Switchkonfiguration: Spanning Tree Protocol

Root-Switch festlegen (kleinste BID)

```
Switch(config)# spanning-tree vlan 10 root primary
Switch(config)# spanning-tree vlan 10 root secondary
Switch(config)# spanning-tree vlan 10 priority 4096  (Vielfaches von 4096)
```

Kosten einer Schnittstelle

```
Switch(config-if)# spanning-tree cost 1
```

PortFast (sofort → Forwarding)

```
Switch(config-if)# spanning-tree portfast
Switch(config)# spanning-tree portfast default
```

BPDU Guard (bei Eintreffen eines BPDUs Port deaktivieren)

```
Switch(config-if)# spanning-tree bpduguard enable
Switch(config)# spanning-tree bpduguard default
```

Rapid PVST+

```
Switch(config)# spanning-tree mode rapid-pvst
```

Diagnose

```
Switch# show spanning-tree
Switch# show spanning-tree summary
Switch# show spanning-tree active
Switch# show spanning-tree vlan 10
```