

```
Router> enable

Router# configuration terminal

Router(config)# hostname R2

R2(config)# line con 0

R2(config-line)# password Class!cR

R2(config-line)# login

R2(config-line)# exec-timeout 3 30

R2(config-line)# absolute-timeout 3

R2(config-line)# exit

R2(config)# enable secret S@rtR4set

R2(config)# service password-encryption

R2(config)# no ip domain-lookup

R2(config)# banner motd #
Unauthorized access is prohibited! #

R2(config)# ip domain-name server.com

R2(config)# crypto key generate rsa
How many bits in the modulus [512]: 1024

R2(config)# username Admin privilege 15 password Just4m"!

R2(config)# line vty 0 15

R2(config-line)# transport input ssh

R2(config-line)# login local

R2(config-line)# exec-timeout 3 30
```

```
R2(config-line)# absolute-timeout 3
```

```
R2(config-line)# exit
```

```
R2(config)# security password min-length 10
```

```
R2(config)# interface G0/0
```

```
R2(config-if)# ip address 172.16.32.1 255.255.240.0
```

```
R2(config-if)# description Ethernet connection to S2 VLAN 1
```

```
R2(config-if)# no shutdown
```

```
R2(config-if)# exit
```

```
R2(config)# interface S0/1/0
```

```
R2(config-if)# ip address 172.16.52.1 255.255.255.252
```

```
R2(config-if)# description Serial connection to R1 S0/10
```

```
R2(config-if)# clock rate 128000
```

```
R2(config-if)# no shutdown
```

```
R2(config-if)# exit
```

```
R2(config)# interface S0/1/1
```

```
R2(config-if)# ip address 172.16.52.5 255.255.255.252
```

```
R2(config-if)# description Serial connection to R2 S0/1/0
```

```
R2(config-if)# clock rate 128000
```

```
R2(config-if)# no shutdown
```

```
R2(config-if)# exit
```

```
R2(config)# ip dhcp excluded-address 172.16.32.1 172.16.32.10
```

```
R2(config)# ip dhcp pool R2

R2(dhcp-config)# network 172.16.32.0 255.255.240.0

R2(dhcp-config)# domain-name server.com

R2(dhcp-config)# default-router 172.16.32.1

R2(dhcp-config)# dns-server 172.16.48.3

R2(dhcp-config)# exit

R2(config)# router rip

R2(config-router)# version 2

R2(config-router)# network 172.16.32.0

R2(config-router)# network 172.16.52.0

R2(config-router)# network 172.16.52.4

R2(config-router)# no auto-summary

R2(config-router)# exit

R2(config)# login block-for 180 attempts 3 within 120

R2(config)# interface G0/1

R2(config-if)# description Not in use

R2(config-if)# shutdown

R2(config-if)# end

R2# copy run start
```