

Port-Security

Explizit Access-Modus zuweisen und Port-Security aktivieren

```
SWITCH(config-if)# switchport mode access
SWITCH(config-if)# switchport port-security
```

(Optional) Anzahl der erlaubten MAC-Adressen einstellen (Standard = 1)

```
SWITCH(config-if)# switchport port-security maximum 5
```

(Optional) Statische MAC-Adressen konfigurieren

```
SWITCH(config-if)# switchport port-security mac-address 0000.0000.000a
SWITCH(config-if)# switchport port-security mac-address 0000.0000.000b
```

(Optional) Sticky-learning aktivieren

```
SWITCH(config-if)# switchport port-security mac-address sticky
```

Dynamisch gelernte MAC-Adressen werden automatisch in die running-config übertragen.

(Optional) Violation-Folgen konfigurieren (Standard = shutdown)

```
SWITCH(config-if)# switchport port-security violation shutdown
SWITCH(config-if)# switchport port-security violation restrict
SWITCH(config-if)# switchport port-security violation protect
```

	unerlaubte Mac-Adressen sperren	Syslog Message	Violation-Counter erhöhen	Port deaktivieren ERR_DISABLE / secure_shutdown
protect	✓	-	-	-
restrict	✓	✓	✓	-
shutdown	✓	✓	✓	✓

(Optional) Aging von MAC-Adressen

(Optional) Aging-Time in Minuten (Standard = 0 ⇒ aging is disabled)

```
SWITCH(config-if)# switchport port-security aging time 1440
```

(Optional) Aging-Type (Standard = absolute)

```
SWITCH(config-if)# switchport port-security aging type absolute
SWITCH(config-if)# switchport port-security aging type inactivity
```

(Optional) Aging von statischen MAC-Adressen aktivieren

```
SWITCH(config-if)# switchport port-security aging static
```

Gesperzten Port wieder aktivieren

```
SWITCH(config-if)# shutdown
SWITCH(config-if)# no shutdown
```

Diagnose

```
SWITCH# show port-security
SWITCH# show port-security interface Fa0/1
SWITCH# show port-security address
```