

“config Routeur”



Hewlett Packard Enterprise

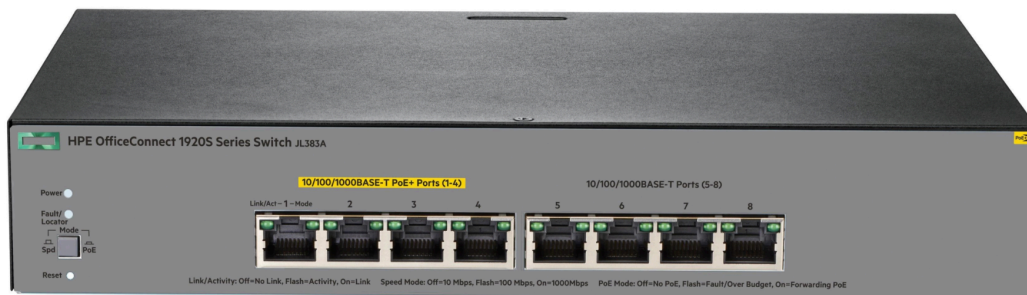
2015-PRESENT

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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

HPE OfficeConnect 1920S 8G PPoE+ 65W Switch JL383A

Power: On, Fault/Locator: Off, Mode: On, J1939: Off, PoE: On

10/100/1000 BASE-T PoE+ Ports (1-4): 10/100/1000BASE-T Ports (5-8)

Link/Act: 1-Made 2 3 4 5 6 7 8

Link/Activity: Off/No Link, Flash/Activity: On/Link Speed Mode: Off=10 Mbps, Flash=100 Mbps, On=1000 Mbps Port Mode: Off/No Port, Flash/Fault/Over Budget, On/Forwarding Port

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:

	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 checked="" 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

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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

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

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: ☐

Enterprise

Routing > Configuration > VLAN/Interface Configuration

Save Configuration Log Out

Status Global **VLAN/Interface Configuration** Statistics

Routing IP Interface Configuration

Dashboard

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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


VLAN ID 10 ▼

Display 10 ▼ rows

Showing 1 to 10 of 12 entries

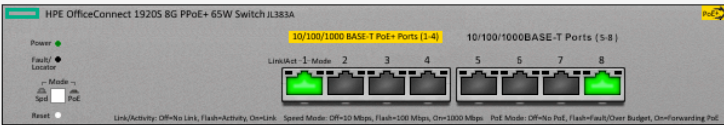
<input type="checkbox"/> Interface	Participation
1	
10	
100	

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



VLAN > Port Membership

- Dashboard
- Setup Network
 - Switching
 - VLAN
 - Configuration
 - Port Membership
 - Port Configuration
 - Auto Voice VLAN
- Trunks
- LLDP
- LLDP-MED
- Power Over Ethernet
- Routing
- QoS
- Security
- Green Features
- Diagnostics
- Maintenance



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

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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.

Enterprise

Routing > DHCP Relay > Global

Save Configuration Log Out

Global VLAN/Interface Configuration Statistics

DHCP Relay Global Configuration Help

Admin Mode ☒ Enabled ☐ Disabled

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

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

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Apply Refresh Add Remove Cancel

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*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.*