## Static and Default Route

Configure default route, static route to the Router

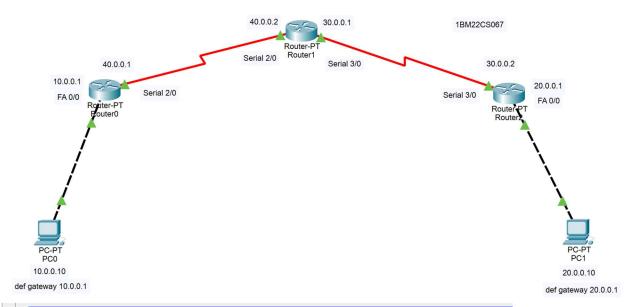
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	Configure default nearly state nearly to the Houter
de de la	Ami To demonstak state and default roak using 3 months and 2 Rs
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	with Cis as Pockel Trocker
	I 2 end devices and 3 noutres.
3 (00	noche PCO to Router D and PCI to louter 2 variety
	tor crown - oxo
Mas (Com	ied Route Dto Router 21 ving Sorial DCE 210
ano	Router I to Router 2 using Serial DCE 310
	ronfy on device -> ip address
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	RC1 200010 255000
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1 act	PCD 10001
As January 1	PC1: 200.0.1

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Date Page	
Route 2 -> CLI->	
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config terminal	
10th face Serial 310	
1º address 30002 255000	
(3) & State Routen on Router 1 ->	
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nonfig terminal	
10 routes 1000.1 25000 40001	
10 Noute 20.0.0.1 255 0.0.0 30.0.0.2	
COOR PAIN	
@ Default Route on Router 0 and router 2-3	
3/10/19	
config faminal	
10 route 0000 0000 40002	
1	
· enable	
config terminal	
10 vonte 0000 0000 30001	
CAM CAM	
10 Select PCO -) Desklop-> Commond Mompl -> ping	
10) Select PCO -) Desktop-> Commond Mompl -> ping msg to PCI and other Routers.	
The state of the s	
	THE REAL PROPERTY.
	100
Outside the house of the thing	-
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Observation +  After all the connection done when we tay to plug  may from PCO to PCI and other Routers for  PCI Crestration nort anneartable) for Routers  and Router I Chapter Sent = 4 Recreed & dots  for Router O C Rockets Sent = 4 Recreed & dots  as it is directly connected through Captor crops for
Ping 200010  Sahnahun nert unroadable x4  leconed =0 Kort =4  Ping 30.0.0.2  lequal homed out x4  Recired =0 Kort = 4
Sent -4 Recived -4 Kast -0  So we have to manually to connect all the devices to each other. This is shown in point (7)
Prog 20.0.0.10  Prent - 4 Recived = 04 Kort = 0  Prog 30.0.0.2  Sent = 4 Record
Sent = 4 Recived = 4 dost = 0  Fing 30 0.0.1  Sent = 4 Recived = 4 dost = 0

	Date Page
brod	Rooking has been observed as follows for Routers:
out of	C 10.0.0018 is doolly contribed. Facility thank 1010 C 40.00018 is duritly contribed. Social 210 S* 0.00010 \$1107 was 40.002
10	Posting has been observed as follows for Powers:
	S 1000018 1210) 410 40001 S 20.00018 (210) 410 50002 C 30.00018 15 distriby aconsocied Sonal 310 C 4000018 15 distriby consocied, Sonal 210
	Example the been observed as follows for early 2:
23/10/34	C 30.0.018 is directly connected fast & thornet 110 C 30.0.018 is directly connected solid 310 S 0.0.0010 (110) via 300.03



## Command Prompt

```
C:\>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Reply from 10.0.0.1: Destination host unreachable.
Ping statistics for 20.0.0.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 30.0.0.2
Pinging 30.0.0.2 with 32 bytes of data:
Reply from 10.0.0.1: Destination host unreachable.
Ping statistics for 30.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 30.0.0.1
Pinging 30.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Request timed out.
Reply from 10.0.0.1: Destination host unreachable.
Ping statistics for 30.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

```
C:\>ping 10.0.0.1
    Pinging 10.0.0.1 with 32 bytes of data:
    Reply from 10.0.0.1: bytes=32 time<1ms TTL=255
    Ping statistics for 10.0.0.1:
         Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
    C:\>
  Router#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 40.0.0.2 to network 0.0.0.0
      10.0.0.0/8 is directly connected, FastEthernet0/0
 C
       40.0.0.0/8 is directly connected, Serial2/0
      0.0.0.0/0 [1/0] via 40.0.0.2
 Router#
Router#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
       {\tt E1} - OSPF external type 1, {\tt E2} - OSPF external type 2, {\tt E} - {\tt 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
     10.0.0.0/8 [1/0] via 40.0.0.0
S
     20.0.0.0/8 [1/0] via 30.0.0.2
     30.0.0.0/8 is directly connected, Serial3/0
C
     40.0.0.0/8 is directly connected, Serial2/0
```

Router#

```
Router#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 30.0.0.1 to network 0.0.0.0

C 20.0.0.0/8 is directly connected, FastEthernet0/0
C 30.0.0.0/8 is directly connected, Serial3/0
S* 0.0.0.0/0 [1/0] via 30.0.0.1

Router#
```

## Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.10: bytes=32 time=23ms TTL=125
Reply from 20.0.0.10: bytes=32 time=2ms TTL=125
Reply from 20.0.0.10: bytes=32 time=22ms TTL=125
Ping statistics for 20.0.0.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 2ms, Maximum = 23ms, Average = 15ms
C:\>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Reply from 20.0.0.10: bytes=32 time=58ms TTL=125
Reply from 20.0.0.10: bytes=32 time=23ms TTL=125
Reply from 20.0.0.10: bytes=32 time=56ms TTL=125
Reply from 20.0.0.10: bytes=32 time=25ms TTL=125
Ping statistics for 20.0.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 23ms, Maximum = 58ms, Average = 40ms
C:\>ping 30.0.0.2
Pinging 30.0.0.2 with 32 bytes of data:
Reply from 30.0.0.2: bytes=32 time=31ms TTL=253
Reply from 30.0.0.2: bytes=32 time=21ms TTL=253
Reply from 30.0.0.2: bytes=32 time=20ms TTL=253
Reply from 30.0.0.2: bytes=32 time=2ms TTL=253
Ping statistics for 30.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 2ms, Maximum = 31ms, Average = 18ms
```

```
C:\>ping 30.0.0.1
Pinging 30.0.0.1 with 32 bytes of data:
Reply from 30.0.0.1: bytes=32 time=39ms TTL=254 Reply from 30.0.0.1: bytes=32 time=26ms TTL=254
Reply from 30.0.0.1: bytes=32 time=28ms TTL=254
Reply from 30.0.0.1: bytes=32 time=14ms TTL=254
Ping statistics for 30.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
     Minimum = 14ms, Maximum = 39ms, Average = 26ms
C:\>ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data:
Reply from 40.0.0.1: bytes=32 time<1ms TTL=255
Ping statistics for 40.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
     Minimum = 0ms, Maximum = 0ms, Average = 0ms
```