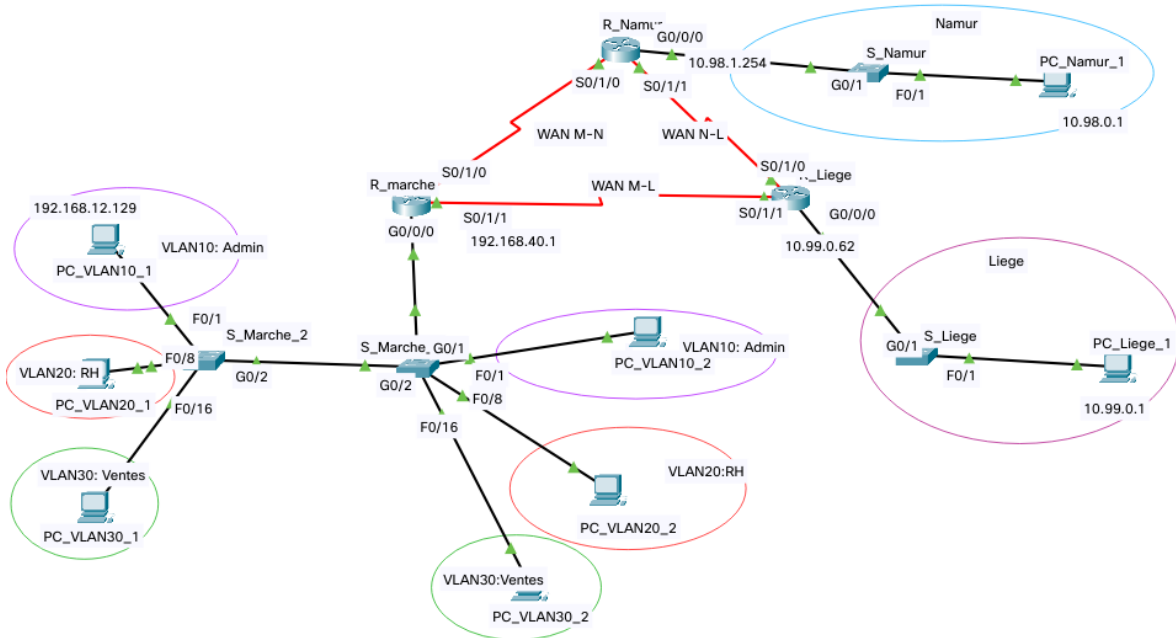


# Labo n°6 : Examen Blanc

-> Morgan Valentin

## Schéma du labo :



## Table d'adressage

NAMUR			
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Host	Network	IP range	Broadcast
400	10.98.0.0	10.98.0.1 => 10.98.1.254	10.98.1.255

LIEGE			
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Host	Network	IP range	Broadcast
60	10.99.0.0	10.99.0.1 => 10.99.0.62	10.99.0.63

MARCHE			
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Host	Network	IP range	Broadcast
120 (VLAN 20)	192.168.12.0	192.168.12.1 => 192.168.12.126	192.168.12.127
28 (VLAN10)	192.168.12.128	192.168.12.129 => 192.168.12.158	192.168.12.159

Host	Network	IP range	Broadcast
10 (VLAN 30)	192.168.30.0	192.168.30.1 => 192.168.30.14	192.168.30.15

WAN			
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Host	Network	IP range	Broadcast
2 (WAN M-N)	192.168.40.0	192.168.40.1 => 192.168.40.2	192.168.40.3
2 (WAN N-L)	192.168.40.4	192.168.40.5 => 192.168.40.6	192.168.40.7
2 (WAN M-L)	192.168.40.8	192.168.40.9 => 192.168.40.10	192.168.40.11

## Répartitions des adresses IP

Host/Device	Interface	IP	Mask
R_Namur	g0/0/	10.98.1.254	255.255.254.0 (/23)
R_Namur => R_Marche	s0/1/0	192.168.40.2	255.255.255.252 (/30)
R_Namur => R_Liege	s0/1/1	192.168.40.5	255.255.255.252 (/30)

Host/Device	Interface	IP	Mask
R_Liege	g0/0/0	10.99.0.62	255.255.255.192 (/26)
R_Liege => R_Namur	s0/1/0	192.168.40.6	255.255.255.252 (/30)
R_Liege => R_Marche	s0/1/1	192.168.40.10	255.255.255.252 (/30)

Host/Device	Interface	IP	Mask
R_Marche => R_Namur	s0/1/0	192.168.40.1	255.255.255.252 (/30)
R_Marche => R_Liege	s0/1/1	192.168.40.9	255.255.255.252 (/30)
R_Marche (VLAN 10)	g0/0/0.10	192.168.12.158	255.255.255.224 (/26)
R_Marche (VLAN 20)	g0/0/0.20	192.168.12.126	255.255.255.128 (/25)
R_Marche (VLAN 30)	g0/0/0.30	192.168.30.14	255.255.255.240 (/28)

## R\_Namur

```
hostname R_Namur
```

```
no ip domain-lookup
```

### int g0/0/0

```
description vers Namur
```

```
ip add 10.98.1.254 255.255.254.0
```

```
no shut
```

### int s0/1/0

```
description vers R_marche
```

```
ip add 192.168.40.2 255.255.255.252
```

```
no shut
```

### int s0/1/1

```
description vers R_Liege
```

```
ip add 192.168.40.5 255.255.255.252
```

```
no shut
```

### router rip

```
version 2
```

```
passive-interface g0/0/0
```

```
network 10.98.0.0
```

```
network 192.168.40.0
```

```
network 192.168.40.4
```

```
no auto-summary
```

## R\_Liege

```
hostname R_Liege
```

```
no ip domain-lookup
```

### int g0/0/0

```
description vers Liege
```

```
ip add 10.99.0.62 255.255.255.192
```

```
no shut
```

### int s0/1/0

```
description vers R_Namur
```

```
ip add 192.168.40.6 255.255.255.252
```

```
no shut
```

### int s0/1/1

```
description vers R_Marche
```

```
ip add 192.168.40.10 255.255.255.252
```

```
no shut
```

### router rip

```
version 2
```

```
passive-interface g0/0/0
```

```
network 10.99.0.0
```

```
network 192.168.40.4
```

```
network 192.168.40.8
```

```
no auto-summary
```

## R\_Marche

```
hostname R_Marche
```

```
no ip domain-lookup
```

### int g0/0/0

```
description vers Marche
```

```
no shut
```

### int g0/0/0.10

```
encapsulation dot1Q 10
```

```
ip address 192.168.12.158 255.255.255.224
```

### int g0/0/0.20

```
encapsulation dot1Q 20
```

```
ip address 192.168.12.126 255.255.255.128
```

### int g0/0/0.30

```
encapsulation dot1Q 30
```

```
ip address 192.168.30.14 255.255.255.240
```

### int s0/1/0

```
description vers R_Namur
```

```
ip add 192.168.40.1 255.255.255.252
```

```
no shut
```

### int s0/1/1

```
description vers R_iege
```

```
ip add 192.168.40.9 255.255.255.252
```

```
no shut
```

### router rip

```
version 2
```

```
passive-interface g0/0/0
```

```
network 192.168.12.0
```

```
network 192.168.40.0
```

```
network 192.168.40.8
```

```
no auto-summary
```

## S\_Marche\_1

```
hostname S_Marche_1
```

### int range g0/1 - 2

```
switchport mode trunk
```

```
no shut
```

### int range f0/1 - 7

```
switchport mode access
```

```
switchport access vlan 10
```

```
no shut
```

### int range f0/8 - 15

```
switchport mode access
```

```
switchport access vlan 20
```

```
no shut
```

### int range f0/16 - 24

```
switchport mode access
```

```
switchport access vlan 30
```

```
no shut
```

## S\_Marche\_2

```
hostname S_Marche_2
```

### int g0/2

```
switchport mode trunk
```

```
no shut
```

### int range f0/1 - 7

```
switchport mode access
```

```
switchport access vlan 10
```

```
no shut
```

### int range f0/8 - 15

```
switchport mode access
```

```
switchport access vlan 20
```

```
no shut
```

### int range f0/16 - 24

```
switchport mode access
```

```
switchport access vlan 30
```

```
no shut
```

## S\_Namur

```
hostname S_Namur
enable secret class
banner motd %hello%
no ip domain-lookup

ip domain-name henallux.be
username ssh secret ssh
crypto key generate rsa general-keys modulus 1024
ip ssh version 2
ip ssh authentication-retries 2
ip ssh time-out 20

int vlan1
description vers PC1
ip add 10.98.0.2 255.255.254.0
no shut

int f0/1
description PC_Namur_1

int g0/1
description R_Namur

int range f0/2 - 24
shut

int g0/2
shut

line vty 0 4
password cisco
transport input ssh
login local

line console 0
password cisco

service password-encryption

ip default-gateway 10.98.1.254
```



<b>PC_Namur_1</b>	
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<b>ipv4 address</b>	<b>10.98.0.1</b>
<b>Subnet Mask</b>	255.255.254.0
<b>Default Gateway</b>	10.98.1.254

<b>PC_Liege_1</b>	
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<b>ipv4 address</b>	<b>10.99.0.1</b>
<b>Subnet Mask</b>	255.255.255.192
<b>Default Gateway</b>	10.99.0.62

<b>PC_VLAN10_1</b>	
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<b>ipv4 address</b>	<b>192.168.12.129</b>
<b>Subnet Mask</b>	255.255.255.224
<b>Default Gateway</b>	192.168.12.158

<b>PC_VLAN10_2</b>	
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<b>ipv4 address</b>	<b>192.168.12.130</b>
<b>Subnet Mask</b>	255.255.255.224
<b>Default Gateway</b>	192.168.12.158

<b>PC_VLAN20_1</b>	
--------------------	--

<b>ipv4 address</b>	<b>192.168.12.1</b>
<b>Subnet Mask</b>	255.255.255.128
<b>Default Gateway</b>	192.168.12.126

<b>PC_VLAN20_2</b>	
--------------------	--

<b>ipv4 address</b>	<b>192.168.12.2</b>
<b>Subnet Mask</b>	255.255.255.128
<b>Default Gateway</b>	192.168.12.126

<b>PC_VLAN30_1</b>
--------------------

<b>ipv4 address</b>	<b>192.168.30.1</b>
<b>Subnet Mask</b>	255.255.255.240
<b>Default Gateway</b>	192.168.30.14

<b>PC_VLAN30_2</b>
--------------------

<b>ipv4 address</b>	<b>192.168.30.2</b>
<b>Subnet Mask</b>	255.255.255.240
<b>Default Gateway</b>	192.168.30.14