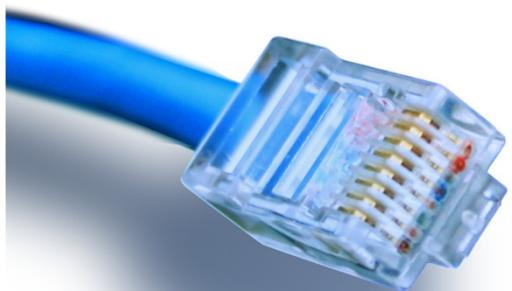


HOUSE OF
TECHNOLOGY



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Cisco

- routere og switcher

Konfigurations kommandoer

Adgangsmetoder

- Telnet eller SSH
- AUX modem port
- Konsol
 - Bruges til "første gangs" konfigurationer
 - Kræver det rigtige kabel
 - DB9 til RJ45 – "Blå kabel" – "Cisco Roll-over cable"
 - USB mini

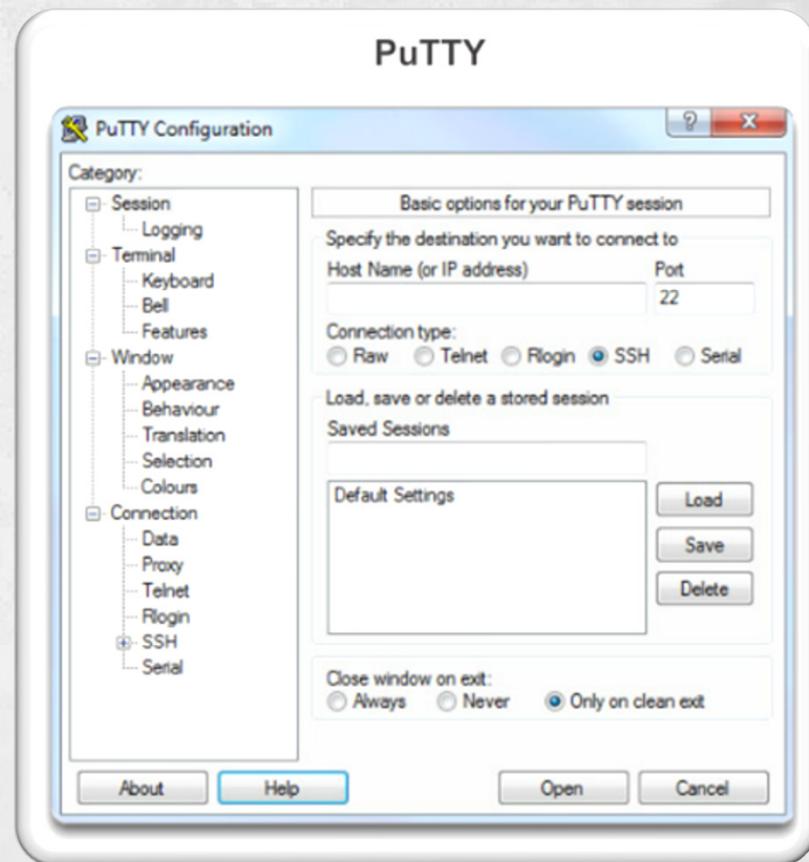


Terminal Emulering



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- Terminal Emulerings programmer
 - PuTTY
 - Tera term
 - SecureCRT
 - HyperTerminal
 - OS X Terminal



Konfigurationsniveauer

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IOS Mode Hierarchical Structure

antec⁺

```
User EXEC Command-Router>
ping
show (limited)
enable
etc.
```

```
Privileged EXEC Commands-Router#
all User EXEC commands
debug commands
reload
configure
etc.
```

```
Global Configuration Commands-Router(config)#
hostname
enable secret
ip route
```

```
interface ethernet
serial
dsl
etc.
Interface Commands-Router(config-if)#
ip address
ipv6 address
encapsulation
shutdown/ no shutdown
etc.
```

```
router      rip
            ospf
            eigrp
etc.
Routing Engine Commands-Router(config-router)#
network
version
auto summary
etc.
```

```
line        vty
            console
etc.
Line Commands-Router(config-line)#
password
login
modem commands
etc.
```

- Adgang til User-Exec Mode
 - Nogle show kommandoer
 - Show clock som vist her finde også i User-Exec
- Adgang til Priv-Exec mode
 - Enable kommandoen giver adgang
 - Evt. kodeord nødvendigt
 - Flere show commandoer
 - Nulstilling af counters og konfiguration
 - Genstarte

```
TKSW308>enable
Password:
TKSW308#show clock
16:33:00.706 CET+1 Sun Sep 21 2014
TKSW308#disable
TKSW308>[REDACTED]
```

"Global config mode"

- Ændre konfigurationsparametre
 - Alt det generelle
 - Hostname
 - Tids server
 - Password

```
TKSW308>enable
Password:
TKSW308#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
TKSW308(config)#hostname MinSwitch
MinSwitch(config)#exit
MinSwitch#
```

Interface konfigurering



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- Ændre egenskaber for interfacet
 - Beskrivelser
 - Duplex
 - Speed
 - Data VLAN
 - Shutdown

```
TKSW308 (config)#interface FastEthernet 0/1
TKSW308 (config-if)#description Demo
TKSW308 (config-if)#exit
```

Hjælp i configurationen



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■ Kontrollere kommandoer og syntax

```
TKSW308(config)#interface ?
  Async           Async interface
  BVI            Bridge-Group Virtual Interface
  CTunnel        CTunnel interface
  Dialer         Dialer interface
  FastEthernet   FastEthernet IEEE 802.3
```

```
TKSW308(config)#i
% Incomplete command.
```

```
TKSW308(config)#i ?
Global IP configuration subcommands:
  Async           Async interface
  BVI            Bridge-Group Virtual Interface
  CTunnel        CTunnel interface
  Dialer         Dialer interface
```

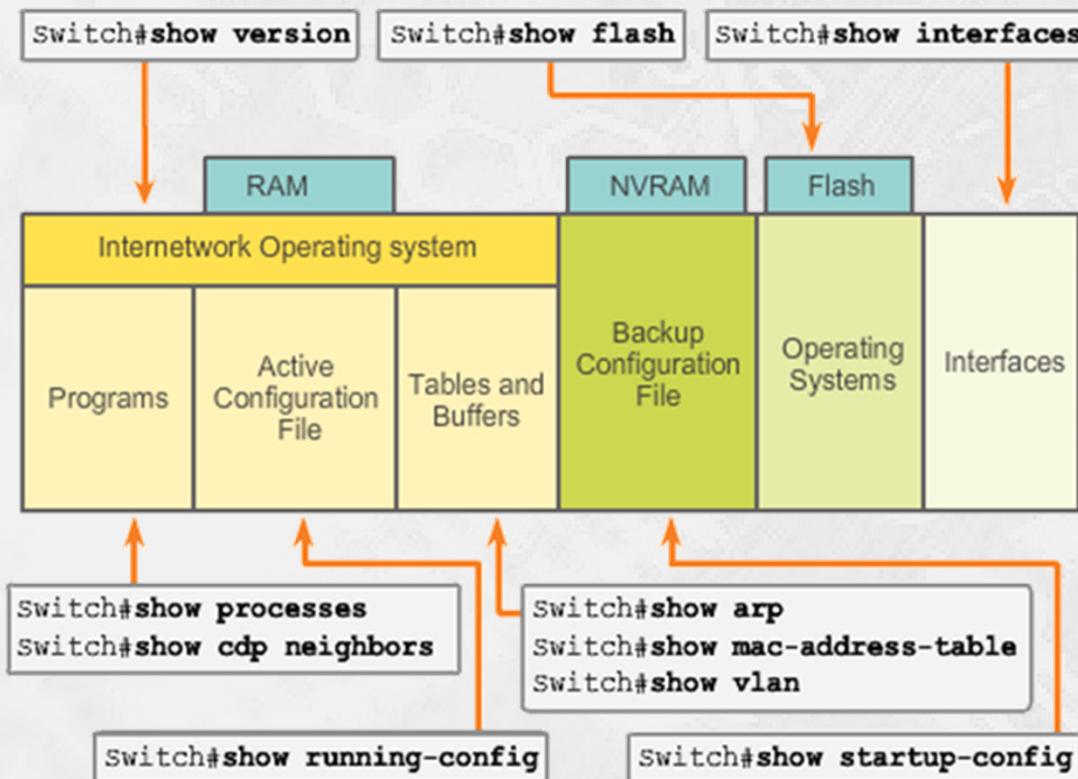
```
TKSW308(config)#interface fast 0/1
TKSW308(config-if)#[
```

```
TKSW308#c
% Ambiguous command: "c"
TKSW308#c?
cd    clear  clock  cns  configure
connect  copy
```

```
TKSW308#c[
```

"Show" kommandoer

- Viser et øjebliksbillede



Opgave

- Hent Putty med Ninite(ninite.com)
 - LibreOffice
 - Chrome
- Forbind med telnet 192.168.146.2
 - Password "cisco"
- Find versionsnummeret
 - Show version