

# 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
```