

Config Routeur



**Hewlett Packard
Enterprise**

2015-PRESENT

Sommaire

Sommaire.....	2
1. Qu'est-ce qu'un routeur?.....	3
1. Procédure générale.....	4

1. Qu'est-ce qu'un routeur?

Un routeur est un **appareil permettant de créer un réseau Wi-Fi**. Il doit pour cela être relié à un modem. Il envoie les informations provenant d'Internet à vos appareils personnels (ordinateurs, téléphones et tablettes). Le routeur que l'on utilise est le **HPE OfficeConnect 1920s 8G PPOE+ 65W**



1. Procédure générale

The screenshot displays the configuration page for an HPE OfficeConnect 1920S 8G PPoE+ 65W Switch (JL383A). The interface includes a top status bar with port information, a navigation menu on the left, and a main configuration area for VLANs. The VLAN configuration table shows three entries: the default VLAN, and two newly created static VLANs (10 and 100).

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LAN > Configuration Save Configuration Log Out

VLAN Configuration Help

Display rows Showing 1 to 3 of 3 entries Filter:

<input type="checkbox"/>	↕ VLAN ID	↕ Name	↕ Type
<input type="checkbox"/>	1	default	Default
<input type="checkbox"/>	10	VLAN0010	Static
<input type="checkbox"/>	100	VLAN0100	Static

First Previous 1 Next Last

Refresh Add Edit Remove

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La procédure générale commence par la création de deux VLANs : le VLAN 10 et le VLAN 100

Enterprise

Routing > Configuration > Global

Save Configuration Log Out

Status Global VLAN/Interface Configuration Statistics

Routing IP Configuration Help

Routing Mode Enabled Disabled

ICMP Echo Replies

ICMP Redirects

ICMP Rate Limit Interval (0 to 2147483647)

ICMP Rate Limit Burst Size (1 to 200)

Static Route Preference (1 to 255)

Local Route Preference

Maximum Next Hops

Maximum Routes

Global Default Gateway (x.x.x.x)

Apply Refresh Cancel

Une fois les VLANs créés, on configure successivement le VLAN 10 puis le VLAN 100 pour définir leurs paramètres.

Enterprise

Routing > Configuration > Status

Save Configuration Log Out

Status Global VLAN/Interface Configuration Statistics

Routing IP Interface Summary Help

Display rows Showing 1 to 10 of 10 entries Filter:

<input type="checkbox"/>	Interface	Status	IP Address	Subnet Mask	Admin Mode	State	MAC Address	Prox ARP
<input type="checkbox"/>	1	Down	0.0.0.0	0.0.0.0	Enabled	Active	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	2	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	3	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	4	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	5	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	6	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	7	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	8	Down	0.0.0.0	0.0.0.0	Enabled	Active	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	VLAN-10	Up	192.168.10.254	255.255.255.0	Enabled	Active	54:80:28:CB:BF:DE	Disal
<input type="checkbox"/>	VLAN-100	Up	192.168.100.254	255.255.255.0	Enabled	Active	54:80:28:CB:BF:DE	Disal

First Previous 1 Next Last

Refresh Details

Création des VLAN 10 et 100.

HPE OfficeConnect Switch 1920S

Non sécurisé 192.168.1.1/htdocs/pages/main/main.jsp

Routing IP Interface Configuration Help

Type VLAN Interface

VLAN

Interface

Status

Routing Mode Enabled Disabled

Admin Mode Enabled Disabled

State

Link Speed Data Rate

IP Address Configuration Method None Manual DHCP

DHCP Client Identifier

IP Address (x.x.x.x)

Subnet Mask (x.x.x.x)

MAC Address

IP MTU (68 to 9198)

Bandwidth (1 to 10000000)

Encapsulation Type Ethernet SNAP

Forward Net Directed Broadcasts

192.168.1.1/htdocs/pages/switching/port_channel_summar...

Enterprise

Routing > Configuration > VLAN/Interface Configuration Save Configuration Log Out

Status Global **VLAN/Interface Configuration** Statistics

Routing IP Interface Configuration Help

Type VLAN Interface

VLAN

Interface

Status

Routing Mode Enabled Disabled

Admin Mode Enabled Disabled

State

Link Speed Data Rate

IP Address Configuration Method None Manual DHCP

DHCP Client Identifier

IP Address (x.x.x.x)

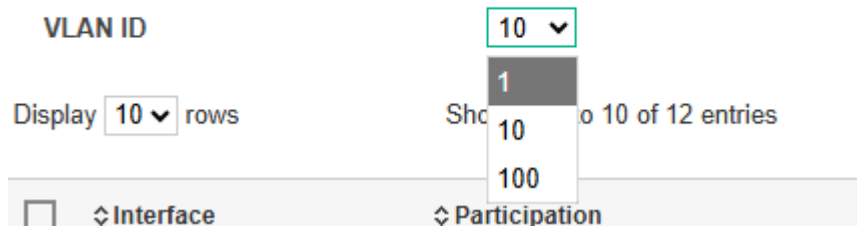
Subnet Mask (x.x.x.x)

MAC Address

IP MTU (68 to 9198)

Voici la configurations des vlans 10 et 100

VLAN Port Membership



On se met dans le vlan 10 puis le vlan 100.

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VLAN > Port Membership

Save Configuration Log Out

VLAN Port Membership Help

VLAN ID: 10

Display: 10 rows

Showing 1 to 10 of 12 entries

Filter:

<input type="checkbox"/>	Interface	Participation	Tagging
<input type="checkbox"/>	1	Include	Tagged
<input type="checkbox"/>	2	Exclude	Untagged
<input type="checkbox"/>	3	Exclude	Untagged
<input type="checkbox"/>	4	Exclude	Untagged
<input type="checkbox"/>	5	Exclude	Untagged
<input type="checkbox"/>	6	Exclude	Untagged
<input type="checkbox"/>	7	Exclude	Untagged
<input type="checkbox"/>	8	Exclude	Untagged
<input type="checkbox"/>	TRK 1	Exclude	Untagged
<input type="checkbox"/>	TRK 2	Exclude	Untagged

First Previous 1 2 Next Last

*Le port 1 du switch est configuré en mode **tagged**, et les ports nécessaires sont définis en mode **trunk** afin de permettre la circulation du trafic des différents VLANs.*

The screenshot shows the HP Enterprise web interface for configuring DHCP Relay. The browser address bar shows the URL `192.168.1.1/htdocs/pages/main/main.jsp`. The page title is "Enterprise" and the breadcrumb navigation is "Routing > DHCP Relay > Global".

On the left is a navigation menu with the following items:

- Dashboard
- Setup Network
- Switching
- VLAN
- Trunks
- LLDP
- LLDP-MED
- Power Over Ethernet
- Routing
 - Configuration
 - IPv4 Routing
 - DHCP Relay**
 - ARP Table
- QoS
- Security
- Green Features
- Diagnostics
- Maintenance

The main content area is titled "DHCP Relay Global Configuration" and includes a "Help" link. It features a "Global" tab and sub-tabs for "VLAN/Interface Configuration" and "Statistics". The "Admin Mode" is set to "Enabled". Below this, there is a table with the following data:

<input type="checkbox"/>	UDP Destination Port	Server Address	Hit Count
<input type="checkbox"/>	67	192.168.100.2	11

At the bottom of the configuration area, there are buttons for "Apply", "Refresh", "Add", "Remove", and "Cancel". The footer of the page reads "Copyright © 2010-2017 Hewlett Packard Enterprise Development LP."

L'installation d'un **DHCP Relay** est mise en place pour permettre aux différents VLANs d'obtenir une adresse IP depuis un serveur DHCP situé sur un autre réseau.