

```
cisco 2811 (MPC860) processor (revision 0x200) with 60416K/5120K bytes of memory
Processor board ID JAD05190MTZ (4292891495)
2 FastEthernet interface(s)
DRAM configuration is 64 bits wide with parity disabled.
255K bytes of non-volatile configuration memory.
249856K bytes of ATA System CompactFlash 0 (Read/Write)
```

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

```
Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname RPrincipal
RPrincipal(config)#interface fastEthernet 0/0
RPrincipal(config-if)#ip addr 192.168.0.1 255.255.248.0
RPrincipal(config-if)#no shutdown

RPrincipal(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

RPrincipal(config-if)#exit
RPrincipal(config)#ip dhcp pool Upchiapas
RPrincipal(dhcp-config)#network 192.168.0.0 255.255.248.0
RPrincipal(dhcp-config)#default-router 192.168.0.1
RPrincipal(dhcp-config)#dns-server 8.8.8.8
RPrincipal(dhcp-config)#
RPrincipal#
%SYS-5-CONFIG_I: Configured from console by console

RPrincipal#wr
Building configuration...
[OK]
RPrincipal#
```

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Notación prefija: /21

Rango de hosts: 2048 direcciones IP ( $2^{11}$ )

Número de hosts utilizables: 2046 hosts (2048 - 2, ya que una dirección es para la red y otra para broadcast).