

Start Configuration

```
conf t
line con 0
logging synchronous
exit
ipv6 unicast-routing
no ip domain-lookup
```

WAN Interface

```
ip address 10.28.11.1 255.255.255.252
ipv6 address 2001:ABCD:ABCD:XY::1/126
ip ospf hello 5
ipv6 ospf hello 5
ipv6 ospf 5 area 0
no shut
```

WAN Interface im Backbone

```
ip address 10.28.11.1 255.255.255.252
ipv6 address 2001:ABCD:ABCD:XY::1/126
ip ospf hello 4
ipv6 ospf hello 4
ipv6 ospf 0 area 0
no shut
```

Router OSPF

```
auto-cost reference-bandwidth 100000
network 10.28.11.0 0.0.0.255 area 28
network 10.28.11.netzaddr 0.0.0.3 area 28
router-id 10.28.11.10
passive-interface fa
area 28 range 10.288.0.0 255.255.0.0
```

Interface des Switch-Moduls

```
switchport mode access
switchport nonegotiate
spanning-tree portfast
spanning-tree bpduguard enable
```

trunk distribution

```
int range fa0/1 - fa0/lastIF
switchport mode dynamic desirable
switchport native vlan 99
```

WAN links

```
ip ospf hello 4
ipv6 ospf hello 4
```

access-switches

```
int range fa0/firstIF - fa0/lastIF
switchport mode access
switchport nonegotiate
spanning-tree portfast
spanning-tree bpduguard enable
```

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