Laborbericht - NVS - 5CHIF

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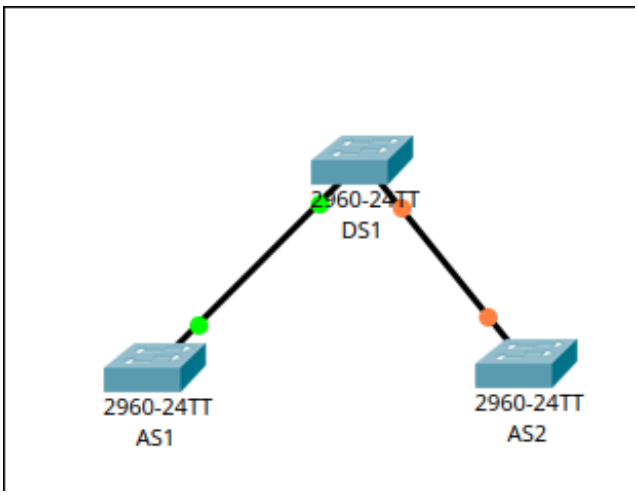
Ziel: Erfüllung der Aufgabenstellung

Packet Tracer Übung 3.1

Switches physisch verbinden



DTP Configuieren

```
int f0/7
switchport mode dynamic desirable
int f0/09
switchport mode dynamic desirable
```

```
DS1>en
DS1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
DS1(config)#
%LINK-5-CHANGED: Interface FastEthernet0/9, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/9, changed state to up

DS1(config)#int f0/7
DS1(config-if)#switchport mode dynamic desirable

DS1(config-if)#int f0/09
DS1(config-if)#switchport mode dynamic desirable
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to
down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up


DS1(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/9, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/9, changed state to
down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/9, changed state to up

DS1(config-if)#
```

Die Interfaces sollten nun als trunk configuriert sein, da DTP aktiviert wurde.

```
DS1(config-if)#do show interfaces trunk
Port        Mode         Encapsulation  Status        Native vlan
Fa0/7       desirable    n-802.1q       trunking      1
Fa0/9       desirable    n-802.1q       trunking      1

Port        Vlans allowed on trunk
Fa0/7       1-1005
Fa0/9       1-1005

Port        Vlans allowed and active in management domain
Fa0/7       1
Fa0/9       1

Port        Vlans in spanning tree forwarding state and not pruned
Fa0/7       1
Fa0/9       1
```

Dertrunking mode ist desirable

VTP konfiguriern

DS1

```
vtp domain CCNA-LAB
vtp password cisco12345
vtp mode server

vlan 10
vlan 20
vlan 30
vlan 40
vlan 50
```

```
DS1(config-vlan)#name 10
DS1(config-vlan)#vlan 10
DS1(config-vlan)#name 10
DS1(config-vlan)#
DS1(config-vlan)#vlan 20
DS1(config-vlan)#name 20
DS1(config-vlan)#
DS1(config-vlan)#vlan 30
DS1(config-vlan)#name 30
DS1(config-vlan)#
DS1(config-vlan)#vlan 40
DS1(config-vlan)#name 40
DS1(config-vlan)#
DS1(config-vlan)#vlan 50
DS1(config-vlan)#name 50
%LINK-5-CHANGED: Interface Vlan20, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan20, changed state to up

%LINK-5-CHANGED: Interface Vlan30, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan30, changed state to up

%LINK-5-CHANGED: Interface Vlan40, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan40, changed state to up

%LINK-5-CHANGED: Interface Vlan50, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan50, changed state to up
```

AS1 & AS2

```
vtp domain CCNA-LAB
vtp password cisco12345
vtp mode client
```

```
AS1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
AS1(config)#vtp domain CCNA-LAB
Domain name already set to CCNA-LAB.
AS1(config)#vtp password cisco12345
Setting device VLAN database password to cisco12345
AS1(config)#vtp mode client
Setting device to VTP CLIENT mode.
AS1(config)#
```

```
Enter configuration commands, one per line.  End with C
AS2(config)#vtp domain CCNA-LAB
Domain name already set to CCNA-LAB.
AS2(config)#vtp password cisco12345
Setting device VLAN database password to cisco12345
AS2(config)#vtp mode client
Setting device to VTP CLIENT mode.
AS2(config)#
```

Packet Tracer Übung 3.1

VTP Server konfiguriern

```
vtp domain CCNA-PT
vtp mode Server
vtp password 123PT
```

Troubleshooting

```
DS1#show interfaces trunk

DS1#
```

Es sind auf DS1 keine trunk ports konfiguriert

```
int f0/1
switchport mode dynamic desirable

int f0/2
switchport mode dynamic desirable

int f0/3
switchport mode dynamic desirable
```

```
DS1#show vtp status
VTP Version                     : 2
Configuration Revision          : 0
Maximum VLANs supported locally : 255
Number of existing VLANs        : 9
VTP Operating Mode              : Server
VTP Domain Name                 : CCNA-PT
VTP Pruning Mode                : Disabled
VTP V2 Mode                     : Disabled
VTP Traps Generation            : Disabled
MD5 digest                      : 0x1A 0xA0 0xE8 0x9F 0x38 0x4D 0xBD 0x04
Configuration last modified by 0.0.0.0 at 3-1-93 00:01:41
Local updater ID is 0.0.0.0 (no valid interface found)
DS1#show vtp ?
  counters  VTP statistics
  password  VTP password
  status    VTP domain status
DS1#show vtp coun
DS1#show vtp counters
VTP statistics:
Summary advertisements received    : 3
Subset advertisements received     : 1
Request advertisements received    : 3
Summary advertisements transmitted : 7
Subset advertisements transmitted  : 4
Request advertisements transmitted : 0
Number of config revision errors   : 1
Number of config digest errors     : 0
Number of V1 summary errors        : 0
```

Alle 3 VTP Clients sind mit dem Sever verbunden. Es besteht kein VTP problem

http://nvs.schreib.at/NVS/5CHIF_20161212_Schreib/