

DTP (Dynamic Trunking Protocol)

Funktionalität

Cisco-Switches tauschen DTP-Frames aus, um den Port-Modus auszuhandeln.

Switchport-Modus einstellen

SWITCH(config-if)# switchport mode access	Access
SWITCH(config-if)# switchport mode trunk	Trunk
SWITCH(config-if)# switchport mode dynamic auto	wartet auf Gegenüber (default)
SWITCH(config-if)# switchport mode desirable	versucht, Trunk-Leitung herzustellen

DTP deaktivieren

```
SWITCH(config-if)# switchport nonegotiate
```

Diagnose

```
SWITCH# show dtp interface Fa0/1
```

Operational Mode

Administrative Mode	Access	Trunk	Dynamic Auto	Dynamic Desirable
Access	Access	-	Access	Access
Trunk	-	Trunk	Trunk	Trunk
Dynamic Auto	Access	Trunk	Access	Trunk
Dynamic Desirable	Access	Trunk	Trunk	Trunk

Best Practice

```
SWITCH(config-if)# switchport mode trunk  
SWITCH(config-if)# switchport nonegotiate
```