# Cisco NT Cheat Sheet

by IFK2017 (IFK2017) via cheatography.com/110960/cs/21604/

## Basic Mode Switch Commands

| | |
|---|---|
| Router> enable | Privileged EXEC |
| Router# configure terminal | Global Configuration |
| Router(config)# interface G0/1 | Interface Configuration G0/1 |
| Router(config)# interface type sub interface number | Sub-Interface Configuration |
| exit | back one mode |
| <Shift> and <Ctrl> and 6 then x | Suspend or abort |

## Info Commands

| | |
|---|---|
| show ip protocols | Show Routing protocol infos |
| debug ip rip | enable rip update infos every 30a |
| show hosts | show configured hosts |
| show interface brief | show current interface config for all interfaces |
| show version | View version information |
| show running-config | View current configuration (DRAM) |
| show startup-config | View startup configuration (NVRAM) |
| show flash | Show IOS file and flash space |
| show log | Shows all logs that the router has in its memory |
| show interface e0 | View the interface status of interface e0 |
| show cdp neighbor | Display a summary of connected cdp devices |
| show cdp entry * | Display detailed information on all devices |
| show ip protocols | Display current routing protocols |
| show ip route | Display IP routing table |
| show access-lists | Display access lists, this includes the number of displayed matches |
| show frame--relay map | Display the frame inverse ARP table |
| show frame--relay pvc | Check a Frame Relay PVC connections |
| show frame--relay lmi | show lmi traffic stats |

all in Router#

## Basic Config

| | |
|---|---|
| Router(config)# ip host HOST IPADDRESS | add new host with ip=IPADDRESS |
| Router# copy running-config startup-config | save running configuration in NVRAM |
| Router# erease startup-config | delete startup config, after next restart router will be back to default |
| Router(config)#ip route REMOTEIP REMOTESUBNET NEXTHOPIP COST | add static route to remote network with specific cost |

## Interface Config

| | |
|---|---|
| Router(config)# int s0/1 | open interface s0/1 |
| Router(config-if)# ip address IPADDRESS SUBNETMASK | set IP address of interface |
| Router(config-if)# no shut | change interface to up |

## Routing (RIP)

| | |
|---|---|
| Router(config)# router rip | enable rip |
| Router(config-router)# version 2 | rip version |
| Router(config-router)# network IPADDRESS | add network to rip routing (IPADDRESS = Netzadresse) |
| Router(config-router)# neighbor IPADDRESS | Defines a neighboring device with which to exchange routing information |
| Router(config-router)# no auto-summary | turn off auto-summary |
| Router(config-router)# passive-interface g0/0 | prevent the interface from sending out routing updates TO g0/0 but allow the interface to receive updates FROM g0/0 |
| Router(config-router)# end | back to privileged exec |

## Reihenfolge Config

Endgeräte

Interface "außen" (Richtung Endgerät)

Interface "innen"




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