ipconfig

```
PC>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.....: FE80::2D0:BCFF:FE77:4599
   IP Address.....: 192.168.0.2
   Subnet Mask.....: 255.255.255.248
   Default Gateway.....: 192.168.0.1
```

ipconfig /all

```
PC>ipconfig /all

FastEthernet0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Physical Address.....: 00D0.BC77.4599
   Link-local IPv6 Address.....: FE80::2D0:BCFF:FE77:4599
   IP Address.....: 192.168.0.2
   Subnet Mask.....: 255.255.255.248
   Default Gateway.....: 192.168.0.1
   DNS Servers.....: 0.0.0.0
   DHCP Servers.....: 0.0.0.0
   DHCPv6 Client DUID.....: 00-01-00-01-BA-7E-75-1E-00-D0-BC-77-45-99
```

tracert [IP]

```
PC>tracert 192.168.0.18

Tracing route to 192.168.0.18 over a maximum of 30 hops:

  1    1 ms      0 ms      0 ms      192.168.0.1
  2    1 ms      0 ms      0 ms      200.200.0.2
  3    2 ms      0 ms      1 ms      200.200.0.6
  4    1 ms      1 ms      2 ms      192.168.0.18

Trace complete.
```

-d Especifica que no se resuelvan las direcciones en nombres de host

-h n_max_saltos Especifica el número máximo de saltos para alcanzar el destino

-j lista-host Especifica la ruta de origen a lo largo de la lista de hosts

-w tiempo_espera Espera el número de milisegundos especificados en tiempo_espera para cada respuesta

host_destino Especifica el nombre o la dirección IP del host de destino

ping [IP]

```
PC>ping 192.168.0.18

Pinging 192.168.0.18 with 32 bytes of data:

Reply from 192.168.0.18: bytes=32 time=3ms TTL=125
Reply from 192.168.0.18: bytes=32 time=3ms TTL=125
Reply from 192.168.0.18: bytes=32 time=2ms TTL=125
Reply from 192.168.0.18: bytes=32 time=3ms TTL=125

Ping statistics for 192.168.0.18:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 3ms, Average = 2ms
```

Se envían 4 paquetes, si es la primera vez que se envía a esa subred, el primer paquete da un “request time out”, caso contrario, se envió normalmente, 4 paquetes exitosos

show run (sh running-congif)

Tira un resumen de la información de configuración inicial del router

```
ARGENTINA#sh running-config
Building configuration...

Current configuration : 916 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname ARGENTINA
!
no ip cef
no ipv6 cef
!
spanning-tree mode pvst
!
interface FastEthernet0/0
 ip address 192.168.0.1 255.255.255.248
 duplex auto
 speed auto
!
interface FastEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Serial0/0/0
 ip address 200.200.0.1 255.255.255.252
!
interface Serial0/0/1
 ip address 200.200.0.10 255.255.255.252
!
interface Vlan1
 no ip address
 shutdown
!
router rip
!
ip classless
ip route 192.168.0.8 255.255.255.248 200.200.0.2
ip route 192.168.0.16 255.255.255.248 200.200.0.2
ip route 200.200.0.4 255.255.255.252 200.200.0.2
ip route 192.168.0.24 255.255.255.248 200.200.0.9
!
ip flow-export version 9
!
line con 0
!
line aux 0
!
line vty 0 4
 login
!
!
!
end
```

show ip route

```
ARGENTINA#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

     192.168.0.0/29 is subnetted, 4 subnets
C       192.168.0.0 is directly connected, FastEthernet0/0
S       192.168.0.8 [1/0] via 200.200.0.2
S       192.168.0.16 [1/0] via 200.200.0.2
S       192.168.0.24 [1/0] via 200.200.0.9
     200.200.0.0/30 is subnetted, 3 subnets
C       200.200.0.0 is directly connected, Serial0/0/0
S       200.200.0.4 [1/0] via 200.200.0.2
C       200.200.0.8 is directly connected, Serial0/0/1
```

RIP en el cisco pacjket tracer tengo RIP1 que no identifica subredes

```
ARGENTINA(config)#router rip
ARGENTINA(config-router)#network 192.168.0.0
ARGENTINA(config-router)#
```

router rip

activa la configuración

network [IP]

publica la red a la conexion