


# Architecture de Réseaux

## Travaux Pratiques

AfNOG 2009




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Africa Network Operators Group

## TP CONCEPTION DE RESEAU

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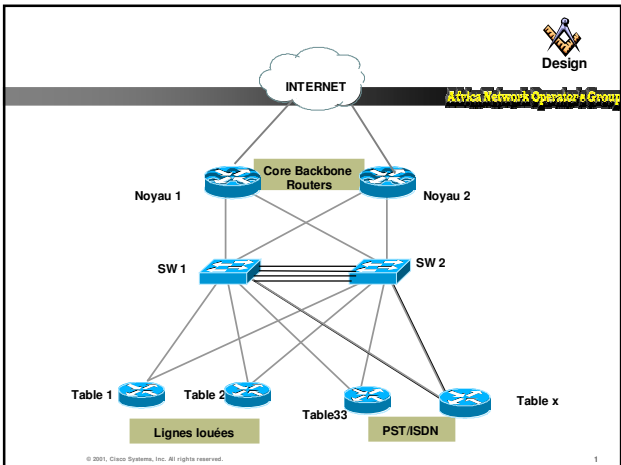
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- Connectez les interfaces de votre routeur sur chacun des switch (e0/0 sur sw1 et e0/1 vers sw2)
- Adresses a utiliser pour les interfaces Ethernet  
Sw1: 196.200.221.0/28 (3-14)  
Sw2: 196.200.221.16/28(19-30)
- Configurez le loopback 196.200.221.24x/32
- Activez OSPF sur votre routeur avec authentification
- Injectez les préfixes de loopback et de vos connexions Ethernet dans OSPF
- Les routeurs du Noyau injectent du default
- Quels sont les préfixes disponibles dans OSPF?
- Faire des traceroute vers les loopback et vers Internet a partir de vos routeurs
- Simulez des pannes de switch et de routeur

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## TP HSRP

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## Agenda



- HSRP- 1 groupe
- HSRP- 2 groupes
- Tracking interface
- Pre-empt delay

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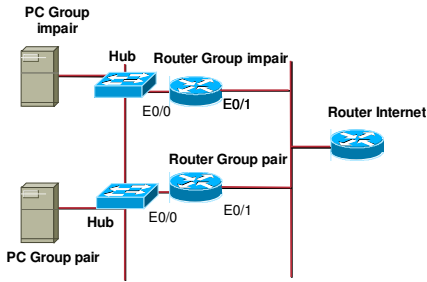
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# Topologie Physique



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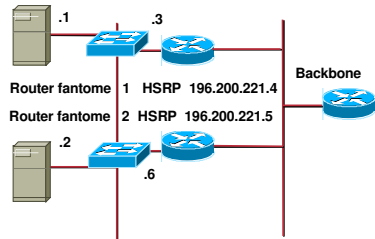
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# Adressage IP



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Groupe impair : 196.200.221.0/26



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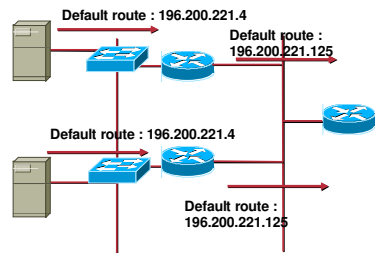
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# Routage



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# HSRP – 1 Router Group

Technologie

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- Router Groupe impair : actif
- Router Groupe pair : stanby

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# HSRP – 2 Router Group

Technologie

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# Routeage

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Default route : 84.201.64.4

Default route : 84.201.64.5

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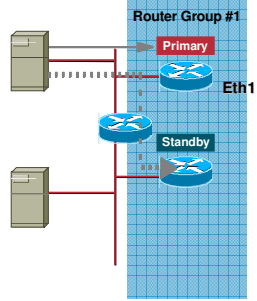
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# HSRP – Tracking interface



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- Tracking interface Eth0/1
- Debrancher Eth0/1



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# HSRP - configuration



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```
Router1:  
interface ethernet 0/0  
description LAN serveur  
ip address 196.200.221.3 255.255.255.192  
standby 10 ip 196.200.221.4  
standby 10 track ethernet0/1  
standby 11 priority 150  
standby 11 preempt  
standby 11 ip 196.200.221.5  
standby 11 track ethernet0/1
```

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# HSRP - configuration



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```
Router2:  
interface ethernet 0/0  
description LAN serveur  
ip address 196.200.221.6 255.255.255.192  
standby 10 priority 150  
standby 10 preempt  
standby 10 ip 196.200.221.4  
standby 10 track ethernet0/1  
standby 11 ip 196.200.221.5  
standby 11 track ethernet0/1
```

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