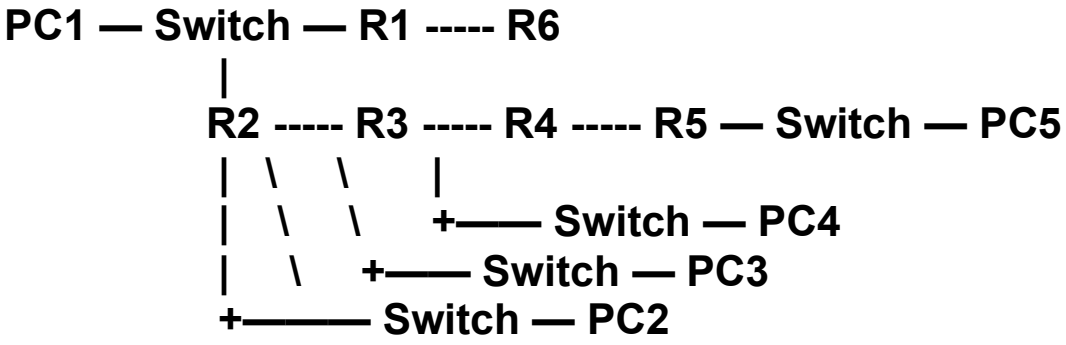
Networking Academy

Voici la configuration complète des routeurs Cisco (7200) pour ta topologie avec routage statique uniquement, adaptée à GNS3.

🗺️ Rappel de la topologie



📐 Adresses IP proposées

Lien	Interface R1	Interface R2	Réseau
R1 ↔ R2	S1/1 - 10.0.12.1	S1/1 - 10.0.12.2	10.0.12.0/30
R1 ↔ R6	S1/0 - 10.0.16.1	S1/0 - 10.0.16.6	10.0.16.0/30
R2 ↔ R3	S1/2 - 10.0.23.2	S1/2 - 10.0.23.3	10.0.23.0/30
R2 ↔ R4	S1/4 - 10.0.24.2	S1/4 - 10.0.24.4	10.0.24.0/30
R2 ↔ R5	S1/3 - 10.0.25.2	S1/3 - 10.0.25.5	10.0.25.0/30
R2 ↔ R6	S2/0 - 10.0.26.2	S2/0 - 10.0.26.6	10.0.26.0/30
R3 ↔ R4	S1/1 - 10.0.34.3	S1/1 - 10.0.34.4	10.0.34.0/30
R4 ↔ R5	S1/0 - 10.0.45.4	S1/0 - 10.0.45.5	10.0.45.0/30

Routeur LAN IP (vers PC via switch)

R1 Fa0/0 - 192.168.1.1/24
R3 Fa0/0 - 192.168.3.1/24
R4 Fa0/0 - 192.168.4.1/24
R5 Fa0/0 - 192.168.5.1/24
R6 Fa0/0 - 192.168.6.1/24

Configuration par routeur

Routeur R1

```
conf t
hostname R1
int s1/0
ip address 10.0.16.1 255.255.255.252
no shutdown
int s1/1
ip address 10.0.12.1 255.255.255.252
no shutdown
int fa0/0
ip address 192.168.1.1 255.255.255.0
no shutdown
exit

ip route 0.0.0.0 0.0.0.0 10.0.12.2
```

🔧 Routeur R2

```
conf t
hostname R2
int s1/1
ip address 10.0.12.2 255.255.255.252
no shutdown
int s1/2
ip address 10.0.23.2 255.255.255.252
no shutdown
int s1/3
ip address 10.0.25.2 255.255.255.252
no shutdown
int s1/4
ip address 10.0.24.2 255.255.255.252
no shutdown
int s2/0
ip address 10.0.26.2 255.255.255.252
no shutdown
exit

ip route 192.168.1.0 255.255.255.0 10.0.12.1
ip route 192.168.3.0 255.255.255.0 10.0.23.3
ip route 192.168.4.0 255.255.255.0 10.0.24.4
ip route 192.168.5.0 255.255.255.0 10.0.25.5
ip route 192.168.6.0 255.255.255.0 10.0.26.6
```

🔧 Routeur R3

```
conf t
hostname R3
int s1/2
```

```
ip address 10.0.23.3 255.255.255.252
no shutdown
int s1/1
ip address 10.0.34.3 255.255.255.252
no shutdown
int fa0/0
ip address 192.168.3.1 255.255.255.0
no shutdown
exit

ip route 0.0.0.0 0.0.0.0 10.0.23.2
```

🔧 Routeur R4

```
conf t
hostname R4
int s1/1
ip address 10.0.34.4 255.255.255.252
no shutdown
int s1/0
ip address 10.0.45.4 255.255.255.252
no shutdown
int s1/4
ip address 10.0.24.4 255.255.255.252
no shutdown
int fa0/0
ip address 192.168.4.1 255.255.255.0
no shutdown
exit

ip route 0.0.0.0 0.0.0.0 10.0.24.2
```

🔧 Routeur R5

```
conf t
hostname R5
int s1/0
ip address 10.0.45.5 255.255.255.252
no shutdown
int s1/3
ip address 10.0.25.5 255.255.255.252
no shutdown
int fa0/0
ip address 192.168.5.1 255.255.255.0
no shutdown
exit

ip route 0.0.0.0 0.0.0.0 10.0.25.2
```

🔧 Routeur R6

```
conf t
hostname R6
int s1/0
ip address 10.0.16.6 255.255.255.252
no shutdown
int s2/0
ip address 10.0.26.6 255.255.255.252
no shutdown
int fa0/0
ip address 192.168.6.1 255.255.255.0
```

no shutdown
exit

ip route 0.0.0.0 0.0.0.0 10.0.26.2

✅ Vérification de la connectivité

Une fois les configurations appliquées :

1. Ping entre les routeurs :

R1# ping 192.168.6.1

2. Ping depuis les PC ParrotOS (ex: PC1 vers PC6) :

ping 192.168.6.1

Souhaites-tu aussi :

Le même schéma mais avec routage OSPF ?

Le fichier .net pour GNS3 ?

Un script pour automatiser ces configs via SSH ?

Je peux aussi t’envoyer toutes ces configurations dans un .zip.