Cisco Aantekeningen

maandag 16 januari 2023 08:5

Trunk Commands (Routers & Switches Meerdere poorten in 1 keer int range gig (int poort) - gig (int poort) no shut (poorten opengooien)

! interface GigabitEthernet1/0/2 switchport trunk native vlan 99 switchport mode trunk

! interface GigabitEthernet1/0/4 switchport trunk native vlan 99 switchport mode trunk

interface PastRthemet0/2 description whan 10 switehpart access whan 10 switehpart mode access

interface FastEthernet0/3 description vlan 10 switchport access vlan 10 switchport mode access

<mark>lan (</mark>nummer) ame vlan (nummer)

<mark>「P version (</mark>nummer) <mark>「P domain</mark> (naam domain) <mark>「P mode</mark> (server of client)

Hulp commands (?)
VTP ?
VTP mode ?

Hulp commands (?)
spanning-tree ?
spanning-tree vian ?
spanning-tree vian 1-100 ?
spanning-tree vian 1-100 root ?

Access Point Instellingen (Op elke access point) Poorten = aan Bandwidth/Duplex = Auto

SSID = (naam) Authentication/Beveiliging instellen Sleutel/Password = (wachtwoord instellen)

Laptop: netwerkkaart module toevoegen (module: WPC300N)
Desktoptabblad: Op PC Wireless verbinding maken met juiste VI



Printer IP instellingen
Poorten = aan
Bandwidth/Duplex = Auto

Alle printers: IP adressen geven
IP-adres/Subnet mask/Default gateway/DNS Server IP

Hulp commands (?) ip address ?

ille VLANs aanmaken nterface vlan (nummer) o address <mark>(ip adres & subnet mask)</mark> o helper-address (DNS server IP)

(Voorbeeld)
interface Vlan10
mmc-address 00e0.b00e.e301
ip address 172.16.10.1 255.255.255.0
ip helper-address 11.11.11.14

! interface Vlan20 mac-address 00e0.b08e.e302 ip address 172.16.20.1 255.255.255.0 ip helper-address 11.11.11.14

interface Vlan30 mac-address 00e0.b00e.e303 ip address 172.16.30.1 256.255.255.0 ip helper-address 11.11.11.14 ! interface Vlan40 mac-address 00e0.b08e.e304 ip address 172.16.40.1 255.255.255.0 ip helper-address 11.11.11.14

! interface Vlan50 mac-address 00e0.b08e.e305 ip address 172.16.50.1 255.255.255.0 ip helper-address 11.11.11.14

| interface Vlan99 | mac-address 00e0.b00e.e306 | ip address 172.16.99.1 255.255.255.0 | ip helper-address 11.11.11.14

DHCP server netwerk instellen op Multi La I<mark>P adressen uitsluiten</mark> ip dhcp excluded-address <mark>(ip adres range)</mark>

[Voorbeels]
19 they excluded-address 172.16.95.0 172.16.95.0 ip they excluded-address 172.16.95.0 172.16.95.0 ip they excluded-address 172.16.10.0 172.16.10.50 ip they excluded-address 172.16.20.0 172.16.10.50 ip they excluded-address 172.16.20.0 172.16.20.50 ip they excluded-address 172.16.20.0 172.16.20.0 ip they excluded-address 172.16.40.0 ip they excluded address 172.16.40.0 ip they excluded address 172.16.00 ip they excluded address 172.16.00

DHCP pool aanmaken (Commands)
Op alle netwerken
ip dhcp pool (naam pool)
default-router (default gateway IP)
network (ip adres netwerk & subnet mask)
dns-server (DNS server IP)

Hulp commands (?)
ip dhcp ?
ip dhcp pool ?

uters vervangen n oude router belangrijke instellingen kopieren en plaatsen in nieuw router, oude router verwijderen de kabels venvijderen, interface kabelpoorten onthouden, nieuwe router plaatsen, nieuwe kabels zetten nieuw router glasvezeikabel plaatsen (module: GLC-GE-100-FX/GigabitEthernet)

en (module: PT-HOST-NM-1FFE/FastEthernet)

-00

nden (glasvezelkabel, Copper Cross Over kabel)

IP interfaces checken show ip interface brief

Vebserver IP i P adres ubnet Mask Default Gatew DNS Server

P Configuration O DHCP Static IPv4 Address 11.11.11.14 Subnet Mask 255.255.255.0 Default Gateway 11.11.11.1 11.11.11.14 DNS Server

Voorbeeld ip coute 172.16.10.0 256.256.255.0 10.1.1.2 ip route 172.16.20.0 256.255.255.0 10.1.1.2 ip route 172.16.20.0 256.255.0 10.1.1.2 ip route 172.16.40.0 256.256.255.0 10.1.1.2 ip route 172.16.40.0 256.256.255.0 10.1.1.2 ip route 172.16.50.0 256.255.255.0 10.1.1.2 ip route 172.16.50.0 256.255.255.0 10.1.1.2

SPF op Router (Commands) outer ospf (nummer) outer-id (nummer) etwork (ip adres/wildcard m assive-interface (interface) efault-information originate

|Voorbeels|
Touter onpf 1
Touter 1d 1.1.1.1
log-adjacency-changes
passive-interface GigabitEthernet0/0/0
network 11.11.11.0 0.0.0.355 area 0
network 12.11.12.0 0.0.0.355 area 0
default-information originate

Default routes
ip route 0.0.0.0 0.0.0.0 lo 1

Classless IP route

(Voorbeeld) ip classless ip route 0.0.0.0.0 0.0.0.0 10.1.1.1

P routes checken: do show ip route/c

Access lists (Networkverker Develliging.)

Wookhedid

access-list 150 deny ip 172.16.50.0 0.0.0.255 172.16.10.0 0.0.0.255

access-list 150 deny ip 172.16.50.0 0.0.0.255 172.16.20.0 0.0.0.255

access-list 150 deny ip 172.16.50.0 0.0.0.255 172.16.30.0 0.0.0.255

access-list 150 deny ip 172.16.50.0 0.0.0.255 172.16.30.0 0.0.255

access-list 150 deny ip 172.16.50.0 0.0.0.255 172.16.00.0 0.0.255

access-list 150 deny ip 172.16.50.0 0.0.0.255 172.160.0.0 0.0.0.255