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# Router

DHCP Pool

|  |  |  |
| --- | --- | --- |
| **Pool MNGT :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 6 |  |
| Current index | IP address ranges |  |
| 192.168.1.201 | 192.168.1.201 - 192.168.1.206 |  |
|  |  |  |
| **Pool MNGT\_VoIP :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 6 |  |
| Current index | IP address range |  |
| 192.168.1.193 | 192.168.1.193 - 192.168.1.198 |  |
|  |  |  |
| **Pool FRONT :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.65 | 192.168.1.65 - 192.168.1.78 |  |
|  |  |  |
| **Pool FRONT\_VoIP :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.81 | 192.168.1.81 - 192.168.1.94 |  |
|  |  |  |
| **Pool BACK :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.33 | 192.168.1.33 - 192.168.1.46 |  |
|  |  |  |
| **Pool BACK\_VoIP :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.49 | 192.168.1.49 - 192.168.1.62 |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Pool NETE :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.161 | 192.168.1.161 - 192.168.1.174 |  |
|  |  |  |
| **Pool NETE\_VoIP :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.177 | 192.168.1.177 - 192.168.1.190 |  |
|  |  |  |
| **Pool TESTER :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.97 | 192.168.1.97 - 192.168.1.110 |  |
|  |  |  |
| **Pool TESTER\_VoIP :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.113 | 192.168.1.113 - 192.168.1.126 |  |
|  |  |  |
| **Pool UX :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.129 | 192.168.1.129 - 192.168.1.142 |  |
|  |  |  |
| **Pool UX\_VoIP :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 14 |  |
| Current index | IP address range |  |
| 192.168.1.145 | 192.168.1.145 - 192.168.1.158 |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Pool PRINTER :** |  |  |
| Utilization mark (high/low) | : 100 / 0 |  |
| Subnet size (first/next) | : 0 / 0 |  |
| Total addresses | : 6 |  |
| Current index | IP address range |  |
| 192.168.1.225 | 192.168.1.225 - 192.168.1.230 |  |
|  |  |  |

DHCP Binding

|  |  |  |  |
| --- | --- | --- | --- |
| IP address | Client-ID/Hardware address/User name | Lease expiration |  |
| 192.168.1.202 | 0172.2423.d5fb.2a | Jan 02 1970 01:44 AM |  |
|  |  |  |  |

IP Route

|  |  |
| --- | --- |
|  | 192.168.1.0/24 is variably subnetted, 15 subnets, 4 masks |
| C | 192.168.1.96/28 is directly connected, FastEthernet0/0.50 |
| C | 192.168.1.112/28 is directly connected, FastEthernet0/0.51 |
| C | 192.168.1.64/28 is directly connected, FastEthernet0/0.20 |
| C | 192.168.1.80/28 is directly connected, FastEthernet0/0.21 |
| C | 192.168.1.32/28 is directly connected, FastEthernet0/0.30 |
| C | 192.168.1.48/28 is directly connected, FastEthernet0/0.31 |
| C | 192.168.1.0/27 is directly connected, FastEthernet0/0.70 |
| C | 192.168.1.232/30 is directly connected, FastEthernet0/0.90 |
| C | 192.168.1.224/29 is directly connected, FastEthernet0/0.80 |
| C | 192.168.1.200/29 is directly connected, FastEthernet0/0.1 |
| C | 192.168.1.192/29 is directly connected, FastEthernet0/0.2 |
| C | 192.168.1.160/28 is directly connected, FastEthernet0/0.40 |
| C | 192.168.1.176/28 is directly connected, FastEthernet0/0.41 |
| C | 192.168.1.128/28 is directly connected, FastEthernet0/0.60 |
| C | 192.168.1.144/28 is directly connected, FastEthernet0/0.61 |

## Config

hostname R5

no ip dhcp use vrf connected

ip dhcp excluded-address 192.168.1.27 192.168.1.29

ip dhcp excluded-address 192.168.1.206

ip dhcp excluded-address 192.168.1.198

ip dhcp excluded-address 192.168.1.78

ip dhcp excluded-address 192.168.1.94

ip dhcp excluded-address 192.168.1.46

ip dhcp excluded-address 192.168.1.62

ip dhcp excluded-address 192.168.1.174

ip dhcp excluded-address 192.168.1.190

ip dhcp excluded-address 192.168.1.110

ip dhcp excluded-address 192.168.1.126

ip dhcp excluded-address 192.168.1.142

ip dhcp excluded-address 192.168.1.158

ip dhcp excluded-address 192.168.1.224

!

ip dhcp pool MNGT

network 192.168.1.200 255.255.255.248

default-router 192.168.1.206

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool MNGT\_VoIP

network 192.168.1.192 255.255.255.248

default-router 192.168.1.198

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool FRONT

network 192.168.1.64 255.255.255.240

default-router 192.168.1.78

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool FRONT\_VoIP

network 192.168.1.80 255.255.255.240

default-router 192.168.1.94

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool BACK

network 192.168.1.32 255.255.255.240

default-router 192.168.1.46

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool BACK\_VoIP

network 192.168.1.48 255.255.255.240

default-router 192.168.1.62

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool NETE

network 192.168.1.160 255.255.255.240

default-router 192.168.1.174

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool NETE\_VoIP

network 192.168.1.176 255.255.255.240

default-router 192.168.1.190

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool TESTER

network 192.168.1.96 255.255.255.240

default-router 192.168.1.110

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool TESTER\_VoIP

network 192.168.1.112 255.255.255.240

default-router 192.168.1.126

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool UX

network 192.168.1.128 255.255.255.240

default-router 192.168.1.142

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool UX\_VoIP

network 192.168.1.144 255.255.255.240

default-router 192.168.1.158

dns-server 8.8.8.8

domain-name GD-IT.local

!

ip dhcp pool PRINTER

network 192.168.1.224 255.255.255.248

default-router 192.168.1.230

dns-server 8.8.8.8

domain-name GD-IT.local

ip domain name GD-IT-SW.hu

username admin password 0 cisco privilege 15

!

interface FastEthernet0/0

no ip address

duplex auto

speed auto

!

interface FastEthernet0/0.1

description MNGT

encapsulation dot1Q 1 native

ip address 192.168.1.206 255.255.255.248

!

interface FastEthernet0/0.2

description MNGT\_VoIP

encapsulation dot1Q 2

ip address 192.168.1.198 255.255.255.248

!

interface FastEthernet0/0.10

description SWITCH

encapsulation dot1Q 10

ip address 192.168.1.222 255.255.255.240

!

interface FastEthernet0/0.20

description FRONT

encapsulation dot1Q 20

ip address 192.168.1.78 255.255.255.240

!

interface FastEthernet0/0.21

description FRONT\_VoIP

encapsulation dot1Q 21

ip address 192.168.1.94 255.255.255.240

!

interface FastEthernet0/0.30

description BACK

encapsulation dot1Q 30

ip address 192.168.1.46 255.255.255.240

!

interface FastEthernet0/0.31

description BACK\_VoIP

encapsulation dot1Q 31

ip address 192.168.1.62 255.255.255.240

!

interface FastEthernet0/0.40

description NETE

encapsulation dot1Q 40

ip address 192.168.1.174 255.255.255.240

!

interface FastEthernet0/0.41

description NETE\_VoIP

encapsulation dot1Q 41

ip address 192.168.1.190 255.255.255.240

!

interface FastEthernet0/0.50

description TESTER

encapsulation dot1Q 50

ip address 192.168.1.110 255.255.255.240

!

interface FastEthernet0/0.51

description TESTER\_VoIP

encapsulation dot1Q 51

ip address 192.168.1.126 255.255.255.240

!

interface FastEthernet0/0.60

description UX

encapsulation dot1Q 60

ip address 192.168.1.142 255.255.255.240

!

interface FastEthernet0/0.61

description UX\_VoIP

encapsulation dot1Q 61

ip address 192.168.1.158 255.255.255.240

!

interface FastEthernet0/0.70

description WiFi

encapsulation dot1Q 70

ip address 192.168.1.30 255.255.255.224

ip helper-address 192.168.1.233

!

interface FastEthernet0/0.80

description PRINTER

encapsulation dot1Q 80

ip address 192.168.1.230 255.255.255.248

!

interface FastEthernet0/0.90

description SERVER

encapsulation dot1Q 90

ip address 192.168.1.234 255.255.255.252

!

interface FastEthernet0/1

ip address 192.168.50.11 255.255.255.0

duplex auto

speed auto

no ip address

shutdown

clock rate 125000

!

interface Vlan1

no ip address

!

ip route 0.0.0.0 0.0.0.0 192.168.50.1

line vty 0 4

login local

transport input ssh

line vty 5 15

login local

transport input ssh

# Switch

## S1

### Etherchannel:

FastEthernet0/22:

Port state = Up Mstr Assoc In-Bndl

Channel group = 1 Mode = Active Gcchange = -

Port-channel = Po1 GC = - Pseudo port-channel = Po1

Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.

A - Device is in active mode. P - Device is in passive mode.

Local information:

LACP port Admin Oper Port Port

Port Flags State Priority Key Key Number State

Fa0/22 SA bndl 32768 0x1 0x1 0x16 0x3D

Partner's information:

LACP port Admin Oper Port Port

Port Flags Priority Dev ID Age key Key Number State

Fa0/22 SA 32768 0026.98d2.7200 12s 0x0 0x1 0x16 0x3D

Age of the port in the current state: 0d:01h:23m:54s

----

FastEthernet0/23:

Port state = Up Mstr Assoc In-Bndl

Channel group = 1 Mode = Active Gcchange = -

Port-channel = Po1 GC = - Pseudo port-channel = Po1

Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.

A - Device is in active mode. P - Device is in passive mode.

Local information:

LACP port Admin Oper Port Port

Port Flags State Priority Key Key Number State

Fa0/23 SA bndl 32768 0x1 0x1 0x17 0x3D

Partner's information:

LACP port Admin Oper Port Port

Port Flags Priority Dev ID Age key Key Number State

Fa0/23 SA 32768 0026.98d2.7200 22s 0x0 0x1 0x18 0x3D

Age of the port in the current state: 0d:01h:23m:57s

----

Port-channel1:Port-channel1 (Primary aggregator)

Age of the Port-channel = 0d:01h:24m:06s

Logical slot/port = 2/1 Number of ports = 2

HotStandBy port = null

Port state = Port-channel Ag-Inuse

Protocol = LACP

Port security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits

------+------+------+------------------+-----------

0 00 Fa0/22 Active 0

0 00 Fa0/23 Active 0

Time since last port bundled: 0d:01h:23m:59s Fa0/22

### Spanningtree:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Blocking | Listening | Learning | Forwarding | STP | Active |  |
| ---------- | ------------ -------- | --------- | -------- | ---------- | --- | ------- |  |
| VLAN0001 | 0 | 0 | 0 | 4 |  | 4 |  |
| VLAN0002 | 0 | 0 | 0 | 4 |  | 4 |  |
| VLAN0010 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0020 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0021 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0030 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0031 | 0 | 0 | 0 | 3 |  | 3 |  |
|  |  |  |  |  |  |  |  |
| Name | Blocking | Listening | Learning | Forwarding | STP | Active |  |
| ---------- | ------------ -------- | --------- | -------- | ---------- | --- | ------- |  |
| VLAN0040 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0041 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0050 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0051 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0060 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0061 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0070 | 0 | 0 | 0 | 4 |  | 4 |  |
| VLAN0080 | 0 | 0 | 0 | 3 |  | 3 |  |
| VLAN0090 | 0 | 0 | 0 | 4 |  | 4 |  |
| ---------- | ------------ -------- | --------- | -------- | ---------- | --- | ------- |  |
| 16 vlans |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| VLAN0001 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 1 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 1 (priority 0 sys | -id-ext 1 | ) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/1 | Desg | FWD 19 128.1 | P2p Edge |  |  |  |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0002 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 2 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 2 (priority 0 sys | -id-ext 2 | ) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/1 | Desg | FWD 19 128.1 | P2p Edge |  |  |  |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0010 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 10 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 10 (priority 0 sys | -id-ext 1 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0020 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 20 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 20 (priority 0 sys | -id-ext 2 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0021 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 21 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 21 (priority 0 sys | -id-ext 2 | 1) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0030 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 30 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 30 (priority 0 sys | -id-ext 3 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0031 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 31 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 31 (priority 0 sys | -id-ext 3 | 1) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0040 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 40 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 40 (priority 0 sys | -id-ext 4 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0041 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 41 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 41 (priority 0 sys | -id-ext 4 | 1) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0050 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 50 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 50 (priority 0 sys | -id-ext 5 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0051 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 51 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 51 (priority 0 sys | -id-ext 5 | 1) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0060 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 60 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 60 (priority 0 sys | -id-ext 6 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0061 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 61 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 61 (priority 0 sys | -id-ext 6 | 1) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0070 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 70 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 70 (priority 0 sys | -id-ext 7 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/19 | Desg | FWD 100 128.19 | Shr Edge |  |  |  |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0080 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 80 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 80 (priority 0 sys | -id-ext 8 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0090 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 90 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | This bridge | is the root |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 90 (priority 0 sys | -id-ext 9 | 0) |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Fa0/18 | Desg | FWD 19 128.18 | P2p Edge |  |  |  |
| Fa0/21 | Desg | FWD 19 128.21 | P2p |  |  |  |
| Fa0/24 | Desg | FWD 19 128.24 | P2p |  |  |  |
| Po1 | Desg | FWD 12 128.56 | P2p |  |  |  |
|  |  |  |  |  |  |  |
| Root H | ello Max Fwd |  |  |  |  |  |
| Vlan |  | Root ID | Cost | Time | Age | Dly Root Port |
| --------- | ------- ----- | --------------- | --------- | ----- | --- | --- ------------ |
| VLAN0001 | 1 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0002 | 2 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0010 | 10 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0020 | 20 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0021 | 21 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0030 | 30 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0031 | 31 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0040 | 40 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0041 | 41 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0050 | 50 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0051 | 51 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0060 | 60 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0061 | 61 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0070 | 70 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0080 | 80 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |
| VLAN0090 | 90 | 0026.98d2.e400 | 0 | 2 | 20 | 15 |

### Status:

Port Name Status Vlan Duplex Speed Type

Fa0/1 MNGT connected 1 a-full a-100 10/100BaseTX

Fa0/2 MNGT notconnect 1 auto auto 10/100BaseTX

Fa0/3 MNGT notconnect 1 auto auto 10/100BaseTX

Fa0/4 MNGT notconnect 1 auto auto 10/100BaseTX

Fa0/5 BACK notconnect 30 auto auto 10/100BaseTX

Fa0/6 BACK notconnect 30 auto auto 10/100BaseTX

Fa0/7 BACK notconnect 30 auto auto 10/100BaseTX

Fa0/8 BACK notconnect 30 auto auto 10/100BaseTX

Fa0/9 BACK notconnect 30 auto auto 10/100BaseTX

Fa0/10 BACK notconnect 30 auto auto 10/100BaseTX

Fa0/11 BACK notconnect 30 auto auto 10/100BaseTX

Fa0/12 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/13 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/14 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/15 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/16 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/17 notconnect 70 auto auto 10/100BaseTX

Fa0/18 SERVER connected 90 a-full a-100 10/100BaseTX

Fa0/19 WIFI connected 70 a-half a-10 10/100BaseTX

Fa0/20 PRINTER notconnect 80 auto auto 10/100BaseTX

Fa0/21 connected trunk a-full a-100 10/100BaseTX

Port Name Status Vlan Duplex Speed Type

Fa0/22 connected trunk a-full a-100 10/100BaseTX

Fa0/23 connected trunk a-full a-100 10/100BaseTX

Fa0/24 connected trunk a-full a-100 10/100BaseTX

Gi0/1 notconnect 1 auto auto 10/100/1000BaseTX

Gi0/2 notconnect 1 auto auto 10/100/1000BaseTX

Po1 connected trunk a-full a-100

### Trunk:

Port Mode Encapsulation Status Native vlan

Fa0/21 on 802.1q trunking 1

Fa0/24 on 802.1q trunking 1

Po1 on 802.1q trunking 1

Port Vlans allowed on trunk

Fa0/21 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80-81,90

Fa0/24 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80-81,90

Po1 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80-81,90

Port Vlans allowed and active in management domain

Fa0/21 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Fa0/24 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Po1 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Port Vlans in spanning tree forwarding state and not pruned

Fa0/21 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Fa0/24 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Po1 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

### Vlan:

|  |  |  |  |
| --- | --- | --- | --- |
| VLAN | Name | Status | Ports |
| ---- | -------------------------------- | --------- | ------------------------------- |
| 1 | default | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 |
|  |  |  | Gi0/1, Gi0/2 |
| 2 | MNGT\_VoIP | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 |
| 10 | SWITCH | active |  |
| 20 | FRONT | active |  |
| 21 | FRONT\_VoIP | active |  |
| 30 | BACK | active | Fa0/5, Fa0/6, Fa0/7, Fa0/8 |
|  |  |  | Fa0/9, Fa0/10, Fa0/11 |
| 31 | BACK\_VoIP | active | Fa0/5, Fa0/6, Fa0/7, Fa0/8 |
|  |  |  | Fa0/9, Fa0/10, Fa0/11 |
| 40 | NETE | active |  |
| 41 | NETE\_VoIP | active |  |
| 50 | TESTER | active | Fa0/12, Fa0/13, Fa0/14, Fa0/15 |
|  |  |  | Fa0/16 |
| 51 | TESTER\_VoIP | active | Fa0/12, Fa0/13, Fa0/14, Fa0/15 |
|  |  |  | Fa0/16 |
| 60 | UX | active |  |
| 61 | UX\_VoIP | active |  |
| 70 | WIFI | active | Fa0/17, Fa0/19 |
| 80 | PRINTER | active | Fa0/20 |
|  |  |  |  |
| VLAN | Name | Status | Ports |
| ---- | -------------------------------- | --------- | ------------------------------- |
| 90 | SERVER | active | Fa0/18 |
| 99 | VLAN0099 | active |  |
| 1002 | fddi-default | act/unsup |  |
| 1003 | token-ring-default | act/unsup |  |
| 1004 | fddinet-default | act/unsup |  |
| 1005 | trnet-default | act/unsup |  |

### Running config:

Current configuration : 6775 bytes

!

version 12.2

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname S1

!

boot-start-marker

boot-end-marker

!

!

username admin password 0 cisco privilege 15

no aaa new-model

system mtu routing 1500

ip subnet-zero

!

ip domain-name GD-IT-SW.hu

!

!

crypto pki trustpoint TP-self-signed-2563957760

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-2563957760

revocation-check none

rsakeypair TP-self-signed-2563957760

!

!

crypto pki certificate chain TP-self-signed-2563957760

certificate self-signed 01

30820246 308201AF A0030201 02020101 300D0609 2A864886 F70D0101 04050030

31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274

69666963 6174652D 32353633 39353737 3630301E 170D3933 30333031 30303030

35345A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649

4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 35363339

35373736 3030819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281

8100B0D1 C7B5DEDF 393FA6E8 9FA0A7D7 7633B84F 39C07AD4 148A3BD9 D52EAB54

E42BBB6C F99A34FF 7CA346E6 FE8B5C77 50220F2F 1B327170 F3ABC79B F8DF737A

3D3C73FB 3E230575 F766DEB8 4AA58187 3B718942 4D7468EC 9BED33CA 4A12D34D

ACF5D9BB C87F048A 6D290FCF EA699852 8399A09A 53C7F834 842D2FD7 A3C38A53

F09F0203 010001A3 6E306C30 0F060355 1D130101 FF040530 030101FF 30190603

551D1104 12301082 0E53312E 47442D49 542D5357 2E687530 1F060355 1D230418

30168014 8B8ECF8C DC30EF2B 236B9C5B 78C0C39A F71A38F6 301D0603 551D0E04

1604148B 8ECF8CDC 30EF2B23 6B9C5B78 C0C39AF7 1A38F630 0D06092A 864886F7

0D010104 05000381 8100240E EB06793E 2102DDE0 62A9367A CB5391F8 0239A582

A7F3C1CC F9743AA4 46390C01 C0160242 D700C8E2 A5F69C54 6BF7DF37 C1946715

35D90C5B 4A36DD04 87F4A96D F2D48B9D 9FD41A44 EF079484 CA32CF4B 5DB8A717

D783A663 00D910F8 5D8A628A 6EF9FB6C CB6C7C6F BAA3A9FF 77EF801A D5EA7317

6275EA80 B0E5E6A0 D534

quit

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

spanning-tree vlan 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80 priority 0

spanning-tree vlan 81,90 priority 0

!

vlan internal allocation policy ascending

!

!

!

interface Port-channel1

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface FastEthernet0/1

description MNGT

switchport mode access

switchport voice vlan 2

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/2

description MNGT

switchport mode access

switchport voice vlan 2

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/3

description MNGT

switchport mode access

switchport voice vlan 2

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/4

description MNGT

switchport mode access

switchport voice vlan 2

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/5

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/6

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/7

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/8

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/9

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/10

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/11

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/12

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/13

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/14

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/15

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/16

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/17

switchport access vlan 70

switchport mode access

!

interface FastEthernet0/18

description SERVER

switchport access vlan 90

switchport mode access

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/19

description WIFI

switchport access vlan 70

switchport mode access

spanning-tree portfast

!

interface FastEthernet0/20

description PRINTER

switchport access vlan 80

switchport mode access

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/21

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface FastEthernet0/22

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol lacp

channel-group 1 mode active

!

interface FastEthernet0/23

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol lacp

channel-group 1 mode active

!

interface FastEthernet0/24

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface GigabitEthernet0/1

!

interface GigabitEthernet0/2

!

interface Vlan1

ip address 192.168.1.209 255.255.255.240

no ip route-cache

!

ip http server

ip http secure-server

!

control-plane

!

!

line con 0

line vty 0 4

login local

transport input ssh

line vty 5 15

login local

transport input ssh

!

end

## S2

### Etherchannel

FastEthernet0/21:

Port state = Up Mstr In-Bndl

Channel group = 2 Mode = Desirable-Sl Gcchange = 0

Port-channel = Po2 GC = 0x00020001 Pseudo port-channel = Po2

Port index = 0 Load = 0x00 Protocol = PAgP

Flags: S - Device is sending Slow hello. C - Device is in Consistent state.

A - Device is in Auto mode. P - Device learns on physical port.

d - PAgP is down.

Timers: H - Hello timer is running. Q - Quit timer is running.

S - Switching timer is running. I - Interface timer is running.

Local information:

Hello Partner PAgP Learning Group

Port Flags State Timers Interval Count Priority Method Ifindex

Fa0/21 SC U6/S7 H 30s 1 128 Any 5002

Partner's information:

Partner Partner Partner Partner Group

Port Name Device ID Port Age Flags Cap.

Fa0/21 S3.GD-IT-SW.hu 0026.98d3.1580 Fa0/22 11s SC 10001

Age of the port in the current state: 0d:01h:32m:05s

----

FastEthernet0/22:

Port state = Up Mstr Assoc In-Bndl

Channel group = 1 Mode = Active Gcchange = -

Port-channel = Po1 GC = - Pseudo port-channel = Po1

Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.

A - Device is in active mode. P - Device is in passive mode.

Local information:

LACP port Admin Oper Port Port

Port Flags State Priority Key Key Number State

Fa0/22 SA bndl 32768 0x1 0x1 0x16 0x3D

Partner's information:

LACP port Admin Oper Port Port

Port Flags Priority Dev ID Age key Key Number State

Fa0/22 SA 32768 0026.98d2.e400 23s 0x0 0x1 0x16 0x3D

Age of the port in the current state: 0d:01h:34m:35s

----

FastEthernet0/23:

Port state = Up Mstr In-Bndl

Channel group = 2 Mode = Desirable-Sl Gcchange = 0

Port-channel = Po2 GC = 0x00020001 Pseudo port-channel = Po2

Port index = 0 Load = 0x00 Protocol = PAgP

Flags: S - Device is sending Slow hello. C - Device is in Consistent state.

A - Device is in Auto mode. P - Device learns on physical port.

d - PAgP is down.

Timers: H - Hello timer is running. Q - Quit timer is running.

S - Switching timer is running. I - Interface timer is running.

Local information:

Hello Partner PAgP Learning Group

Port Flags State Timers Interval Count Priority Method Ifindex

Fa0/23 SC U6/S7 H 30s 1 128 Any 5002

Partner's information:

Partner Partner Partner Partner Group

Port Name Device ID Port Age Flags Cap.

Fa0/23 S3.GD-IT-SW.hu 0026.98d3.1580 Fa0/24 21s SC 10001

Age of the port in the current state: 0d:01h:32m:09s

----

FastEthernet0/24:

Port state = Up Mstr Assoc In-Bndl

Channel group = 1 Mode = Active Gcchange = -

Port-channel = Po1 GC = - Pseudo port-channel = Po1

Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.

A - Device is in active mode. P - Device is in passive mode.

Local information:

LACP port Admin Oper Port Port

Port Flags State Priority Key Key Number State

Fa0/24 SA bndl 32768 0x1 0x1 0x18 0x3D

Partner's information:

LACP port Admin Oper Port Port

Port Flags Priority Dev ID Age key Key Number State

Fa0/24 SA 32768 0026.98d2.e400 10s 0x0 0x1 0x17 0x3D

Age of the port in the current state: 0d:01h:34m:36s

----

Port-channel1:Port-channel1 (Primary aggregator)

Age of the Port-channel = 0d:01h:34m:47s

Logical slot/port = 2/1 Number of ports = 2

HotStandBy port = null

Port state = Port-channel Ag-Inuse

Protocol = LACP

Port security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits

------+------+------+------------------+-----------

0 00 Fa0/22 Active 0

0 00 Fa0/24 Active 0

Time since last port bundled: 0d:01h:34m:37s Fa0/24

----

Port-channel2:

Age of the Port-channel = 0d:01h:34m:48s

Logical slot/port = 2/2 Number of ports = 2

GC = 0x00020001 HotStandBy port = null

Port state = Port-channel Ag-Inuse

Protocol = PAgP

Port security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits

------+------+------+------------------+-----------

0 00 Fa0/21 Desirable-Sl 0

0 00 Fa0/23 Desirable-Sl 0

Time since last port bundled: 0d:01h:32m:13s Fa0/23

### Spanningtree

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Blocking | Listening | Learning | Forwarding | STP | Active |
| ---------------------- | -------- | --------- | -------- | ---------- | --- | ------- |
| VLAN0001 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0002 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0010 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0020 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0021 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0030 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0031 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0040 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0041 | 0 | 0 | 0 | 2 |  | 2 |
|  |  |  |  |  |  |  |
| Name | Blocking | Listening | Learning | Forwarding | STP | Active |
| ---------------------- | -------- | --------- | -------- | ---------- | --- | ------- |
| VLAN0050 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0051 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0060 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0061 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0070 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0080 | 0 | 0 | 0 | 2 |  | 2 |
| VLAN0090 | 0 | 0 | 0 | 2 |  | 2 |
| ---------------------- | -------- | --------- | -------- | ---------- | --- | ------- |
| 16 vlans | 0 | 0 | 0 | 32 |  | 32 |
| VLAN0001 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 1 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32769 (priority 32768 | sys-id-e | xt 1) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0002 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 2 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32770 (priority 32768 | sys-id-e | xt 2) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0010 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 10 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32778 (priority 32768 | sys-id-e | xt 10) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0020 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 20 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32788 (priority 32768 | sys-id-e | xt 20) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0021 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 21 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32789 (priority 32768 | sys-id-e | xt 21) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0030 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 30 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32798 (priority 32768 | sys-id-e | xt 30) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0031 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 31 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32799 (priority 32768 | sys-id-e | xt 31) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0040 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 40 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32808 (priority 32768 | sys-id-e | xt 40) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0041 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 41 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32809 (priority 32768 | sys-id-e | xt 41) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0050 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 50 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32818 (priority 32768 | sys-id-e | xt 50) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0051 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 51 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32819 (priority 32768 | sys-id-e | xt 51) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0060 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 60 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32828 (priority 32768 | sys-id-e | xt 60) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0061 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 61 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32829 (priority 32768 | sys-id-e | xt 61) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0070 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 70 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32838 (priority 32768 | sys-id-e | xt 70) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0080 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 80 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32848 (priority 32768 | sys-id-e | xt 80) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| VLAN0090 |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |
| Root ID | Priority | 90 |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |
|  | Cost | 12 |  |  |  |  |
|  | Port | 56 (Port-channel1) |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  |  |  |  |  |  |  |
| Bridge I | D Priority | 32858 (priority 32768 | sys-id-e | xt 90) |  |  |
|  | Address | 0026.98d2.7200 |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |
|  | Aging Time 3 | 0 |  |  |  |  |
|  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- |
| Po1 | Root | FWD 12 128.56 | P2p |  |  |  |
| Po2 | Desg | FWD 12 128.64 | P2p |  |  |  |

### Status

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Port | Name | Status | Vlan | Duplex | Speed | Type |
| Fa0/1 | FRONT | notconnect | 20 | auto | auto | 10/100BaseTX |
| Fa0/2 | FRONT | notconnect | 20 | auto | auto | 10/100BaseTX |
| Fa0/3 | FRONT | notconnect | 20 | auto | auto | 10/100BaseTX |
| Fa0/4 | FRONT | notconnect | 20 | auto | auto | 10/100BaseTX |
| Fa0/5 | FRONT | notconnect | 20 | auto | auto | 10/100BaseTX |
| Fa0/6 | BACK | notconnect | 30 | auto | auto | 10/100BaseTX |
| Fa0/7 | BACK | notconnect | 30 | auto | auto | 10/100BaseTX |
| Fa0/8 | BACK | notconnect | 30 | auto | auto | 10/100BaseTX |
| Fa0/9 | BACK | notconnect | 30 | auto | auto | 10/100BaseTX |
| Fa0/10 | BACK | notconnect | 30 | auto | auto | 10/100BaseTX |
| Fa0/11 | BACK | notconnect | 30 | auto | auto | 10/100BaseTX |
| Fa0/12 | UX | notconnect | 60 | auto | auto | 10/100BaseTX |
| Fa0/13 | UX | notconnect | 60 | auto | auto | 10/100BaseTX |
| Fa0/14 | UX | notconnect | 60 | auto | auto | 10/100BaseTX |
| Fa0/15 | UX | notconnect | 60 | auto | auto | 10/100BaseTX |
| Fa0/16 | UX | notconnect | 60 | auto | auto | 10/100BaseTX |
| Fa0/17 | UX | notconnect | 60 | auto | auto | 10/100BaseTX |
| Fa0/18 | UX | notconnect | 60 | auto | auto | 10/100BaseTX |
| Fa0/19 | WIFI | notconnect | 70 | auto | auto | 10/100BaseTX |
| Fa0/20 | PRINTER | notconnect | 80 | auto | auto | 10/100BaseTX |
| Fa0/21 |  | connected | trunk | a-full | a-100 | 10/100BaseTX |
|  |  |  |  |  |  |  |
| Port | Name | Status | Vlan | Duplex | Speed | Type |
| Fa0/22 |  | connected | trunk | a-full | a-100 | 10/100BaseTX |
| Fa0/23 |  | connected | trunk | a-full | a-100 | 10/100BaseTX |
| Fa0/24 |  | connected | trunk | a-full | a-100 | 10/100BaseTX |
| Gi0/1 |  | notconnect | 1 | auto | auto | 10/100/1000BaseTX |
| Gi0/2 |  | notconnect | 1 | auto | auto | 10/100/1000BaseTX |
| Po1 |  | connected | trunk | a-full | a-100 |  |
| Po2 |  | connected | trunk | a-full | a-100 |  |

### Trunk

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Port | Mode | Encapsulation | Status | Native vlan |  |
| Po1 | on | 802.1q | trunking | 1 |  |
| Po2 | on | 802.1q | trunking | 1 |  |
|  |  |  |  |  |  |
| Port | Vlans allowed on trunk | |  |  |  |
| Po1 | 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80-81,90 | | | | |
| Po2 | 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80-81,90 | | | | |
|  |  |  |  |  |  |
| Port | Vlans allowed and active in management domain | | | | |
| Po1 | 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90 | | | |  |
| Po2 | 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90 | | | |  |
|  |  |  |  |  |  |
| Port | Vlans in spanning tree forwarding state and not pruned | | | | |
| Po1 | 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90 | | | |  |
| Po2 | 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90 | | | |  |

### Vlan

|  |  |  |  |
| --- | --- | --- | --- |
| VLAN | Name | Status | Ports |
| ---- | -------------------------------- | --------- | ------------------------------- |
| 1 | default | active | Gi0/1, Gi0/2 |
| 2 | MNGT\_VoIP | active |  |
| 10 | SWITCH | active |  |
| 20 | FRONT | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 |
|  |  |  | Fa0/5 |
| 21 | FRONT\_VoIP | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 |
|  |  |  | Fa0/5 |
| 30 | BACK | active | Fa0/6, Fa0/7, Fa0/8, Fa0/9 |
|  |  |  | Fa0/10, Fa0/11 |
| 31 | BACK\_VoIP | active | Fa0/6, Fa0/7, Fa0/8, Fa0/9 |
|  |  |  | Fa0/10, Fa0/11 |
| 40 | NETE | active |  |
| 41 | NETE\_VoIP | active |  |
| 50 | TESTER | active |  |
| 51 | TESTER\_VoIP | active |  |
| 60 | UX | active | Fa0/12, Fa0/13, Fa0/14, Fa0/15 |
|  |  |  | Fa0/16, Fa0/17, Fa0/18 |
| 61 | UX\_VoIP | active | Fa0/12, Fa0/13, Fa0/14, Fa0/15 |
|  |  |  | Fa0/16, Fa0/17, Fa0/18 |
| 70 | WIFI | active | Fa0/19 |
|  |  |  |  |
| VLAN | Name | Status | Ports |
| ---- | -------------------------------- | --------- | ------------------------------- |
| 80 | PRINTER | active | Fa0/20 |
| 90 | SERVER | active |  |
| 99 | VLAN0099 | active |  |
| 1002 | fddi-default | act/unsup |  |
| 1003 | token-ring-default | act/unsup |  |
| 1004 | fddinet-default | act/unsup |  |
| 1005 | trnet-default | act/unsup |  |

### Running config

Current configuration : 7155 bytes

!

version 12.2

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname S2

!

boot-start-marker

boot-end-marker

!

!

username admin password 0 cisco privilege 15

no aaa new-model

system mtu routing 1500

ip subnet-zero

!

ip domain-name GD-IT-SW.hu

!

!

crypto pki trustpoint TP-self-signed-2563928576

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-2563928576

revocation-check none

rsakeypair TP-self-signed-2563928576

!

!

crypto pki certificate chain TP-self-signed-2563928576

certificate self-signed 01

30820246 308201AF A0030201 02020101 300D0609 2A864886 F70D0101 04050030

31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274

69666963 6174652D 32353633 39323835 3736301E 170D3933 30333031 30303030

35315A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649

4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 35363339

32383537 3630819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281

8100BEFC C4978987 92363A5D 0C61B2EA 1D618791 78011469 F6B63CD8 9ACA73BB

1704D998 56E8DBD2 209B0D1D E18687B1 ECAF19F3 B3DDE3C4 4BA33E19 976C748D

03E6561E 3A9138F5 342B1BC8 67A6F1D9 CB51E45B BBAAA1AC 7F485C4B 5FB7CBD8

DFAA06CB 46336DD5 6F7938BA 3A7C8D1A BF52021C 8D464625 C49C434F 600C6A0A

39730203 010001A3 6E306C30 0F060355 1D130101 FF040530 030101FF 30190603

551D1104 12301082 0E53322E 47442D49 542D5357 2E687530 1F060355 1D230418

30168014 2E876D44 D4D2F9F1 F55B42CB 4A7AB633 2D16BD3F 301D0603 551D0E04

1604142E 876D44D4 D2F9F1F5 5B42CB4A 7AB6332D 16BD3F30 0D06092A 864886F7

0D010104 05000381 810062FE 380360A2 E99CFD71 902EDBFC C5180666 601EB4B8

A18D8AB2 96A914F7 DBDC3997 AD937E55 62854A70 CFE6F4C2 E33CADD6 BEA6E6DE

8BDCAA5E EBBAEC10 8069BD73 14CF76BF D53E0506 9E9C261F C98A0534 05C569BE

270CA7CD BC42DB02 3F1B2E42 E53DABFA 379CC3B5 40110955 C9CB6622 0DF35A8F

167973BE 4C82B9DE 1161

quit

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

!

!

!

interface Port-channel1

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface Port-channel2

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface FastEthernet0/1

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/2

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/3

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/4

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/5

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/6

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/7

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/8

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/9

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/10

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/11

description BACK

switchport access vlan 30

switchport mode access

switchport voice vlan 31

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/12

description UX

switchport access vlan 60

switchport mode access

switchport voice vlan 61

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/13

description UX

switchport access vlan 60

switchport mode access

switchport voice vlan 61

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/14

description UX

switchport access vlan 60

switchport mode access

switchport voice vlan 61

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/15

description UX

switchport access vlan 60

switchport mode access

switchport voice vlan 61

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/16

description UX

switchport access vlan 60

switchport mode access

switchport voice vlan 61

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/17

description UX

switchport access vlan 60

switchport mode access

switchport voice vlan 61

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/18

description UX

switchport access vlan 60

switchport mode access

switchport voice vlan 61

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/19

description WIFI

switchport access vlan 70

switchport mode access

spanning-tree portfast

!

interface FastEthernet0/20

description PRINTER

switchport access vlan 80

switchport mode access

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/21

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol pagp

channel-group 2 mode desirable

!

interface FastEthernet0/22

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol lacp

channel-group 1 mode active

!

interface FastEthernet0/23

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol pagp

channel-group 2 mode desirable

!

interface FastEthernet0/24

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol lacp

channel-group 1 mode active

!

interface GigabitEthernet0/1

!

interface GigabitEthernet0/2

!

interface Vlan1

ip address 192.168.1.210 255.255.255.240

no ip route-cache

!

ip http server

ip http secure-server

!

control-plane

!

!

line con 0

line vty 0 4

login local

transport input ssh

line vty 5 15

login local

transport input ssh

!

end

## S3

### Etherchannel

----

FastEthernet0/22:

Port state = Up Mstr In-Bndl

Channel group = 1 Mode = Desirable-Sl Gcchange = 0

Port-channel = Po1 GC = 0x00010001 Pseudo port-channel = Po1

Port index = 0 Load = 0x00 Protocol = PAgP

Flags: S - Device is sending Slow hello. C - Device is in Consistent state.

A - Device is in Auto mode. P - Device learns on physical port.

d - PAgP is down.

Timers: H - Hello timer is running. Q - Quit timer is running.

S - Switching timer is running. I - Interface timer is running.

Local information:

Hello Partner PAgP Learning Group

Port Flags State Timers Interval Count Priority Method Ifindex

Fa0/22 SC U6/S7 H 30s 1 128 Any 5001

Partner's information:

Partner Partner Partner Partner Group

Port Name Device ID Port Age Flags Cap.

Fa0/22 S2.GD-IT-SW.hu 0026.98d2.7200 Fa0/21 17s SC 20001

Age of the port in the current state: 0d:01h:51m:51s

----

FastEthernet0/24:

Port state = Up Mstr In-Bndl

Channel group = 1 Mode = Desirable-Sl Gcchange = 0

Port-channel = Po1 GC = 0x00010001 Pseudo port-channel = Po1

Port index = 0 Load = 0x00 Protocol = PAgP

Flags: S - Device is sending Slow hello. C - Device is in Consistent state.

A - Device is in Auto mode. P - Device learns on physical port.

d - PAgP is down.

Timers: H - Hello timer is running. Q - Quit timer is running.

S - Switching timer is running. I - Interface timer is running.

Local information:

Hello Partner PAgP Learning Group

Port Flags State Timers Interval Count Priority Method Ifindex

Fa0/24 SC U6/S7 H 30s 1 128 Any 5001

Partner's information:

Partner Partner Partner Partner Group

Port Name Device ID Port Age Flags Cap.

Fa0/24 S2.GD-IT-SW.hu 0026.98d2.7200 Fa0/23 9s SC 20001

Age of the port in the current state: 0d:01h:51m:52s

----

Port-channel1:

Age of the Port-channel = 0d:01h:54m:30s

Logical slot/port = 2/1 Number of ports = 2

GC = 0x00010001 HotStandBy port = null

Port state = Port-channel Ag-Inuse

Protocol = PAgP

Port security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits

------+------+------+------------------+-----------

0 00 Fa0/22 Desirable-Sl 0

0 00 Fa0/24 Desirable-Sl 0

Time since last port bundled: 0d:01h:51m:54s Fa0/24

### Spanningtree

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Blocking | Listening | Learning | Forwarding | STP | Active |
| ---------------------- | -------- | --------- | -------- | ---------- | --- | ------- |
| VLAN0001 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0002 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0010 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0020 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0021 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0030 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0031 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0040 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0041 | 1 | 0 | 0 | 1 |  | 2 |
|  |  |  |  |  |  |  |
| Name | Blocking | Listening | Learning | Forwarding | STP | Active |
| ---------------------- | -------- | --------- | -------- | ---------- | --- | ------- |
| VLAN0050 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0051 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0060 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0061 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0070 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0080 | 1 | 0 | 0 | 1 |  | 2 |
| VLAN0090 | 1 | 0 | 0 | 1 |  | 2 |
| ---------------------- | -------- | --------- | -------- | ---------- | --- | ------- |
| 16 vlans | 16 | 0 | 0 | 16 |  | 32 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| VLAN0001 |  |  |  |  |  |
| Spanning tree enabled protocol ieee | | |  |  |  |
| Root ID | Priority | 1 |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |
|  | Cost | 19 |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |
|  | Hello Time | 2 sec | Max Age 20 sec | Forward Delay 15 sec |  |
|  |  |  |  |  |  |
| Bridge ID | Priority | 4097 | (priority 4096 sys-id-ext 1) | |  |
|  | Address | 0026.98d3.1580 |  |  |  |
|  | Hello Time | 2 sec | Max Age 20 sec | Forward Delay 15 sec |  |
|  | Aging Time | 300 |  |  |  |
|  |  |  |  |  |  |
| Interface | Role | Sts | Cost | Prio.Nbr | Type |
| ------------- | ------ ---- | --- | --------- | -------- | -------- |
| Fa0/21 | Root | FWD | 19 | 128.21 | P2p |
| Po1 | Altn | BLK | 12 | 128.56 | P2p |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| VLAN0001 |  |  |  |  |  |  |  |
| Spanning tree enabled protocol ieee | | |  |  |  |  |  |
| Root ID | Priority | 1 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec | Max Age 20 sec | Forward Delay 15 sec |  |  |  |
|  |  |  |  |  |  |  |  |
| Bridge ID | Priority | 4097 | (priority 4096 sys-id-ext 1) | |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec | Max Age 20 sec | Forward Delay 15 sec |  |  |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ |  |  |  |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0002 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 2 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4098 (priority 4096 | sys-id-ex | t 2) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0010 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 10 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4106 (priority 4096 | sys-id-ex | t 10) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0020 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 20 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4116 (priority 4096 | sys-id-ex | t 20) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0021 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 21 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4117 (priority 4096 | sys-id-ex | t 21) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0030 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 30 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4126 (priority 4096 | sys-id-ex | t 30) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0031 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 31 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4127 (priority 4096 | sys-id-ex | t 31) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0040 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 40 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4136 (priority 4096 | sys-id-ex | t 40) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0041 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 41 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4137 (priority 4096 | sys-id-ex | t 41) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0050 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 50 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4146 (priority 4096 | sys-id-ex | t 50) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0051 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 51 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4147 (priority 4096 | sys-id-ex | t 51) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0060 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 60 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4156 (priority 4096 | sys-id-ex | t 60) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0061 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 61 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4157 (priority 4096 | sys-id-ex | t 61) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0070 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 70 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4166 (priority 4096 | sys-id-ex | t 70) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0080 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 80 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4176 (priority 4096 | sys-id-ex | t 80) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| VLAN0090 |  |  |  |  |  |  |  |
| Spanning | tree enabled p | rotocol ieee |  |  |  |  |  |
| Root ID | Priority | 90 |  |  |  |  |  |
|  | Address | 0026.98d2.e400 |  |  |  |  |  |
|  | Cost | 19 |  |  |  |  |  |
|  | Port | 21 (FastEthernet0/21) |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  |  |  |  |  |  |  |  |
| Bridge I | D Priority | 4186 (priority 4096 | sys-id-ex | t 90) |  |  |  |
|  | Address | 0026.98d3.1580 |  |  |  |  |  |
|  | Hello Time | 2 sec Max Age 20 sec | Forward | Delay | 15 | sec |  |
|  | Aging Time | 300 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Interface | Role | Sts Cost Prio.Nbr | Type |  |  |  |  |
| ---------- | --------- ---- | --- --------- -------- | -------- | ------ | --- | --------------- | |
| Fa0/21 | Root | FWD 19 128.21 | P2p |  |  |  |  |
| Po1 | Altn | BLK 12 128.56 | P2p |  |  |  |  |

### Status

Port Name Status Vlan Duplex Speed Type

Fa0/1 FRONT notconnect 20 auto auto 10/100BaseTX

Fa0/2 FRONT notconnect 20 auto auto 10/100BaseTX

Fa0/3 FRONT notconnect 20 auto auto 10/100BaseTX

Fa0/4 FRONT notconnect 20 auto auto 10/100BaseTX

Fa0/5 FRONT notconnect 20 auto auto 10/100BaseTX

Fa0/6 FRONT notconnect 20 auto auto 10/100BaseTX

Fa0/7 NETE notconnect 40 auto auto 10/100BaseTX

Fa0/8 NETE notconnect 40 auto auto 10/100BaseTX

Fa0/9 NETE notconnect 40 auto auto 10/100BaseTX

Fa0/10 NETE notconnect 40 auto auto 10/100BaseTX

Fa0/11 NETE notconnect 40 auto auto 10/100BaseTX

Fa0/12 NETE notconnect 40 auto auto 10/100BaseTX

Fa0/13 NETE notconnect 40 auto auto 10/100BaseTX

Fa0/14 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/15 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/16 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/17 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/18 TESTER notconnect 50 auto auto 10/100BaseTX

Fa0/19 WIFI notconnect 70 auto auto 10/100BaseTX

Fa0/20 PRINTER notconnect 80 auto auto 10/100BaseTX

Fa0/21 connected trunk a-full a-100 10/100BaseTX

Port Name Status Vlan Duplex Speed Type

Fa0/22 connected trunk a-full a-100 10/100BaseTX

Fa0/23 notconnect 1 auto auto 10/100BaseTX

Fa0/24 connected trunk a-full a-100 10/100BaseTX

Gi0/1 notconnect 1 auto auto 10/100/1000BaseTX

Gi0/2 notconnect 1 auto auto 10/100/1000BaseTX

Po1 connected trunk a-full a-100

### Trunk

Port Mode Encapsulation Status Native vlan

Fa0/21 on 802.1q trunking 1

Po1 on 802.1q trunking 1

Port Vlans allowed on trunk

Fa0/21 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80-81,90

Po1 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71,80-81,90

Port Vlans allowed and active in management domain

Fa0/21 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Po1 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Port Vlans in spanning tree forwarding state and not pruned

Fa0/21 1-2,10,20-21,30-31,40-41,50-51,60-61,70,80,90

Po1 none

### Vlan

VLAN Name Status Ports

---- -------------------------------- --------- -------------------------------

1 default active Fa0/23, Gi0/1, Gi0/2

2 MNGT\_VoIP active

10 SWITCH active

20 FRONT active Fa0/1, Fa0/2, Fa0/3, Fa0/4

Fa0/5, Fa0/6

21 FRONT\_VoIP active Fa0/1, Fa0/2, Fa0/3, Fa0/4

Fa0/5, Fa0/6

30 BACK active

31 BACK\_VoIP active

40 NETE active Fa0/7, Fa0/8, Fa0/9, Fa0/10

Fa0/11, Fa0/12, Fa0/13

41 NETE\_VoIP active Fa0/7, Fa0/8, Fa0/9, Fa0/10

Fa0/11, Fa0/12, Fa0/13

50 TESTER active Fa0/14, Fa0/15, Fa0/16, Fa0/17

Fa0/18

51 TESTER\_VoIP active Fa0/14, Fa0/15, Fa0/16, Fa0/17

Fa0/18

60 UX active

61 UX\_VoIP active

70 WIFI active Fa0/19

VLAN Name Status Ports

---- -------------------------------- --------- -------------------------------

80 PRINTER active Fa0/20

90 SERVER active

99 VLAN0099 active

1002 fddi-default act/unsup

1003 token-ring-default act/unsup

1004 fddinet-default act/unsup

1005 trnet-default act/unsup

### Running config

Current configuration : 7045 bytes

!

version 12.2

service config

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname S3

!

boot-start-marker

boot-end-marker

!

!

username admin password 0 cisco privilege 15

no aaa new-model

system mtu routing 1500

ip subnet-zero

!

ip domain-name GD-IT-SW.hu

!

!

crypto pki trustpoint TP-self-signed-2563970432

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-2563970432

revocation-check none

rsakeypair TP-self-signed-2563970432

!

!

crypto pki certificate chain TP-self-signed-2563970432

certificate self-signed 01

30820246 308201AF A0030201 02020101 300D0609 2A864886 F70D0101 04050030

31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274

69666963 6174652D 32353633 39373034 3332301E 170D3933 30333031 30303033

32355A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649

4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 35363339

37303433 3230819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281

8100DC35 5A65E922 9559F62A D10C5567 B4B22E1B 8875AEB0 A02A9343 C717EE86

78C72E28 B5EF3633 12ACF54B 4610B3F1 7616FFEC 991D4938 EAEC26C2 46DCA5B5

B30FCBBD 03A300EF 3C7C7B23 2DF9D467 3704BEB2 CE5D1FDB D42389E9 EDBD3E1B

263FF553 304EF527 E8C01D1D D084137F 3040E2FB 5B9F7473 193FD612 9F398C7B

8CFF0203 010001A3 6E306C30 0F060355 1D130101 FF040530 030101FF 30190603

551D1104 12301082 0E53332E 47442D49 542D5357 2E687530 1F060355 1D230418

30168014 212E7578 EE4A2279 D4BD4C9F 9A9C80DD 75C9FCD5 301D0603 551D0E04

16041421 2E7578EE 4A2279D4 BD4C9F9A 9C80DD75 C9FCD530 0D06092A 864886F7

0D010104 05000381 8100AE62 ECD7CCE5 A8E6A365 B14FD7A8 886A73A9 C72420BD

E2256176 D7EC8A38 DC8BABF5 C2E0D6B3 4B390C45 3C09AB53 DAE622A3 E3F61B9C

76B7A71E 45F787F3 7081CA81 92316A0A 6BF0EC0B E8C72D55 DB63C725 B466B6E4

E96E84DD F6CBA7EA D858D210 C6228BF5 D71E82FC AE723BC3 9240820F 79C7F573

82A691A7 FA56BB31 5734

quit

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

spanning-tree vlan 1-2,10-11,20-21,30-31,40-41,50-51,60-61,70-71 priority 4096

spanning-tree vlan 80-81,90 priority 4096

!

vlan internal allocation policy ascending

!

!

!

interface Port-channel1

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface FastEthernet0/1

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/2

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/3

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/4

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/5

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/6

description FRONT

switchport access vlan 20

switchport mode access

switchport voice vlan 21

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/7

description NETE

switchport access vlan 40

switchport mode access

switchport voice vlan 41

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/8

description NETE

switchport access vlan 40

switchport mode access

switchport voice vlan 41

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/9

description NETE

switchport access vlan 40

switchport mode access

switchport voice vlan 41

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/10

description NETE

switchport access vlan 40

switchport mode access

switchport voice vlan 41

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/11

description NETE

switchport access vlan 40

switchport mode access

switchport voice vlan 41

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/12

description NETE

switchport access vlan 40

switchport mode access

switchport voice vlan 41

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/13

description NETE

switchport access vlan 40

switchport mode access

switchport voice vlan 41

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/14

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/15

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/16

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/17

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/18

description TESTER

switchport access vlan 50

switchport mode access

switchport voice vlan 51

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/19

description WIFI

switchport access vlan 70

switchport mode access

spanning-tree portfast

!

interface FastEthernet0/20

description PRINTER

switchport access vlan 80

switchport mode access

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/21

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface FastEthernet0/22

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol pagp

channel-group 1 mode desirable

!

interface FastEthernet0/23

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

!

interface FastEthernet0/24

switchport trunk allowed vlan 1,2,10,11,20,21,30,31,40,41,50,51,60,61,70,71,80

switchport trunk allowed vlan add 81,90

switchport mode trunk

channel-protocol pagp

channel-group 1 mode desirable

!

interface GigabitEthernet0/1

!

interface GigabitEthernet0/2

!

interface Vlan1

ip address 192.168.1.211 255.255.255.240

no ip route-cache

!

ip http server

ip http secure-server

!

control-plane

!

!

line con 0

line vty 0 4

login local

transport input ssh

line vty 5 15

login local

transport input ssh

!

end

# Wifi

