

CCNA relevante Befehle

```
router>enable
Password:
router#disable
router>en
Password:
router#configure terminal
router(config)#exit
router#show arp
router#show flash: all
router#show history
router#show interfaces
router#show line
router#show running-config
router#show sessions
router#show users
router#show version
```

```
router#show cdp ?
```

```
interface  CDP interface status and configuration
neighbors  CDP neighbor entries
traffic    CDP statistics
```

```
router(config)#cdp ?
```

```
advertise-v2  CDP sends version-2 advertisements
holdtime     Specify the holdtime (in sec) to be sent in packets
timer        Specify the rate at which CDP packets are sent    (in sec)
run
```

```
router#show cdp neighbors detail
```

```
router#show cdp interface
```

```
router(config)#interface serial 0
router(config-if)#no cdp enable
```

```
router(config)#no cdp run
```

```
router#copy ?  
/erase      Erase destination file system.  
flash:      Copy from flash: file system  
ftp:        Copy from ftp: file system  
null:       Copy from null: file system  
nvram:      Copy from nvram: file system  
rcp:        Copy from rcp: file system  
running-config Copy from current system configuration  
startup-config Copy from startup configuration  
system:     Copy from system: file system  
tftp:       Copy from tftp: file system  
xmodem:     Copy from xmodem: file system  
ymodem:     Copy from ymodem: file system
```

```
router#copy startup-config running-config
```

```
router(config)#line ?  
<0-6>      First Line number  
aux        Auxiliary line  
console    Primary terminal line  
vtty       Virtual terminal
```

```
router(config)#line vty 0 4  
router(config)#login  
router(config)#password ...
```

```
router(config)#no ip domain-lookup
```

```
router(config)#interface serial 0  
router(config-if)#ip address 172.17.0.2 255.255.0.0  
router(config-if)#no shutdown
```

```
router#show ip route ?  
Hostname or A.B.C.D Network to display information about or hostname  
bgp                Border Gateway Protocol (BGP)  
connected          Connected  
egp                Exterior Gateway Protocol (EGP)  
eigrp              Enhanced Interior Gateway Routing Protocol (EIGRP)  
igrp               Interior Gateway Routing Protocol (IGRP)  
isis               ISO IS-IS  
list               IP Access list  
mobile             Mobile routes  
odr                On Demand stub Routes  
ospf               Open Shortest Path First (OSPF)  
profile            IP routing table profile  
rip                Routing Information Protocol (RIP)
```

static Static routes
summary Summary of all routes
supernets-only Show supernet entries only
vrf Display routes from a VPN Routing/Forwarding instance
| Output modifiers
<cr>

router#show ip eigrp topology
router#show ip eigrp topology 20.0.0.0
router#show ip eigrp neighbour
router#show ip eigrp neighbour detail

router#show ip protocols
router#show ip eigrp interface
router#show ip eigrp traffic
router#show ip eigrp events

router#debug ?
aaa AAA Authentication, Authorization and Accounting
access-expression Boolean access expression
adjacency adjacency
all Enable all debugging
arp IP ARP and HP Probe transactions
async Async interface information
backup Backup events
callback Callback activity
cca CCA activity
cdapi CDAPI information
cdp CDP information
chat Chat scripts activity
compress COMPRESS traffic
condition Condition
confmodem Modem configuration database
cpp Cpp information
custom-queue Custom output queueing
dhcp DHCP client activity
dialer Dial on Demand
dnsix Dnsix information
domain Domain Name System
dxi atm-dxi information
eigrp EIGRP Protocol information
ethernet-interface Ethernet network interface events
frame-relay Frame Relay
interface interface
ip IP information
lapb LAPB protocol transactions
lex LAN Extender protocol
list Set interface or/and access list for the next debug

command
llc2 LLC2 type II Information
modem Modem control/process activation
nhrp NHRP protocol
ntp NTP information
nvram Debug NVRAM behavior
packet Log unknown packets
pad X25 PAD protocol
ppp PPP (Point to Point Protocol) information
priority Priority output queueing
probe HP Probe Proxy Requests
radius RADIUS protocol
rif RIF cache transactions
rtr RTR Monitor Information
serial Serial interface information
smf Software MAC filter
snapshot Snapshot activity
snmp SNMP information
spantree Spanning tree information
standby Hot standby protocol
tacacs TACACS authentication and authorization
tbridge Transparent Bridging
telnet Incoming telnet connections
template Template activity
tftp TFTP debugging
token Token Ring information
tunnel Generic Tunnel Interface
v120 V120 information
vprofile Virtual Profile information
vtemplate Virtual Template information
x25 X.25, CMNS and XOT information
x28 X28 mode

```
router#debug eigrp neighbors  
router#debug eigrp packets  
router#debug ip eigrp  
router#terminal monitor
```

```
router(config)#router rip  
router(config-router)#network 10.0.0.0  
router(config-router)#version 1  
router(config)#no router rip
```

```
router(config)# ip nat inside source static 192.168.0.10 20.0.0.20  
router(config)#interface ethernet0  
router(config-if)#ip nat inside  
router(config-if)#exit  
router(config)#interface serial0
```

```
router(config-if)#ip nat outside
router(config-if)#exit
```

```
router(config)#ip nat pool natpool 20.0.0.20 20.0.0.25 netmask 255.0.0.0
router(config)#access-list 1 permit 192.168.0.0 0.0.0.255
router(config)#ip nat inside source list 1 pool natpool
router(config)#interface ethernet0
router(config-if)#ip nat inside
router(config-if)#exit
router(config)#interface serial0
router(config-if)#ip nat outside
router(config-if)#exit
```

```
router(config)#access-list 10 deny 172.16.20.2 0.0.0.255
router(config)#access-list 10 permit any
router(config)#interface ethernet 0
router(config-if)#ip access-group 10 in
```

```
router(config)#router ospf 1
router(config-router)#network 172.16.0.0 0.0.255.255 area 0
```

```
router#show ip ospf ?
<1-4294967295>    Process ID number
border-routers    Border and Boundary Router Information
database          Database summary
flood-list        Link state flood list
interface         Interface information
neighbor          Neighbor list
request-list      Link state request list
retransmission-list Link state retransmission list
summary-address   Summary-address redistribution Information
virtual-links     Virtual link information
|                Output modifiers
<cr>
```

```
router#show ip ospf neighbor detail
router#debug ip ospf
```

```
router(config)#username mitte password salinas
router(config)#interface serial 0
router(config-if)#encapsulation ppp
router(config-if)#ppp encapsulation chap
```

```
router#debug ppp authentication
```

```
router(config)# interface serial0
router(config-if)# encapsulation frame-relay
router(config)# ip address 30.0.0.1 255.0.0.0
router(config)# frame-relay interface-dlci 100
router(config)# no shutdown
router(config-if)# exit
```

```
router# show ip interface brief
router# show frame-relay pvc
router# show frame-relay map
```
