Router 2

**Ricardo Pulido / Sara
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Configuração de IPs / Login

```
Router>enable
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname Router2
Router2(config)#line console 0
Router2(config-line)#password cisco
Router2(config-line)#login
Router2(config-line)#exit
Router2(config)#line vty 0 15
Router2(config-line)#password cisco
Router2(config-line)#login
```

```
Interface              IP-Address      OK? Method Status                 Protocol
FastEthernet0/0        unassigned      YES NVRAM  administratively down down
FastEthernet0/1        unassigned      YES manual up                    down
Serial0/1/0            10.20.20.5      YES NVRAM  up                     up
Serial0/1/1            10.10.10.1      YES manual up                     up
Router2#
```

Logout

```
Router2 con0 is now available



Press RETURN to get started.

```

Reload / Login

```
User Access Verification

Password:
Router2>enable
Router2#show ip int br
Interface              IP-Address      OK? Method Status                 Protocol
FastEthernet0/0        unassigned      YES NVRAM  administratively down down
FastEthernet0/1        10.10.10.2      YES manual up                    down
Serial0/1/0            10.20.20.5      YES manual down                  down
Serial0/1/1            unassigned      YES unset  administratively down down
Router2#write
Building configuration...
[OK]
Router2#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router2#reload
Proceed with reload? [confirm]

*Jan  1 01:23:35.335: %SYS-5-RELOAD: Reload requested by console. Reload Reason: Reload Command.
System Bootstrap, Version 12.4(13r)T, RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 2006 by cisco Systems, Inc.
PLD version 0x10
GIO ASIC version 0x127
c2801 platform with 131072 Kbytes of main memory
Main memory is configured to 64 bit mode with parity disabled
```

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OSPF

```
Enter configuration commands, one per line.  End with CNTL/Z.
Router2(config)#router ospf 1
Router2(config-router)#network 10.10.10.0 0.0.0.3 area 0
Router2(config-router)#network 10.20.20.4 0.0.0.3 area 0
Router2(config-router)#exit
Router2(config)#end
Router2#write
*Jan  1 01:34:39.947: %SYS-5-CONFIG_I: Configured from console by console
Building configuration...
[OK]
```

```
Gateway of last resort is not set

     192.168.200.0/25 is subnetted, 1 subnets
O       192.168.200.128 [110/1563] via 10.20.20.6, 00:02:15, Serial0/1/0
     10.0.0.0/30 is subnetted, 3 subnets
O       10.30.30.8 [110/1562] via 10.20.20.6, 00:02:15, Serial0/1/0
C       10.10.10.0 is directly connected, Serial0/1/1
C       10.20.20.4 is directly connected, Serial0/1/0
     192.168.100.0/25 is subnetted, 1 subnets
O       192.168.100.0 [110/782] via 10.10.10.2, 00:02:15, Serial0/1/1
Router2#
```

```
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.30.30.10, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 28/29/32 ms
Router2#ping 192.168.200.254

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.200.254, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 28/28/28 ms
Router2#
```

NAT

```
Gateway of last resort is 0.0.0.0 to network 0.0.0.0

     192.168.229.0/32 is subnetted, 1 subnets
S       192.168.229.2 [254/0] via 192.168.168.254, FastEthernet0/0
     192.168.200.0/25 is subnetted, 1 subnets
O       192.168.200.128 [110/1563] via 10.20.20.6, 00:52:01, Serial0/1/0
     10.0.0.0/30 is subnetted, 3 subnets
O       10.30.30.8 [110/1562] via 10.20.20.6, 00:52:01, Serial0/1/0
C       10.10.10.0 is directly connected, Serial0/1/1
C       10.20.20.4 is directly connected, Serial0/1/0
C    192.168.168.0/24 is directly connected, FastEthernet0/0
     192.168.100.0/25 is subnetted, 1 subnets
O       192.168.100.0 [110/782] via 10.10.10.2, 00:52:01, Serial0/1/1
S*   0.0.0.0/0 is directly connected, FastEthernet0/0
```

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```
pulido@PortatilPulido:~$ ifconfig
eno1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.100.23  netmask 255.255.255.128  broadcast 192.168.100.127
        inet6 fe80::5ba7:4c90:9793:d2b9  prefixlen 64  scopeid 0x20<link>
        ether 48:9e:bd:31:11:06  txqueuelen 1000  (Ethernet)
        RX packets 6  bytes 955 (955.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 123  bytes 13048 (13.0 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```