items: Dashboard, Monitor, Topology, Floor Plan, Configuration (highlighted in red), Report, Log, and System. Under 'Configuration', the sub-menu 'Profile Settings' is selected. The main content area shows a breadcrumb trail: Profile > Site_Test > Network_Test > Switch > DGS-1210 > Basic. A left-hand menu lists configuration categories: Profile, Site_Test, Network_Test, Switch, Common, DGS-1210, and Basic (highlighted). The main panel shows the 'Basic' configuration for the switch, with 'RSTP' set to 'Enabled' (indicated by a red radio button). Other configuration options are shown as expandable sections: VLAN Configuration, Voice VLAN Configuration, IGMP Snooping Configuration, DHCP Server Screen Configuration, Jumbo Frame Configuration, Quality of Service, LBD Configuration, DDP Configuration, and Local Credential Configuration. At the bottom right of the configuration area are 'Save' and 'Clear' buttons.

Configura tus switches desde DNC



Crear una ACL (access-list)

The screenshot shows the configuration page for a switch (DGS-1210) under the 'IPv4 ACL' section. The breadcrumb path is 'Profile > Site_Test > Network_Test > Switch > DGS-1210 > IPv4 ACL'. The main area is titled 'User Defined IPv4 ACL Rules' and contains a form for creating a new rule. The form fields are:

- Sequence No.: 1-65535 (with a checkmark and 'Auto' label)
- Policy: Deny
- Protocol: Any
- Source: IPv4 Address (192.168.2.0/24, e.g. 192.168.1.0/24)
- Src Port: Any
- Destination: IPv4 Address (192.168.3.0/24, e.g. 192.168.1.0/24)
- Dst Port: Any
- Comment*: ACL TEST

At the bottom right of the form, there are 'Add' and 'Clear' buttons. A mouse cursor is pointing at the 'Add' button.

The max. number of user defined entries in the table is 768, 767 remain

Sequence No.	Policy	Protocol	Source	Src Port	Destination	Dst Port	Comment	Action
10	Deny	Any	192.168.2.0/24	Any	192.168.3.0/24	Any	ACL TEST	 

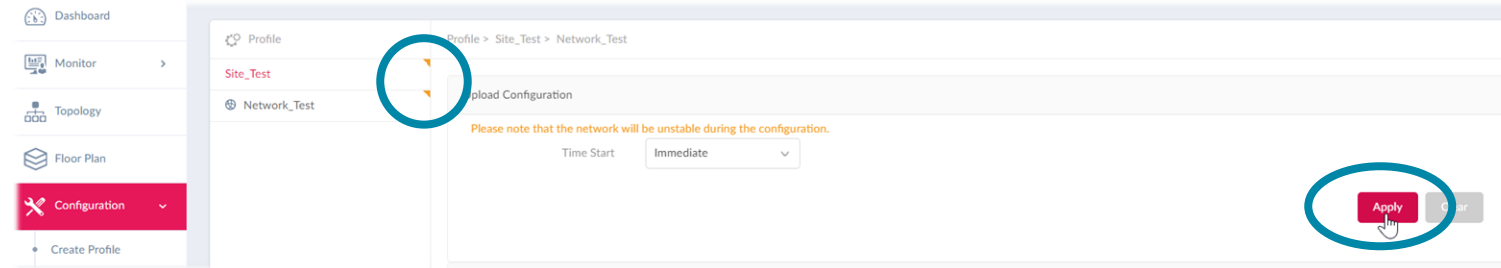
1 - 15 of 1 total items: 1

<< < 1 / 1 > >> 15 items per page

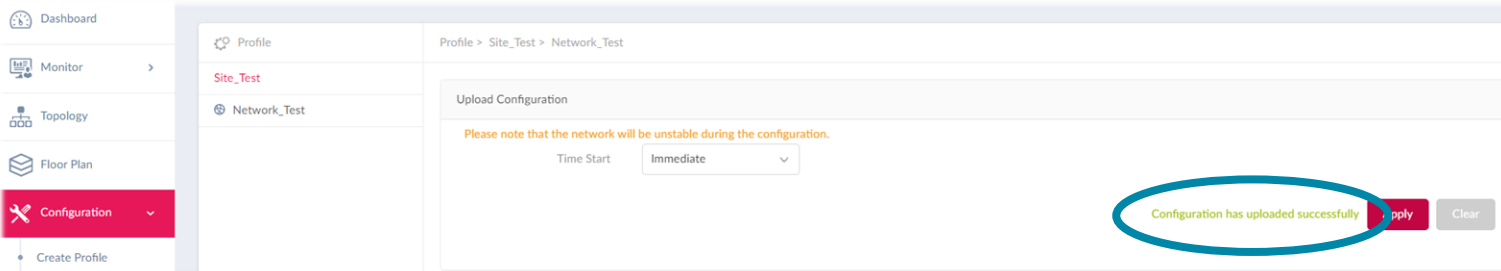
Save

Configura tus switches desde DNC

Aplicar al switch todos los cambios guardados en DNC



The screenshot shows the D-Link DNC interface. On the left is a navigation menu with options: Dashboard, Monitor, Topology, Floor Plan, Configuration (highlighted in red), and Create Profile. The main content area is titled 'Profile > Site_Test > Network_Test'. It features a 'Network_Test' profile card with a 'Download Configuration' button. Below this, a warning message states: 'Please note that the network will be unstable during the configuration.' A 'Time Start' dropdown menu is set to 'Immediate'. At the bottom right, there is a red 'Apply' button and a grey 'Clear' button. A red circle highlights the 'Apply' button.



The screenshot shows the D-Link DNC interface after a successful configuration upload. The layout is identical to the previous screenshot, but the 'Apply' button is now green and displays the text 'Configuration has uploaded successfully'. A red circle highlights this green button.



Muchas
gracias!

Muito
obrigado!

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