



DHCP Server



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Agenda

DHCP Server – Smart & Managed Switches



- ✓ DHCP Client
- ✓ DHCP Server
- ✓ DHCP Relay
- ✓ DHCP Server Screening



D-Link, una empresa sólida

Nacimos en 1.986 y desde el 2.000 en España y Portugal



Who We Are

Established in **1986**, one of the world's leading networking companies



Performance

2019 Revenue USD **549.6** million



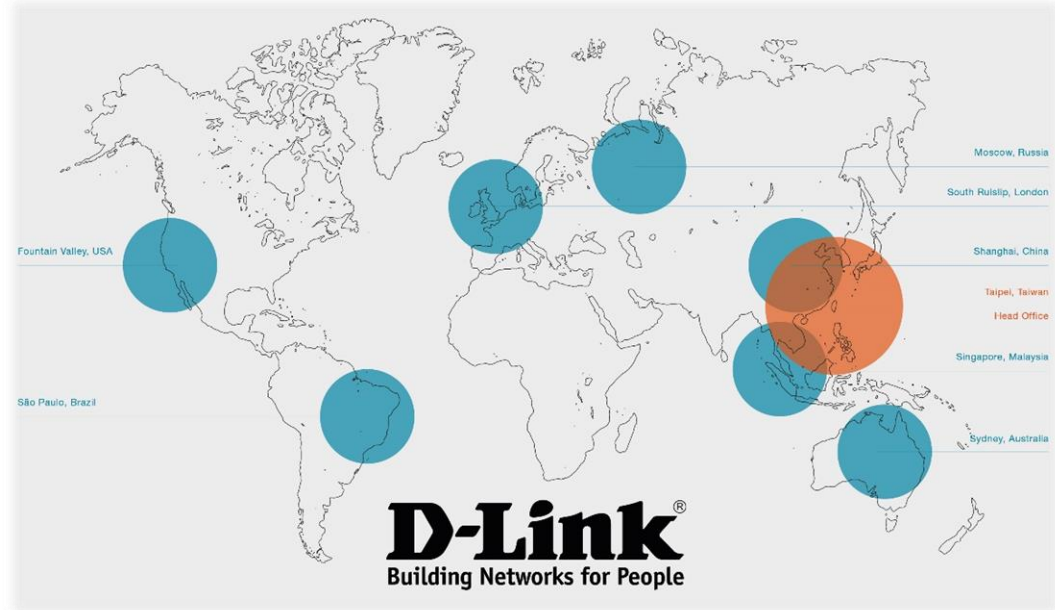
Staff

Over **2,000** employees.
Approximately **500** employees in R&D



Business Segments

Consumer / Enterprise / Carrier



Reconocidos en el sector

Se valora muy positivamente nuestra labor



DGS-1520 Series
Premios MC 2020:
Mejor Solución de
Conectividad
Empresarial

Premios MC



COVR-1102, COVR-1103
MEJOR GADGET
HOGAR DIGITAL 2020

Revista Gadget



COVR-1102, COVR-1103
Premios Redeszone
2020: mejor sistema
Wi-Fi Mesh

RedesZone



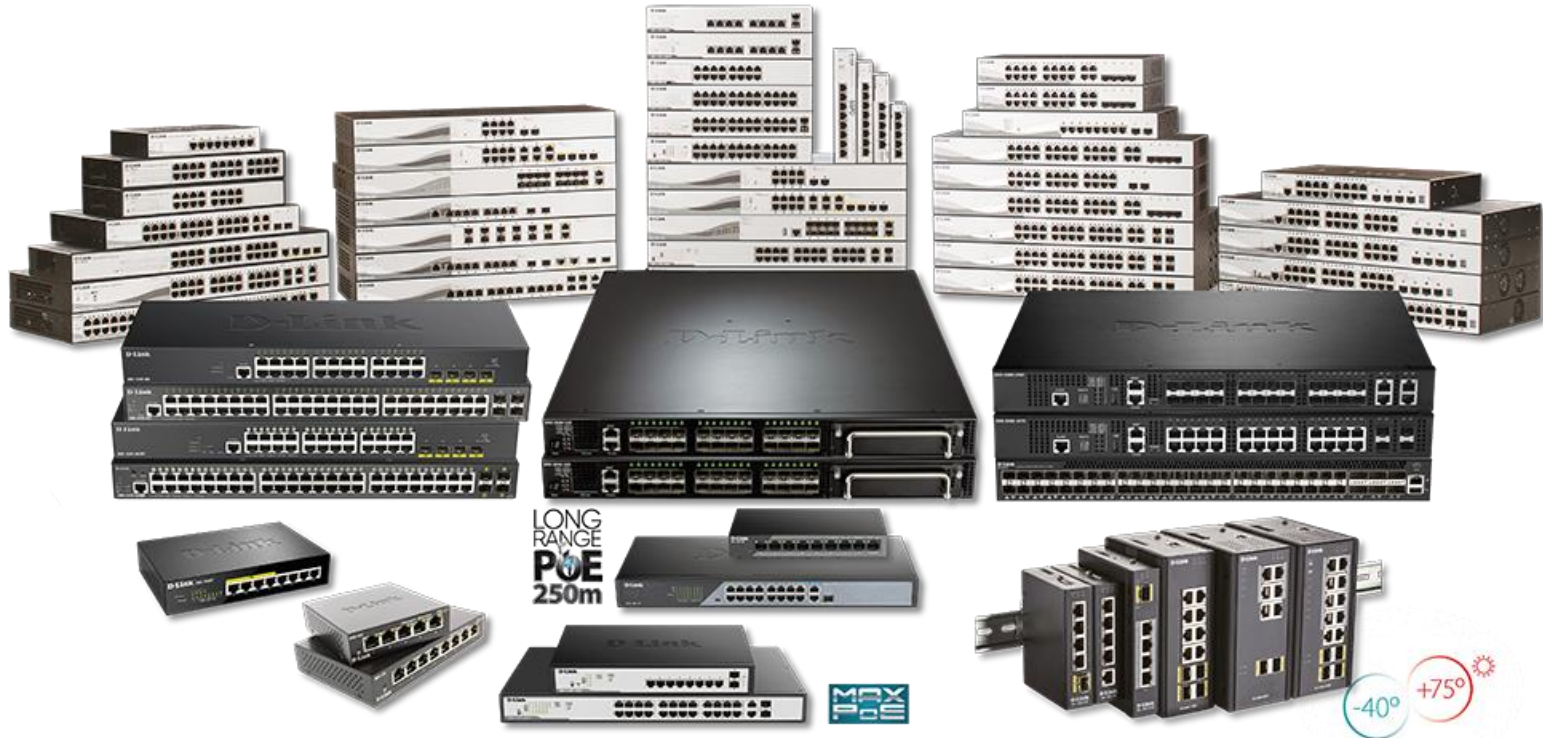
DIR-3060
Valoración 9/10 en
Redeszone

Redeszone



¿Qué switch quieres? ¡Lo tenemos!

Unmanaged, Smart, Managed, Data Center e Industriales



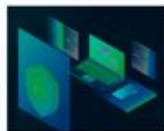
Soporte y atención personalizada

Deja que te asesoremos para ayudarte

<https://eu.dlink.com>



es-sales@dlink.com



Cómo configurar Listas de Control de Accesos (ACL) para seguridad de redes



Cómo Configurar Stacking Físico



Cómo Configurar Private Vlan Smart & Managed Switches



pt-sales@dlink.com

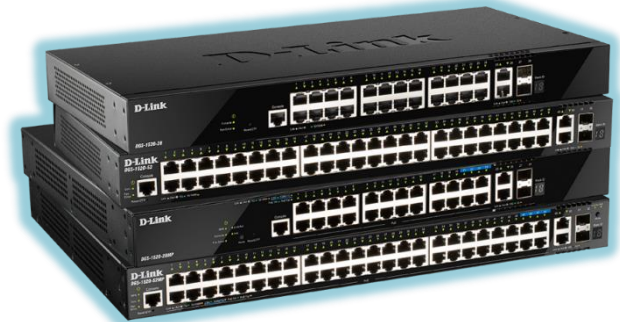
Switches con DHCP Server

D-Link Smart Switches

DGS-1510 (*)



DGS-1520



Up to 10
Dynamic
Pools

Up to 1024
IPv4 addresses

(*) desde Firmware 1.70.012

Switches con DHCP Server

D-Link Managed Switches

DGS-3130



DGS-3630



DXS-3400



DXS-3610



DHCP Process

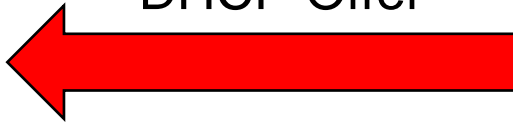
Management Service



DHCP Discover



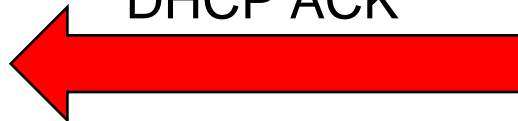
DHCP Offer



DHCP Request

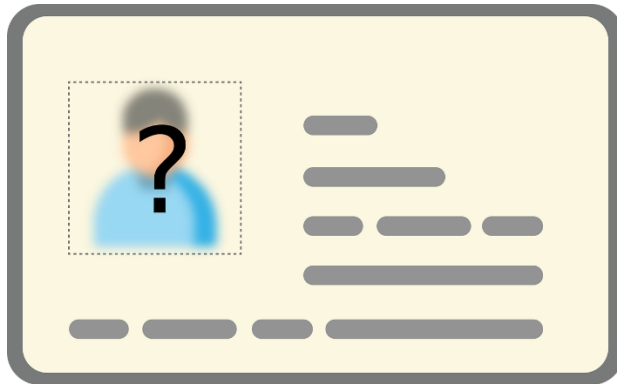


DHCP ACK



DHCP Process

Management Service



Protocolo **APIPA**
(Automatic Private Internet
Protocol Addressing)

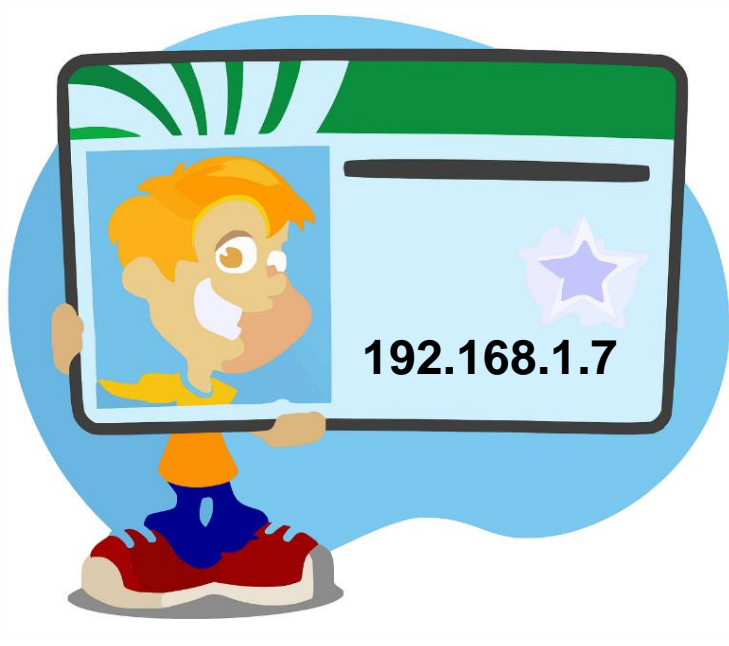
169.254.0.1 – 169.254.255.254

Adaptador de Ethernet Ethernet 3:

```
Sufijo DNS específico para la conexión. . . :  
Vínculo: dirección IPv6 local. . . : fe80::5d7:50ac:544:3375%12  
Dirección IPv4 de configuración automática: 169.254.51.117  
Máscara de subred . . . . . : 255.255.0.0  
Puerta de enlace predeterminada . . . . . :
```

DHCP Process

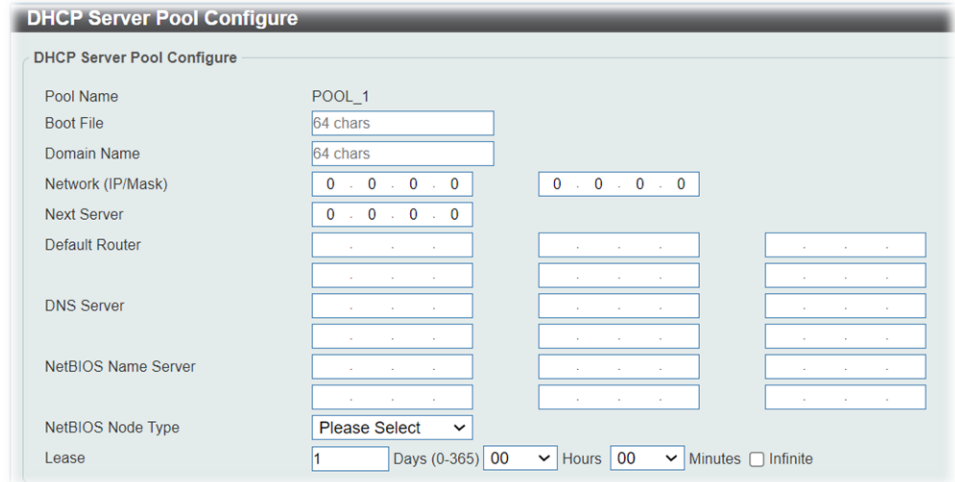
Management Service



Pool IP addresses

Configuración del DHCP Server

- ✓ DHCP Pool Name
- ✓ Direcccionamiento
- ✓ Gateway & DNS
- ✓ Direcciones Excluidas



The screenshot displays the 'DHCP Server Pool Configure' interface. The title bar reads 'DHCP Server Pool Configure'. Below the title, the main heading is 'DHCP Server Pool Configure'. The configuration fields are as follows:

Pool Name	POOL_1		
Boot File	64 chars		
Domain Name	64 chars		
Network (IP/Mask)	0 . 0 . 0 . 0	0 . 0 . 0 . 0	
Next Server	0 . 0 . 0 . 0		
Default Router
DNS Server
NetBIOS Name Server
NetBIOS Node Type	Please Select		
Lease	1	Days (0-365)	00 Hours 00 Minutes <input type="checkbox"/> Infinite

DHCP Configuration

Multitud de opciones en el menú

The screenshot displays the D-Link web management interface for a DGS-1510-20 switch. The top navigation bar includes the D-Link logo, a refresh interval of 10 seconds, and a user login status of Administrator. The left sidebar shows a tree view of DHCP settings, with 'DHCP Relay Information Option Format Settings' selected. The main content area is titled 'DHCP Relay Information Option Format Settings' and contains the following configuration options:

- DHCP Relay Information Option Format Global:**
 - Information Format Remote ID: Default
 - Information Format Circuit ID: Default
- DHCP Relay Information Option Format Type:**
 - From Port: eth1/0/1
 - To Port: eth1/0/1
 - Format: Vendor3
 - Type: Remote ID
 - Value: 32 chars

Below the configuration options is a table with the following columns: Port, Format, Remote ID Value, and Circuit ID Value. The table contains five rows corresponding to ports eth1/0/1 through eth1/0/5.

Port	Format	Remote ID Value	Circuit ID Value
eth1/0/1			
eth1/0/2			
eth1/0/3			
eth1/0/4			
eth1/0/5			

Class or Classless

Class for DHCP

- ✓ Seleccionar un subrango del pool

DHCP Class Settings

DHCP Class State

DHCP Use Class State

DHCP Class Settings

Class Name

Total Entries: 1

Class Name
CLASS_7

DHCP Server Global Settings

DHCP Use Class State

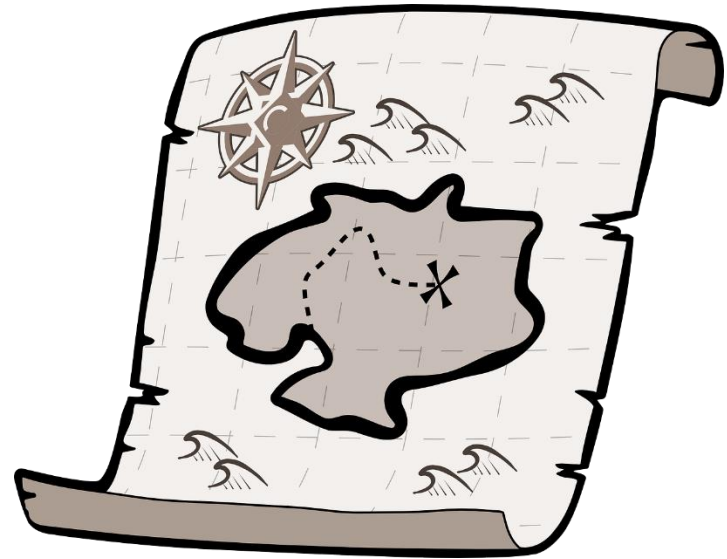
DHCP Use Class State Enabled Disabled



DHCP Relay

Reenviar al DHCP Server pertinente

- ✓ Para una conexión no directa
al DHCP Server
- ✓ Enviamos las peticiones DHCP
- ✓ Especificar la dirección
del DHCP Server



DHCP Server Screening

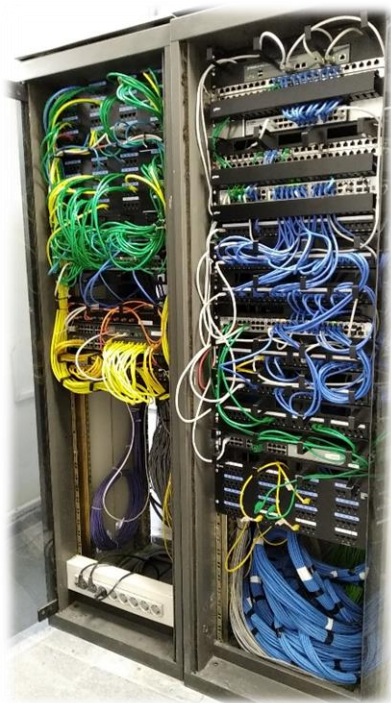
Securizar nuestro DHCP Server

- ✓ Servidor DHCP confiable
- ✓ Evitar ataques...
- ✓ ...o sorpresas inesperadas
- ✓ Se configura por puertos



Casos de Éxito - UPM

ETS Ingenieros Industriales

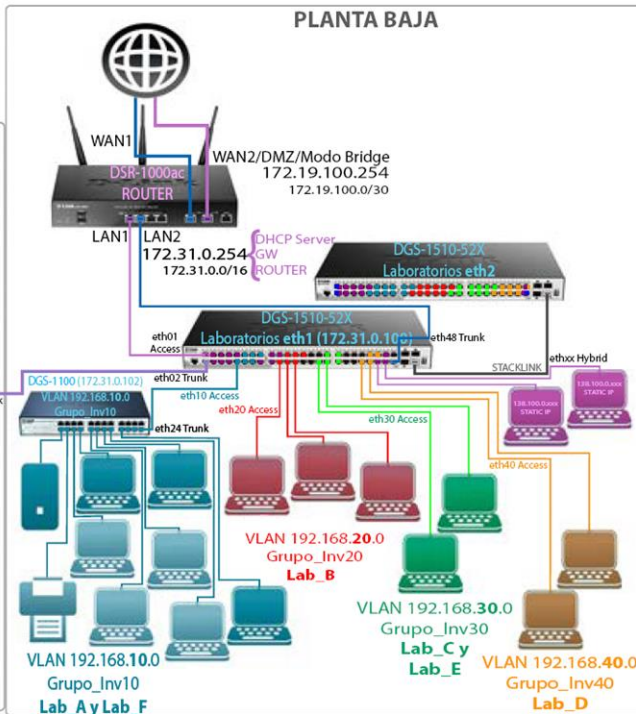
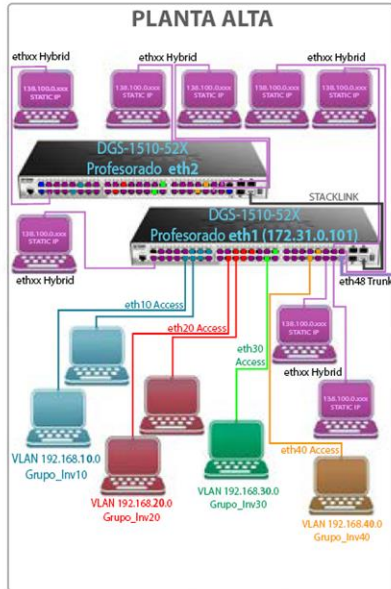


Casos de Éxito - UPM

ETS Ingenieros Industriales



Configuración LAN
por Grupos de Investigación
División Automática (DISAM)
ETSII-UPM



DSR-1000AC



DGS-1510-52X



DGS-1100-24

D-Link[®]
ACADEMY



Demo Práctica



Hands-on

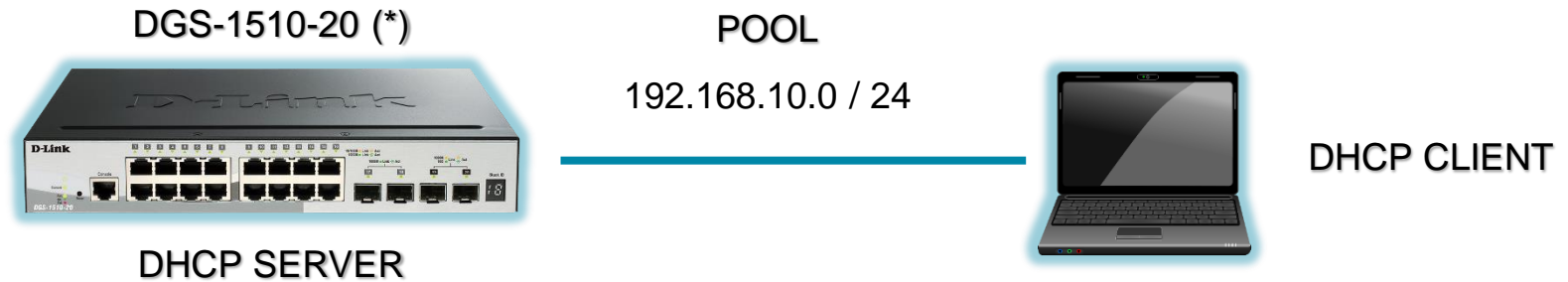
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Escenario I – DHCP Classless

DHCP Server con switches DGS-1510



(*) Con firmware igual o posterior a 1.70.012

DHCP Classless (Web UI)

Ejemplo de configuración de una IP dentro de un Pool

The screenshot displays the 'DHCP Server Pool Settings' page in the D-Link Web UI. On the left, a navigation tree shows the path: System > Management > DHCP > DHCP Server > DHCP Server Pool Settings. The main content area shows the configuration for a pool named 'POOL1'. The 'Pool Name' field contains 'POOL1'. An 'Apply' button is located in the top right corner. Below the pool name, a table lists the pool entries. The table has one entry with the name 'POOL1'. To the right of this entry are buttons for 'Edit Class', 'Edit Option', 'Configure', and 'Delete'. The 'Configure' button is circled in blue. At the bottom of the table, there are navigation controls including a 'Go' button and a page indicator showing '1'.

Pool Name	
POOL1	Edit Class Edit Option Configure Delete

DHCP Classless (Web UI)

Ejemplo de configuración de una IP dentro de un Pool

The screenshot displays the 'DHCP Server Pool Configure' web interface. On the left, a navigation tree shows the path: System > Management > DHCP > DHCP Server > DHCP Server Pool Settings. The main configuration area includes the following fields:

- Pool Name: POOL1
- Boot File: 64 chars
- Domain Name: 64 chars
- Network (IP/Mask): 192.168.10.0 / 255.255.255.0 (highlighted with a red circle)
- Next Server: 0.0.0.0
- Default Router: Four empty IP input fields
- DNS Server: Four empty IP input fields
- NetBIOS Name Server: Four empty IP input fields
- NetBIOS Node Type: Please Select (dropdown menu)
- Lease: 1 Days (0-365), 00 Hours, 00 Minutes, Infinite checkbox

At the bottom right, there are 'Back' and 'Apply' buttons, with the 'Apply' button highlighted by a red circle.

DHCP Classless (Web UI)

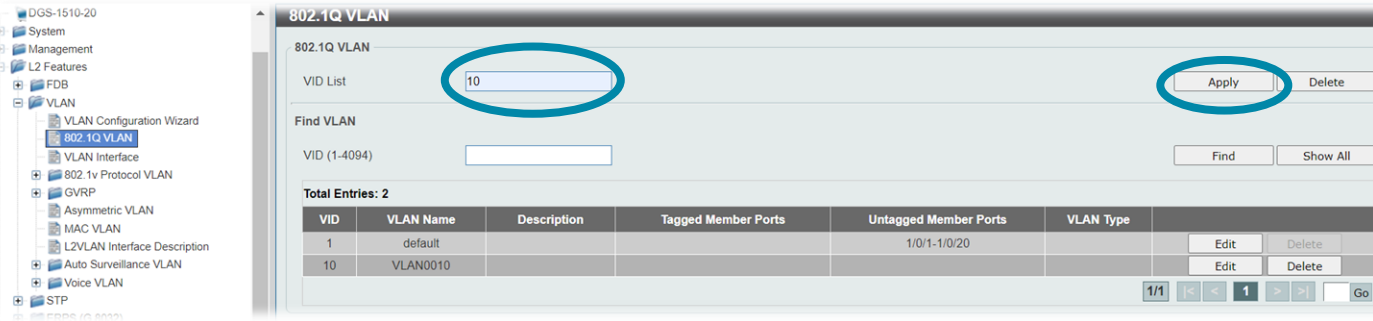
Ejemplo de configuración de una IP dentro de un Pool

The screenshot displays the 'DHCP Server Exclude Address' configuration page in the D-Link Web UI. The left sidebar shows the navigation tree with 'DHCP Server Exclude Address' selected. The main content area shows the configuration fields for the exclude address range. The 'Begin Address' is set to 192.168.10.1 and the 'End Address' is set to 192.168.10.20. An 'Apply' button is located on the right side of the configuration area. Below the configuration fields, a table shows the total entries for the exclude address range.

Begin Address	End Address	
192.168.10.1	192.168.10.20	Delete

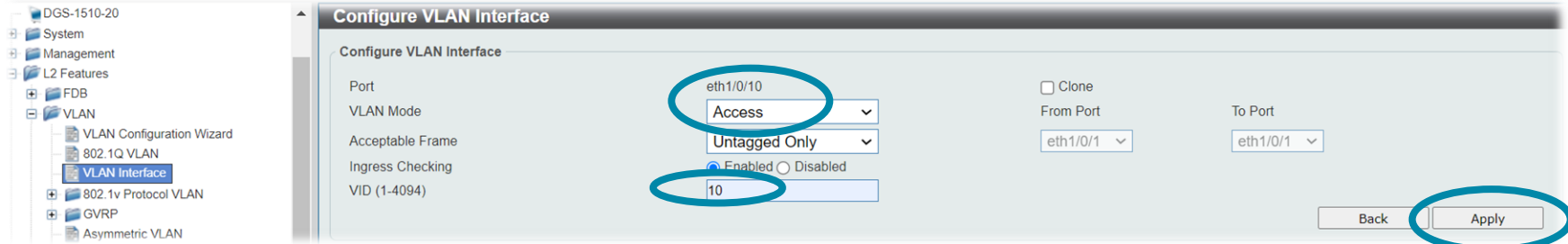
DHCP Classless (Web UI)

Ejemplo de configuración de una IP dentro de un Pool



The screenshot shows the '802.1Q VLAN' configuration page. The 'VID List' field is set to 10. The 'Apply' button is highlighted. The 'Find VLAN' section shows a search for VID (1-4094). The 'Total Entries: 2' table is displayed below.

VID	VLAN Name	Description	Tagged Member Ports	Untagged Member Ports	VLAN Type		
1	default			1/0/1-1/0/20		Edit	Delete
10	VLAN0010					Edit	Delete



The screenshot shows the 'Configure VLAN Interface' page. The 'Port' is eth1/0/10, 'VLAN Mode' is Access, 'Acceptable Frame' is Untagged Only, and the 'VID (1-4094)' is 10. The 'Apply' button is highlighted.

Port: eth1/0/10
VLAN Mode: Access
Acceptable Frame: Untagged Only
Ingress Checking: Enabled Disabled
VID (1-4094): 10

DHCP Classless (Web UI)

Ejemplo de configuración de una IP dentro de un Pool

Fuzzy Search

- DGS-1510-20
 - System
 - Management
 - L2 Features
 - L3 Features
 - ARP
 - Gratuitous ARP
 - UDP Helper
 - IPv4 Interface**
 - IPv4 Static/Default Route
 - IPv4 Route Table
 - IPv6 Interface

IPv4 Interface

Interface VLAN (1-4094)

Apply Find

Total Entries: 3

Interface	State	IP Address	Secondary	Link Status	
vlan1	Enabled	10.90.90.91/255.255.255.0	No	Down	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
vlan10	Enabled	192.168.10.1/255.255.255.0	No	Up	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
vlan14	Enabled	192.168.14.1/255.255.255.0	No	Down	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

1/1 < < 1 > > Go

Primary IP Settings

Get IP From

Static

IP Address

192 . 168 . 10 . 1

Mask

255 . 255 . 255 . 0

Apply

Delete

DHCP Classless (Web UI)

Ejemplo de configuración de una IP dentro de un Pool

Service DHCP

Service DHCP State: Disabled Enabled

Service IPv6 DHCP State: Disabled Enabled

DHCP Server Dynamic Binding

DHCP Server Dynamic Binding

IP Address:

Pool Name: All

IP Address:

Total Entries: 1

IP Address	Client-ID/Hardware Address	Lease Expiration	Type
192.168.10.21	0160634CE0C961	2019/01/02 00:53:18	Automatic

1/1

DHCP Classless (CLI)

Ejemplo de configuración de una IP dentro de un Pool

```
Switch#configure terminal
Switch(config)#ip dhcp pool POOL1
Switch(config-dhcp-pool)#network 192.168.10.0/24
Switch(config-dhcp-pool)#
```

```
Switch#configure terminal
Switch(config)#ip dhcp excluded-address 192.168.10.1 192.168.10.20
```

DHCP Classless (CLI)

Ejemplo de configuración de una IP dentro de un Pool

```
Switch#configure terminal
Switch(config)#vlan 10
Switch(config-vlan)#exit
Switch(config)#interface ethernet 1/0/10
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#
```

```
DGS-1510-20_01#configure terminal
DGS-1510-20_01(config)#interface vlan 10
DGS-1510-20_01(config-if)#ip address 192.168.10.1 255.255.255.0
```

DHCP Classless (CLI)

Ejemplo de configuración de una IP dentro de un Pool

```
Switch#configure terminal
Switch(config)#service dhcp
Switch(config)#
Switch#show ip dhcp server

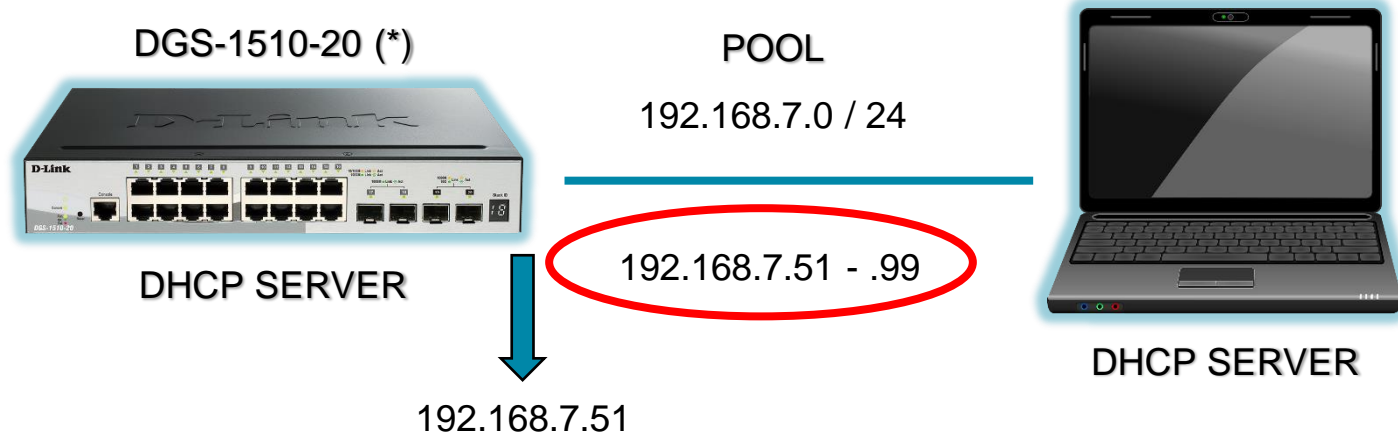
DHCP Service: Enabled
Ping packets number: 2
Ping timeout: 500 ms
```

```
DGS-1510-20_01#show ip dhcp binding
```

IP address	Client-ID/ Hardware address	Lease expiration	Type
192.168.10.21	0160634CE0C961	Jan 02 2019 00:53 AM	Automatic

Escenario II – DHCP Class State

DHCP Server con switches DGS-1510



(*) Con firmware igual o posterior a 1.70.012

DHCP Class (Web UI)

Ejemplo de configuración de una IP dentro de un Rango

Fuzzy Search

- DGS-1510-20
 - System
 - Management
 - User Accounts Settings
 - Password Encryption
 - Login Method
 - SNMP
 - RMON
 - Telnet/Web
 - Session Timeout
 - DHCP
 - Service DHCP
 - DHCP Class Settings**
 - DHCP Server

DHCP Class Settings

DHCP Class State

DHCP Use Class State: **Enabled**

DHCP Class Settings

Class Name:

Total Entries: 0

Class Name

Fuzzy Search

- DGS-1510-20
 - System
 - Management
 - User Accounts Settings
 - Password Encryption
 - Login Method
 - SNMP
 - RMON
 - Telnet/Web
 - Session Timeout
 - DHCP
 - Service DHCP
 - DHCP Class Settings**
 - DHCP Server

DHCP Class Settings

DHCP Class State

DHCP Use Class State: **Enabled**

DHCP Class Settings

Class Name: **CLASS_A**

Total Entries: 1

Class Name	Edit	Delete
CLASS_A	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

1/1 < < 1 > > Go

DHCP Class (Web UI)

Ejemplo de configuración de una IP dentro de un Rango

The screenshot displays the 'DHCP Server Pool Settings' configuration page. On the left, a navigation tree shows the path: DHCP > DHCP Server > DHCP Server Pool Settings. The main content area includes a 'Fuzzy Search' box at the top left. Below it, the 'DHCP Server Pool Settings' section contains a 'Pool Name' field with the value 'POOL_A'. To the right of this field is an 'Apply' button. Below the field, a table lists the configured entries. The table has a header row with 'Pool Name' and a data row with 'POOL_A'. To the right of the data row are buttons for 'Edit Class', 'Edit Option', 'Configure', and 'Delete'. The 'Configure' button is highlighted. Below the table, there is a pagination control showing '1/1' and a 'Go' button.

Pool Name	
POOL_A	Edit Class Edit Option Configure Delete

DHCP Class (Web UI)

Ejemplo de configuración de una IP dentro de un Rango

The screenshot displays the 'DHCP Server Pool Configure' web interface. On the left, a navigation tree shows the path: Management > DHCP > DHCP Server > DHCP Server Pool Settings. The main configuration area includes the following fields:

- Pool Name: POOL_A
- Boot File: 64 chars
- Domain Name: 64 chars
- Network (IP/Mask): 192.168.10.0 / 255.255.255.0 (highlighted with a red circle)
- Next Server: 0.0.0.0
- Default Router: Four empty IP address fields
- DNS Server: Four empty IP address fields
- NetBIOS Name Server: Four empty IP address fields
- NetBIOS Node Type: Please Select (dropdown menu)
- Lease: 1 Days (0-365), 00 Hours, 00 Minutes, Infinite checkbox

At the bottom right, there are 'Back' and 'Apply' buttons, with the 'Apply' button highlighted by a red circle.

DHCP Class (Web UI)

Ejemplo de configuración de una IP dentro de un Rango

The screenshot shows the 'DHCP Server Pool Settings' page in the D-Link Web UI. On the left is a navigation tree with 'DHCP Server Pool Settings' selected. The main content area shows a form for 'DHCP Server Pool Settings' with 'POOL_A' entered in the 'Pool Name' field. Below the form is a table with one entry, 'POOL_A', and a row of action buttons: 'Edit Class', 'Edit Option', 'Configure', and 'Delete'. The 'Edit Class' button is circled in blue. At the bottom right of the table, there is a pagination control showing '1/1' and a 'Go' button.

Pool Name	
POOL_A	Edit Class Edit Option Configure Delete

DHCP Class (Web UI)

Ejemplo de configuración de una IP dentro de un Rango

The screenshot displays the 'DHCP Server Pool Class Settings' page in the D-Link Web UI. The left sidebar shows a navigation tree with 'DHCP Server Pool Settings' selected. The main content area shows the configuration for a DHCP class named 'CLASS_A' under the 'POOL A' pool. The 'Start Address' is set to '192.168.10.100' and the 'End Address' is set to '192.168.10.199'. Below the form, a table shows 'Total Entries: 1' with one entry for 'CLASS_A' with the same address range. The 'Apply' button is highlighted with a red circle.

DHCP Server Pool Class Settings

DHCP Server Pool Class Settings

Pool Name: POOL A

Class Name: CLASS_A

Start Address: 192.168.10.100

End Address: 192.168.10.199

Apply

Total Entries: 1

Class Name	Start Address	End Address	Delete by Name	Delete by Address
CLASS_A	192.168.10.100	192.168.10.199		

Back

DHCP Class (CLI)

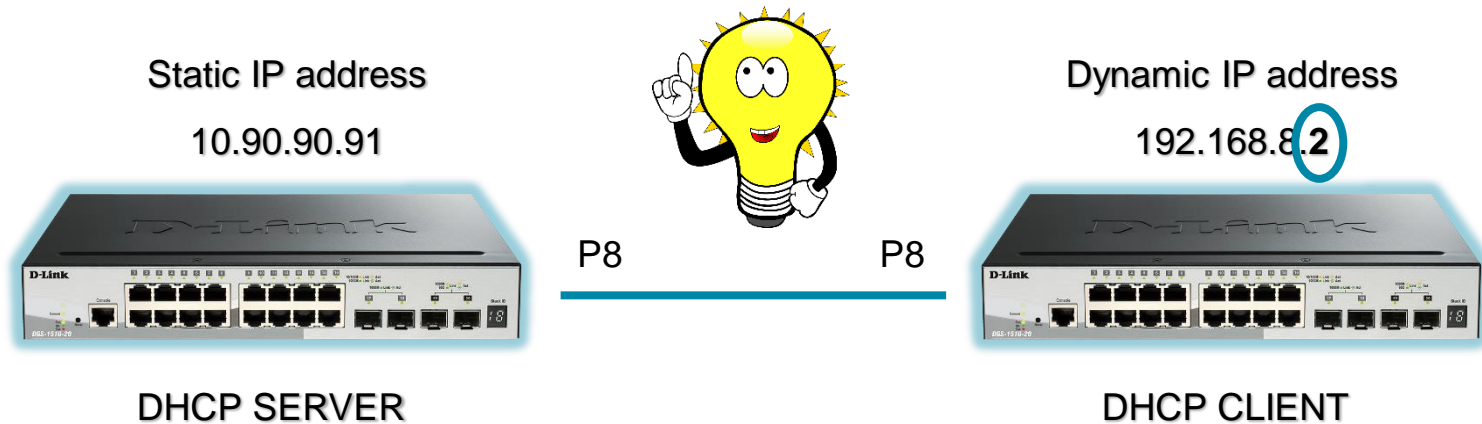
Ejemplo de configuración de una IP dentro de un Rango

```
DGS-1510-20_01#configure terminal
DGS-1510-20_01(config)#ip dhcp use class
DGS-1510-20_01(config)#ip dhcp class CLASS_A
DGS-1510-20_01(config-dhcp-class)#
```

```
ip dhcp pool POOL_A
network 192.168.10.0/24
class CLASS_A
address range 192.168.10.100 192.168.10.199
```

Escenario III – DHCP para un Switch

DHCP Server con switches DGS-1510



DHCP Server Manual Binding

DHCP Client (Web UI)

Asignación automática de la IP para un switch

Fuzzy Search

- DGS-1510-20
 - System
 - Management
 - L2 Features
 - L3 Features
 - ARP
 - Gratuitous ARP
 - UDP Helper
 - IPv4 Interface**
 - IPv4 Static/Default Route

IPv4 Interface

Interface VLAN (1-4094)

Apply Find

Total Entries: 1

Interface	State	IP Address	Secondary	Link Status	
vlan1	Enabled	10.90.90.101/255.255.255.0	No	Up	Edit Delete

1/1

Primary IP Settings

Get IP From **DHCP** ▼

IP Address

Mask

Apply Delete

DHCP Client (CLI)

Asignación automática de la IP para un switch

```
DGS-1510-20_02#configure terminal
DGS-1510-20_02(config)#interface vlan1
DGS-1510-20_02(config-if)#ip address dhcp
DGS-1510-20_02(config-if)#
```

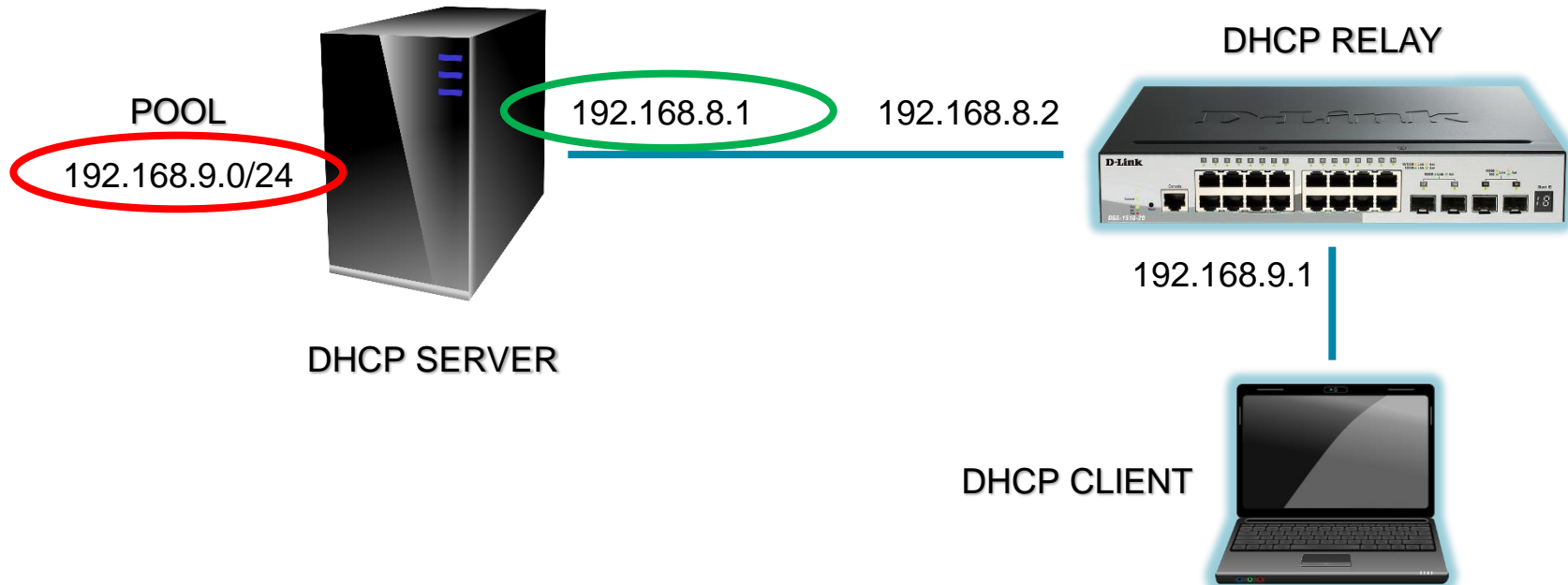
```
DGS-1510-20_02#show ip interface brief
```

Interface	IP Address	Link Status
vlan1	10.90.90.101	up

```
Total Entries: 1
```

Escenario IV – DHCP Relay

DHCP Relay con switches DGS-1510



Escenario IV – DHCP Relay

DHCP Relay con switches DGS-1510

1	0.00000000	10.90.90.101	10.90.90.91	DHCP	342 DHCP Discover	- Transaction ID 0x210ff535
2	1.61145400	10.90.90.91	192.168.9.1	DHCP	342 DHCP Offer	- Transaction ID 0x210ff535
3	1.61554700	10.90.90.101	10.90.90.91	DHCP	360 DHCP Request	- Transaction ID 0x210ff535
4	1.61766700	10.90.90.91	192.168.9.1	DHCP	342 DHCP ACK	- Transaction ID 0x210ff535

```
Frame 2: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: f4:8c:eb:6e:28:c0 (f4:8c:eb:6e:28:c0), Dst: ec:22:80:3c:20:a0 (ec:22:80:3c:20:a0)
Internet Protocol Version 4, Src: 10.90.90.91 (10.90.90.91), Dst: 192.168.9.1 (192.168.9.1)
User Datagram Protocol, Src Port: bootps (67), Dst Port: bootps (67)
Bootstrap Protocol
```

```
Message type: Boot Reply (2)
Hardware type: Ethernet
Hardware address length: 6
Hops: 1
Transaction ID: 0x210ff535
Seconds elapsed: 0
☑ Bootp flags: 0x0000 (Unicast)
Client IP address: 0.0.0.0 (0.0.0.0)
Your (client) IP address: 192.168.9.2 (192.168.9.2)
Next server IP address: 10.90.90.91 (10.90.90.91)
Relay agent IP address: 192.168.9.1 (192.168.9.1)
Client MAC address: 6c:0b:84:6c:7c:c5 (6c:0b:84:6c:7c:c5)
Server host name not given
Boot file name not given
Magic cookie: (OK)
Option 53: DHCP Message Type = DHCP Offer
Option 54: Server Identifier = 10.90.90.91
Option 51: IP Address Lease Time = 1 day
Option 1: Subnet Mask = 255.255.255.0
Option 3: Router = 192.168.9.1
End Option
Padding
```

DHCP Relay (Web UI)

Configuración en el DHCP Server

The screenshot shows the 'DHCP Server Pool Configure' web interface. On the left is a navigation tree with 'DHCP Server Pool Settings' selected. The main panel contains the following configuration fields:

- Pool Name: POOL_9
- Boot File: 64 chars
- Domain Name: 64 chars
- Network (IP/Mask): 192.168.9.0 / 255.255.255.0
- Next Server: 0.0.0.0
- Default Router: (four empty fields)
- DNS Server: (four empty fields)
- NetBIOS Name Server: (four empty fields)
- NetBIOS Node Type: Please Select
- Lease: 1 Days (0-365), 00 Hours, 00 Minutes, Infinite

Buttons for 'Back' and 'Apply' are located at the bottom right.

The screenshot shows the 'IPv4 Static/Default Route' web interface. On the left is a navigation tree with 'IPv4 Static/Default Route' selected. The main panel contains the following configuration fields:

- IP Address: (empty field)
- Mask: (empty field)
- Default Route:
- Gateway: (empty field)
- Backup State: Please Select

An 'Apply' button is located at the bottom right.

Total Entries: 1

IP Address	Mask	Gateway	Interface Name	
192.168.9.0	255.255.255.0	192.168.8.2	vlan8	Delete

Page navigation: 1/1, 1, Go

DHCP Relay (Web UI)

Configuración en el DHCP Relay

The screenshot shows the 'DHCP Relay Pool Settings' page. On the left is a navigation tree with 'DHCP Relay Pool Settings' selected. The main area has a 'Pool Name' field containing 'POOL_9' and an 'Apply' button. Below is a table with one entry:

Pool Name	Source	Destination	Class	
POOL_9	<input type="button" value="Edit"/>	<input type="button" value="Edit"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

At the bottom of the table are navigation controls: '1/1', '<<', '>>', and 'Go'.

DHCP Relay Pool Source Settings

DHCP Relay Pool Source Settings

Pool Name: POOL_9

Source IP Address: Subnet Mask:

DHCP Relay Pool Destination Settings

DHCP Relay Pool Destination Settings

Pool Name: POOL_9

Relay Destination:

The screenshot shows the 'Service DHCP' page. The navigation tree on the left has 'Service DHCP' selected. The main area has two sections:

Service DHCP
Service DHCP State: Disabled Enabled

Service IPv6 DHCP
Service IPv6 DHCP State: Disabled Enabled

DHCP Relay (CLI)

Configuración en el DHCP Server

```
DGS-1510-20_01#configure terminal
DGS-1510-20_01(config)#ip dhcp pool POOL_9
DGS-1510-20_01(config-dhcp-pool)#network 192.168.9.0/24
```

```
DGS-1510-20_01#conf t
DGS-1510-20_01(config)#ip route 192.168.9.0 255.255.255.0 192.168.8.2
```

DHCP Relay (CLI)

Configuración en el DHCP Relay

```
DGS-1510-20_02#conf t
DGS-1510-20_02(config)#vlan 9
DGS-1510-20_02(config-vlan)#exit
DGS-1510-20_02(config)#int ethernet 1/0/9
DGS-1510-20_02(config-if)#switchport mode access
DGS-1510-20_02(config-if)#switchport access vlan 9
```

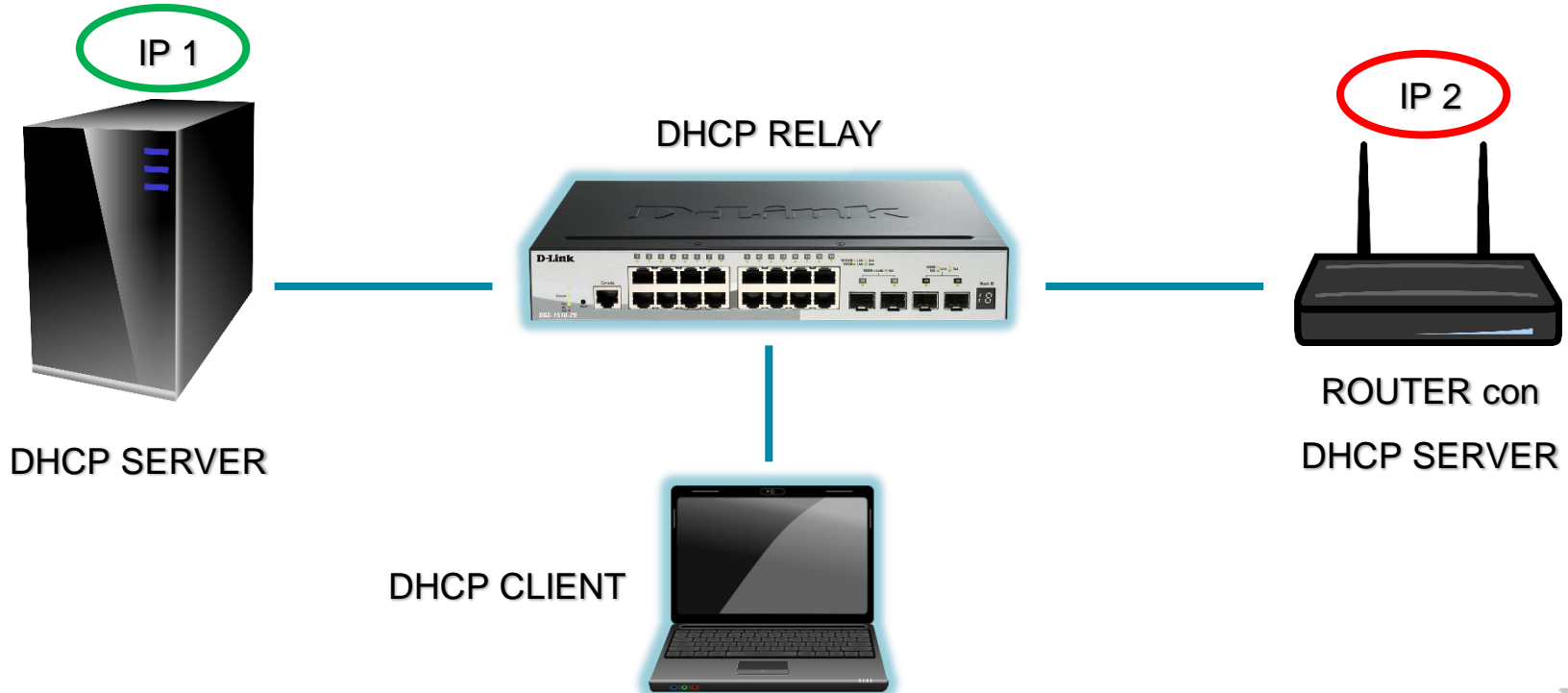
```
DGS-1510-20_02(config)#interface vlan 9
DGS-1510-20_02(config-if)#ip address 192.168.9.1 255.255.255.0
```

```
DGS-1510-20_02(config)#ip dhcp pool 9
DGS-1510-20_02(config-dhcp-pool)#relay source 192.168.9.0 255.255.255.0
DGS-1510-20_02(config-dhcp-pool)#relay destination 192.168.8.1
```

```
DGS-1510-20_02(config)#service dhcp
```

Escenario V – DHCP Server Screening

Securizar el DHCP Server con switches DGS-1510



DHCP Server Screening (Web UI & CLI)

Securizar el DHCP Server con switches DGS-1510

The screenshot shows the 'DHCP Server Screening Port Settings' configuration page. The main configuration area includes the following fields:

- Unit: 1
- From Port: eth1/0/8
- To Port: eth1/0/8
- State: Enabled
- Server IP: 192.168.8.1
- Profile Name: 32 chars

An 'Apply' button is located to the right of the Profile Name field.

Port	State	Server IP	Profile Name	
eth1/0/1	Disabled	-	-	Delete
eth1/0/2	Disabled	-	-	Delete
eth1/0/3	Disabled	-	-	Delete
eth1/0/4	Disabled	-	-	Delete
eth1/0/5	Disabled	-	-	Delete
eth1/0/6	Disabled	-	-	Delete
eth1/0/7	Disabled	-	-	Delete
eth1/0/8	Enabled	192.168.8.1	-	Delete
eth1/0/9	Disabled	-	-	Delete
eth1/0/10	Disabled	-	-	Delete
eth1/0/11	Disabled	-	-	Delete
eth1/0/12	Disabled	-	-	Delete

```
DGS-1510-20_01#configure terminal
DGS-1510-20_01(config)#interface ethernet 1/0/8
DGS-1510-20_01(config-if)#ip dhcp snooping server-screen
DGS-1510-20_01(config-if)#ip dhcp snooping server-screen 192.168.8.1
```

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Programa de Canal VIP+

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Wi-Fi Planner Pro

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Surveillance Floor Planner Pro

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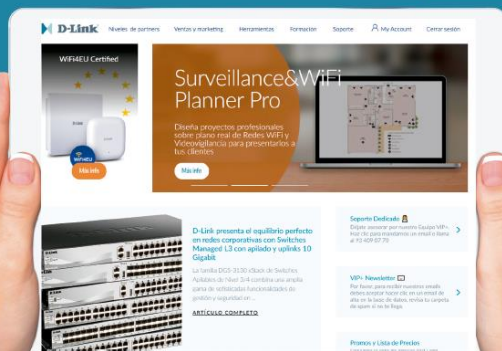
Bandwidth Calculator

Calculadora de ancho de banda para gestionar la tasa de transferencia necesaria para optimizar el tráfico de red de Cámaras IP, videograbadores NVR, etc.



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