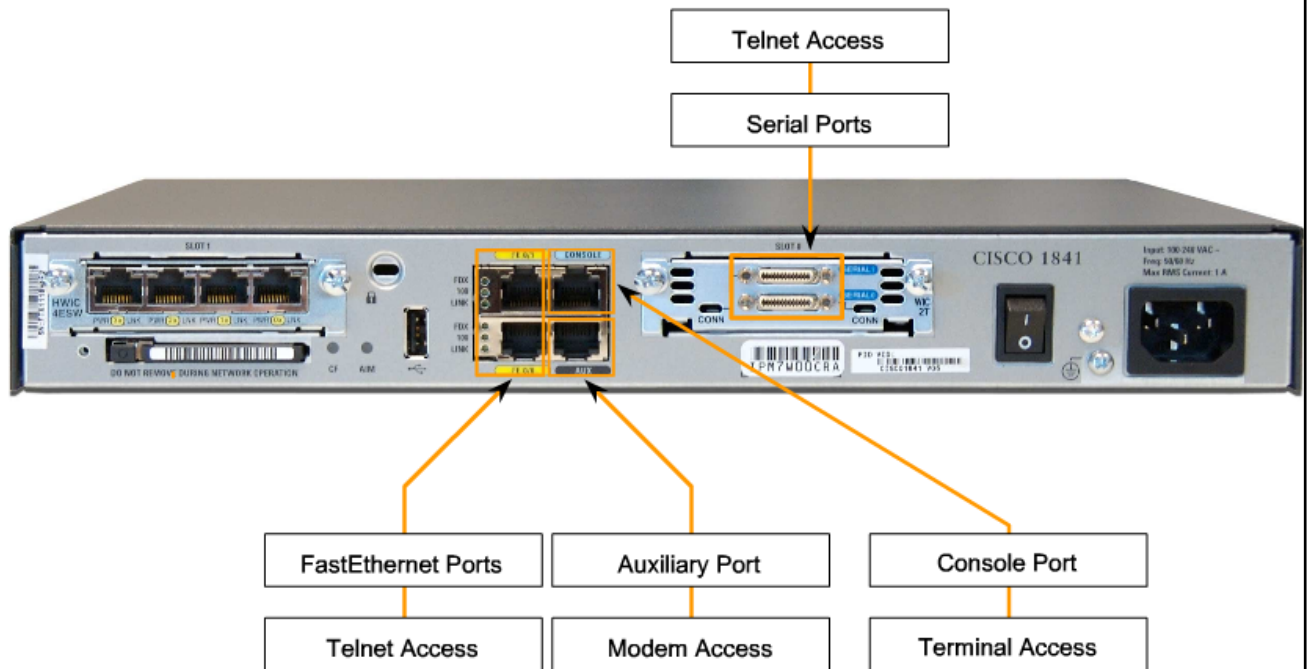


Uvod u rad na ruterima

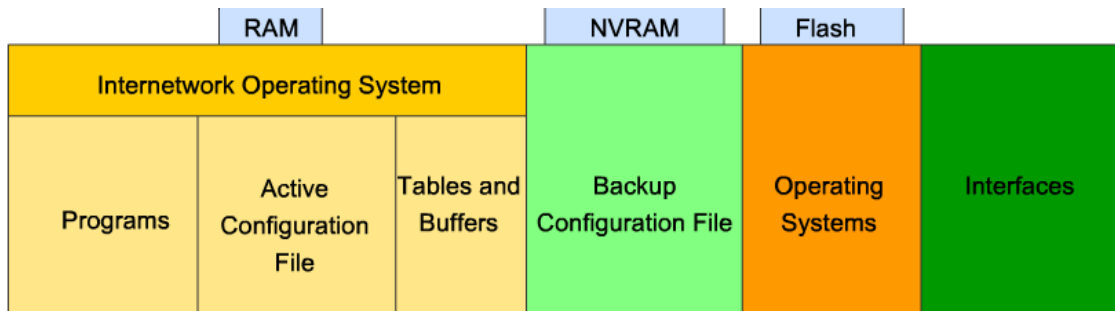
Ruter

RCUB



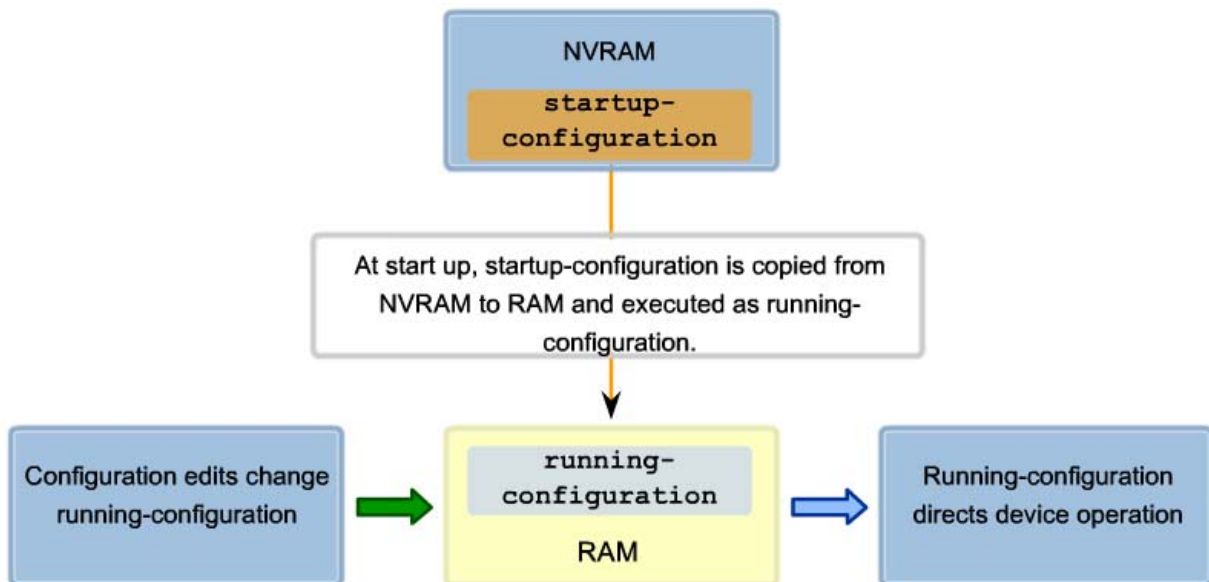
Memorije

RCUB



Konfiguracioni fajlovi

RCUB



Režimi rada

RCUB

```
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  
bri  
etc.
```

```
Interface Commands-Router(config-if)#
```

```
ip address  
shutdown/ no shutdown  
etc..
```

```
router rip  
ospf  
eig rp  
etc..
```

```
Routing Engine Commands-Router(config-router)#
```

```
network  
version  
auto summary  
etc...
```

```
line vty  
console  
etc.
```

```
Line Commands-Router(config-line)#
```

```
password  
login  
etc..
```

Command Prompt

RCUE

```
Router>ping 192.168.10.5  
Router#show running-config  
Router(config)#Interface FastEthernet 0/0  
Router(config-if)#ip address 192.168.10.1 255.255.255.0
```

```
Switch>ping 192.168.10.9  
Switch#show running-config  
Switch(config)#Interface FastEthernet 0/0  
Switch(config-if)#Description connection to WEST LAN4
```

CLI Help - Context-Sensitive Help

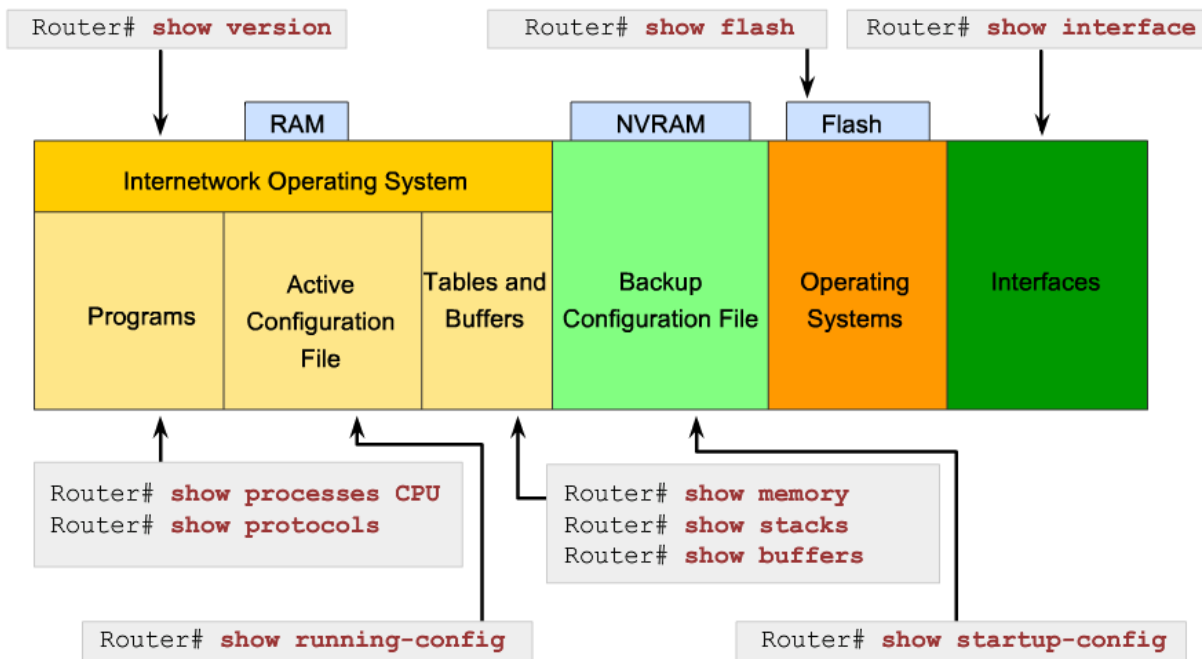
RCUE

```
Router(config-if)#?  
Interface configuration commands:  
  access-expression      Build a bridge boolean access expression  
  arp                    Set arp type (arpa, probe, snap) or timeout  
  auto                   Configure Automation  
  backup                 Modify backup parameters  
  bandwidth              Set bandwidth informational parameter
```

```
Router(config-if)#ip a?  
access-group  accounting      address  admission  
auth-proxy   authentication
```

```
Router(config-if)#ip address ?  
A,B,C,D      IP address  
dhcp         IP Address negotiated via DHCP  
pool         IP Address autoconfigured from a local DHCP pool
```


Komande za proveru statusa



Ime uređaja

RCUB

```
Router>  
Router>enable  
Router#  
Router#configure terminal  
Router(config)#hostname AtlantaHQ  
AtlantaHQ(config)#
```



Rad sa konfiguracionim fajlori

```
Router# show running-configuration
```

Lists the complete configuration currently active in RAM.

The active configuration can be copied to NVRAM.

```
version 12.2  
hostname Router  
  
!interface FastEthernet0/0  
  
no ip address  
duplex auto  
speed auto  
shutdown  
  
interface Serial0/0  
no ip address  
shutdown  
!  
interface Serial0/1  
no ip address
```

```
Router# copy running-configuration startup-configuration
```

Konfigurisanje interfejsa



```
Router(config)#interface type port  
Router(config)#interface type slot/port  
Router(config)#interface type slot/subslot/port
```

The following command is used to administratively turn off the interface:

```
Router(config-if)#shutdown
```

The following command is used to turn on an interface that has been shutdown:

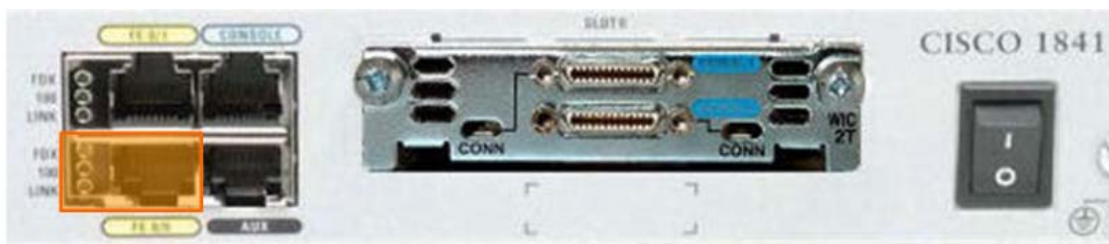
```
Router(config-if)#no shutdown
```

The following command is used to quit the current interface configuration mode:

```
Router(config-if)#exit
```

Konfigurisanje Ethernet interfejsa

RCUB



```
Router(config)#interface FastEthernet 0/0
Router(config-if)#ip address 192.168.10.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#
```

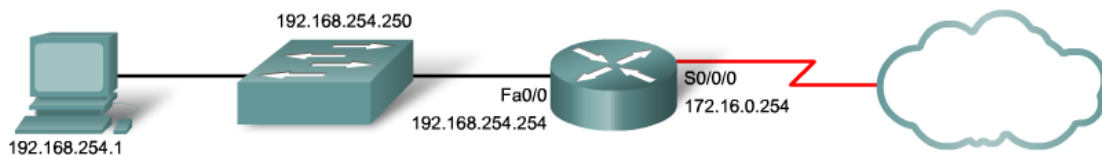
Provera interfejsa

RCUB

```
Router1#show ip interface brief
Interface      IP-Address      OK?  Method  Status          Protocol
FastEthernet0/0  192.168.254.254 YES  NVRAM   up              up
FastEthernet0/1/0 unassigned      YES  unset   down            down
Serial0/0/0     172.16.0.254   YES  NVRAM   up              up
Serial0/0/1     unassigned      YES  unset   administratively down down
```

Provera povezanosti

RCUB



```
Router1#ping 192.168.254.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.254.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms

Router1#traceroute 192.168.0.1
Type escape sequence to abort.
Tracing the route to 192.168.0.1
 0 172.16.0.253 8 msec 4 msec 8 msec
 1 10.0.0.254 16 msec 16 msec 8 msec
 2 192.168.0.1 16 msec * 20 msec
```

Extended Ping

RCUE

- Router#**ping**
- Protocol [ip]:
- Target IP address:10.0.0.1
- Repeat count [5]:
- Datagram size [100]:
- Timeout in seconds [2]:5
- Extended commands [n]: n