

# “config Routeur”



# Hewlett Packard Enterprise

2015-PRESENT

# Sommaire

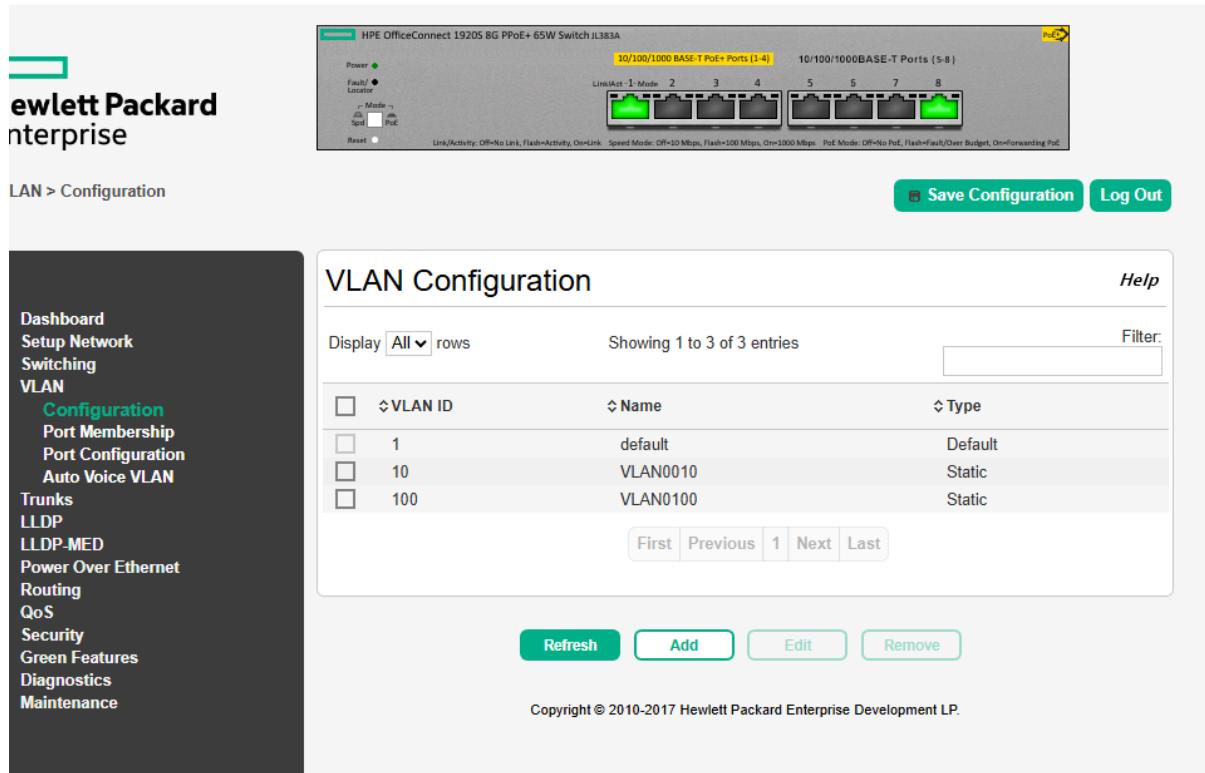
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# 1. Qu'est-ce qu'un routeur?

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 shows the HPE OfficeConnect 1920S 8G PoE+ 65W Switch JL383A web interface. The top bar displays the switch's model and port status. The main content area is titled 'VLAN Configuration'. It shows a table with three entries: VLAN 1 (default, Default), VLAN 10 (VLAN0010, Static), and VLAN 100 (VLAN0100, Static). The table includes columns for VLAN ID, Name, and Type. Below the table are buttons for Refresh, Add, Edit, and Remove. The left sidebar shows a navigation menu with various configuration options like Dashboard, Setup Network, and Configuration (which is currently selected).

VLAN ID	Name	Type
1	default	Default
10	VLAN0010	Static
100	VLAN0100	Static

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

Enterprise

Routing > Configuration > Global

Status Global VLAN/Interface Configuration Statistics

Save Configuration Log Out

Routing IP Configuration Help

Routing Mode:  Enabled  Disabled

ICMP Echo Replies:

ICMP Redirects:

ICMP Rate Limit Interval: 1000 (0 to 2147483647)

ICMP Rate Limit Burst Size: 100 (1 to 200)

Static Route Preference: 1 (1 to 255)

Local Route Preference: 0

Maximum Next Hops: 1

Maximum Routes: 64

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

Status Global VLAN/Interface Configuration Statistics

Save Configuration Log Out

Routing IP Interface Summary Help

Display 10 rows Showing 1 to 10 of 10 entries Filter:

Interface	Status	IP Address	Subnet Mask	Admin Mode	State	MAC Address	Prox ARP
1	Down	0.0.0.0	0.0.0.0	Enabled	Active	54:80:28:CB:BF:DE	Disal
2	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
3	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
4	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
5	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
6	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
7	Down	0.0.0.0	0.0.0.0	Enabled	Inactive	54:80:28:CB:BF:DE	Disal
8	Down	0.0.0.0	0.0.0.0	Enabled	Active	54:80:28:CB:BF:DE	Disal
VLAN-10	Up	192.168.10.254	255.255.255.0	Enabled	Active	54:80:28:CB:BF:DE	Disal
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.

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

## Routing IP Interface Configuration

Type:  VLAN  Interface

VLAN: VLAN 10

Interface: 1

Status: Down

Routing Mode:  Enabled  Disabled

Admin Mode:  Enabled  Disabled

State: Inactive

Link Speed Data Rate: 10

IP Address Configuration Method:  None  Manual  DHCP

DHCP Client Identifier:

IP Address: 192.168.10.254 (x.x.x.x)

Subnet Mask: 255.255.255.0 (x.x.x.x)

MAC Address: 54:80:28:CB:BF:DE

IP MTU: 1500 (68 to 9198)

Bandwidth: 10000 (1 to 10000000)

Encapsulation Type:  Ethernet  SNAP

Forward Net Directed Broadcasts:

192.168.1.1/htdocs/pages/switching/port\_channel\_summary..

Active Windows  
Accédez aux paramètres pour activer Windows.

Enterprise

Routing > Configuration > VLAN/Interface Configuration

Save Configuration Log Out

Status Global VLAN/Interface Configuration Statistics

## Routing IP Interface Configuration

Type:  VLAN  Interface

VLAN: VLAN 100

Interface: 1

Status: Up

Routing Mode:  Enabled  Disabled

Admin Mode:  Enabled  Disabled

State: Active

Link Speed Data Rate: 10

IP Address Configuration Method:  None  Manual  DHCP

DHCP Client Identifier:

IP Address: 192.168.100.254 (x.x.x.x)

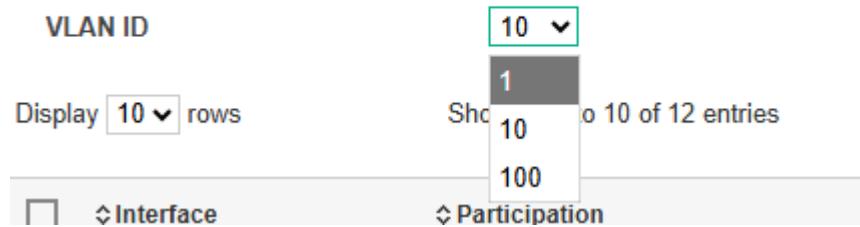
Subnet Mask: 255.255.255.0 (x.x.x.x)

MAC Address: 54:80:28:CB:BF:DE

IP MTU: 1500 (68 to 9198)

Voici la configurations des vlans 10 et 100

# VLAN Port Membership



10

1

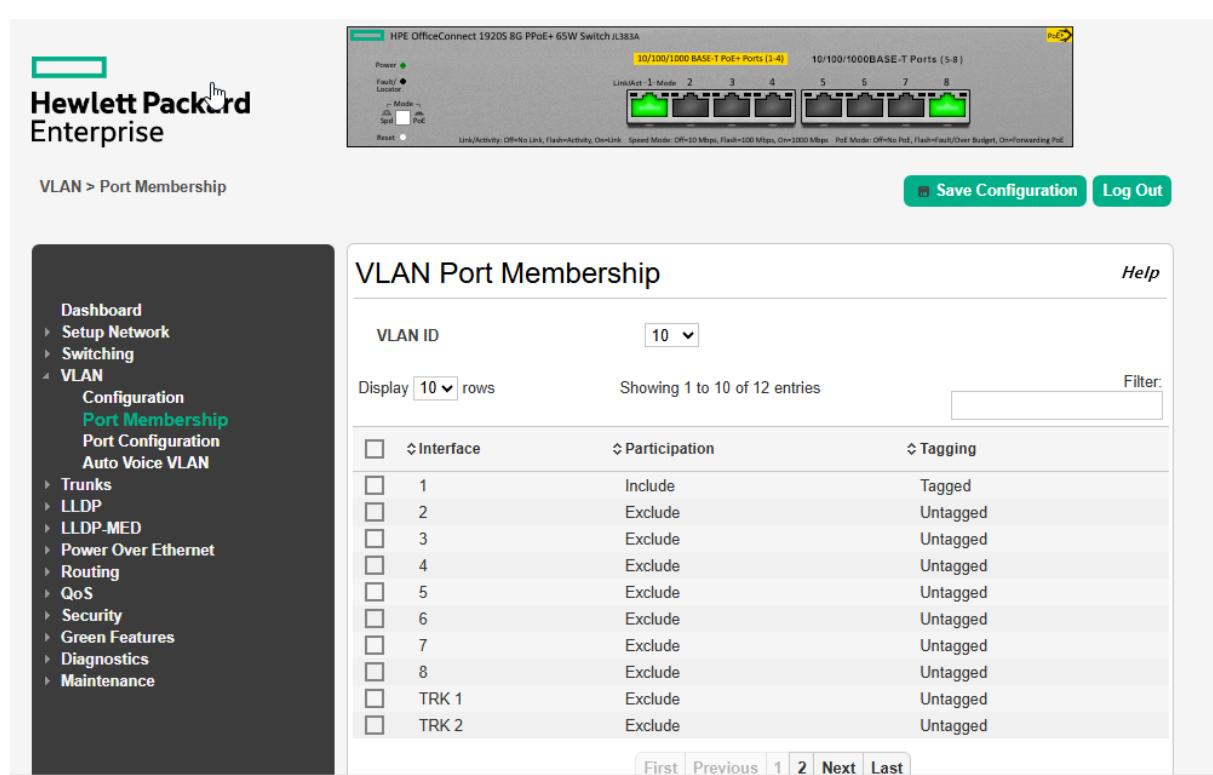
10

100

Interface

Participation

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



Interface	Participation	Tagging
1	Include	Tagged
2	Exclude	Untagged
3	Exclude	Untagged
4	Exclude	Untagged
5	Exclude	Untagged
6	Exclude	Untagged
7	Exclude	Untagged
8	Exclude	Untagged
TRK 1	Exclude	Untagged
TRK 2	Exclude	Untagged

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 a web-based network management interface for an 'Enterprise' device. The URL in the address bar is 192.168.1.1/htdocs/pages/main/main.lsp. The page title is 'Enterprise'. The top navigation bar includes links for 'Split IPMC', 'Reset', 'Link/Activity: Off=No Link, Flash=Activity, On=Link', 'Speed Mode: Off=10 Mbps, Flash=100 Mbps, On=1000 Mbps', and 'Port Mode: Off=No Port, Flash=Faulty/Over Budget, On=Forwarding Port'. On the right side of the top bar are icons for 'A', 'Star', 'User', and 'More'. Below the top bar, there are buttons for 'Save Configuration' and 'Log Out'. The main content area has tabs for 'Global', 'VLAN/Interface Configuration', and 'Statistics'. The 'Global' tab is selected, showing the 'DHCP Relay Global Configuration' page. The page title is 'DHCP Relay Global Configuration' with a 'Help' link. The configuration table has columns for 'UDP Destination Port', 'Server Address', and 'Hit Count'. A single entry is listed: UDP Destination Port 67, Server Address 192.168.100.2, and Hit Count 11. Below the table are buttons for 'First', 'Previous', '1', 'Next', and 'Last'. At the bottom of the page are buttons for 'Apply', 'Refresh', 'Add', 'Remove', and 'Cancel'. A copyright notice at the bottom states 'Copyright © 2010-2017 Hewlett Packard Enterprise Development LP.' On the left side, there is a dark sidebar with a navigation menu. The 'Routing' section is expanded, showing 'Configuration', 'IPv4 Routing', 'DHCP Relay' (which is highlighted in blue), and 'ARP Table'. Other sections include 'Dashboard', 'Setup Network', 'Switching', 'VLAN', 'Trunks', 'LLDP', 'LLDP-MED', 'Power Over Ethernet', 'QoS', 'Security', 'Green Features', 'Diagnostics', and 'Maintenance'.

*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.*