

A faint map of the African continent is centered in the background of the slide.

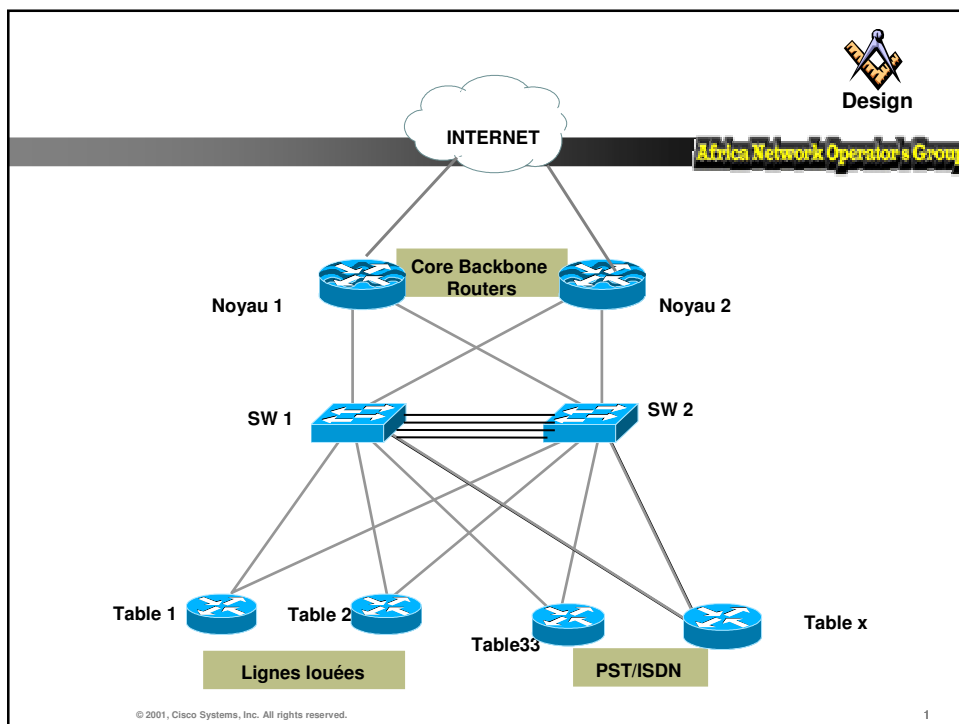
Architecture de Réseaux

Travaux Pratiques

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Africa Network Operators Group

TP CONCEPTION DE RESEAU



- Africa Network Operator's Group
- 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: 84.201.92.0/25 (3-126)
 - Sw2: 84.201.92.128/25(131-254)
 - Configurez le loopback 84.210.94.x/32
 - Activer 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

Agenda



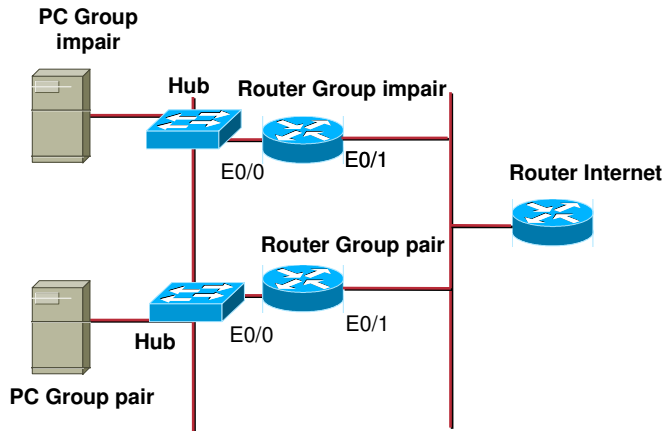
Technologie

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

Topologie Physique



Africa Network Operator's Group



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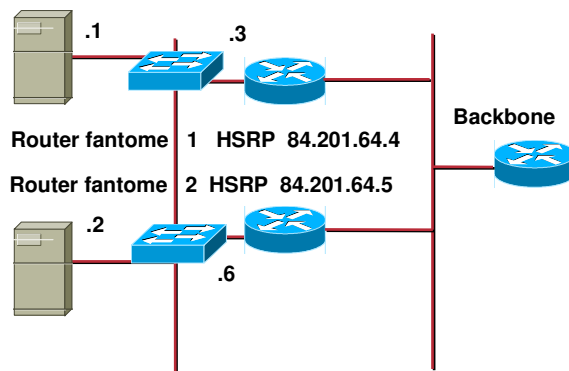
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Adressage IP



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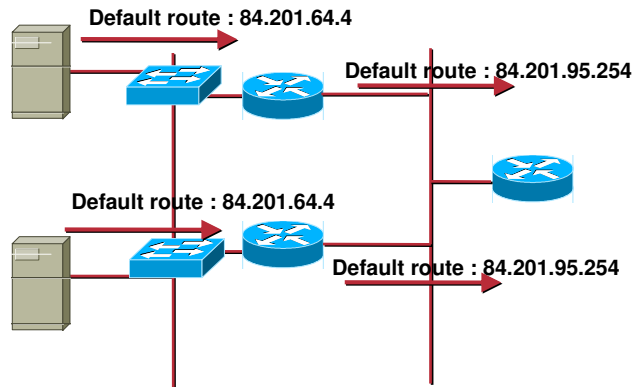
Groupe impair : 84.201.64.0/23



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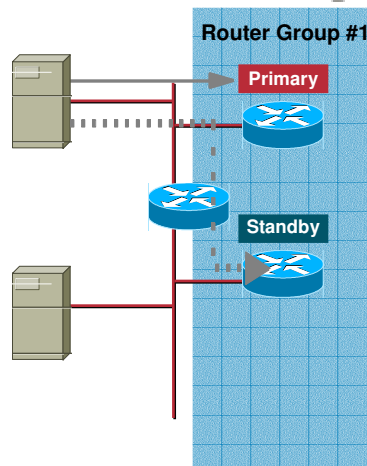
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Routage

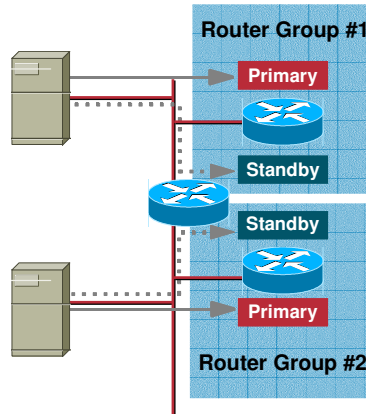


HSRP – 1 Router Group

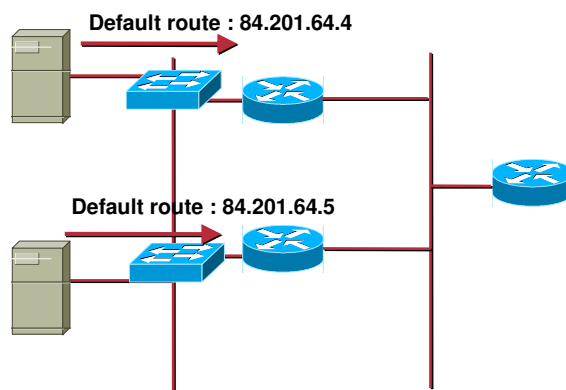
- Router Groupe impair : actif
- Router Groupe pair : stanby



HSRP – 2 Router Group



Routage



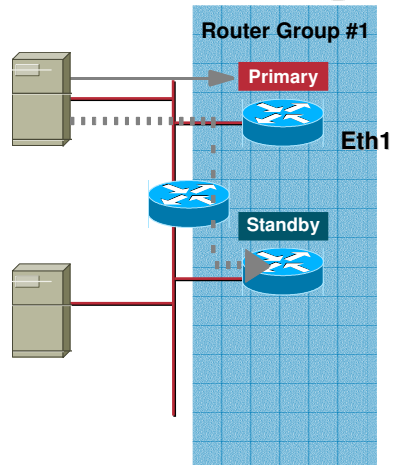
HSRP – Tracking interface



Technologie

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- Tracking interface Eth0/1
- Debrancher Eth0/1



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HSRP - configuration



Technologie

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```
Router1:
interface ethernet 0/0
description LAN serveur
ip address 84.201.64.3 255.255.240.0
standby 10 ip 84.201.64.4
standby 10 track ethernet0/1
standby 11 priority 150
standby 11 preempt
standby 11 ip 84.201.64.5
standby 11 track ethernet0/1
```

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HSRP - configuration



Technologie

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```
Router2:  
interface ethernet 0/0  
description LAN serveur  
ip address 84.201.64.6 255.255.240.0  
standby 10 priority 150  
standby 10 preempt  
standby 10 ip 84.201.64.4  
standby 10 track ethernet0/1  
standby 11 ip 84.201.64.5  
standby 11 track ethernet0/1
```