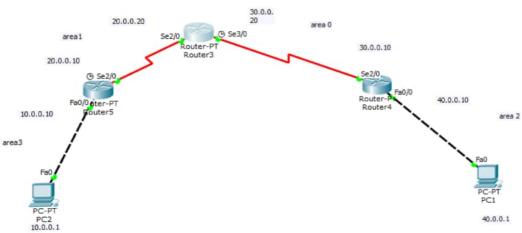
In Router 1 R1,
OLC STATE OSOL
To the second of
Di Continue de la la contra la contr
RI (config - xouler) II reluxore 20.0.0.0 0.255.255 ares
RI (config-router)# ouit
Pn Rater R2,
22 (config)# router osps / 22 (config - routes)# nouter-id 2.2.2.2
R2 (config-routes)# network 20.0.0.0 0.255.255.255 ores
R2 (config-routes)# network 30.0.0.0 0.255.255.255 area 0
R& (config-router)# enut
En Route R3,
R3 (config) # stoute ospf 1
R3 (config-noute) # router-id 3.3.3.3 R3 (config-router) # notwork 30.0.0.0 0.255.255.255 area 0
R3 (config-router) # notwork 30.0.0.0 0.255.255.255 area 0
Toutes) # network 10.0.0.0 0.255, 255
RS (config-router) # enit
The second secon

the state of the s	
g set the interface loop back	ate
RIC config-is)# interface loopback O	
RIC config-ig)# interfare loopback 0 RIC config-ig)# ip address 172.16.1.252 255.255.255.0	
RI(config-y) # nos shutdown	
R2 (config-y) H interface loophach	
R2 (config-y) # interface loophacho R2 (config-y) # ip address 172.16.1.253 255.255.255.0 R2 (config-y) # no shuldows	
The Confid of the state of the	
R3 (config-y) # interfore loop back O	
23 (config-y) # ip address 142.16.1.254 255.255-255-0	5
R3 (config - iy) # 10 shuldown	0
	.3
Pl Router RI,	0
RI (config-routes) # areal virtual link 2.2.2.2	
Tongig nouse I to dear the day of a	
In Router P2,	-
R2(config)## mouter ospf!	u
R2 (config - router) # areal viotual link 1.1.1.1	0
R2 (config-roules) # exit.	
A STATE OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF T	-
After this show 2P route, it should	
show all 4	

erie:	
Result:	
Redult:	
PC \ A	
PC > bing 40.0.0.10	
penging 40.0.0.10 with 22 h.t.	-
	-76
Reply from 40.0.0:10 laste 30 1:	1
Reply from 40.0.0.10 bytes=32 time = 2mg TTL= 125	
Reply from 40.0.0.10 bytes = 32 time = 9me 9Th = 125	07/
Ring statistics for 40.0.0.10:	
racoels aent = 4 Day	PY
	3/3/
Minimum = 2 ms, Maximum = 10ms, diserage = 7 ms	
Router 1:	
show ip soute	
0 PA 10.0.0.0/8 (10/65) 20.0.0.) 00:00:)1 david 2/0	
sugar etted	
all all commanded	
30-0.0.0/8 is variably connected, serial 12/0	
30-0.0.0/8 is variable subnetted screen 12/8	
30.0.0.0/8 is directly connected, Serry 3/2	
30.00.0/32 is doieth connected, serial 3/0	
D TA 40. 0.0.0/8 (110/65) via 30.0.0.2	
177 · 16 · 0 · 0 / 1 / 15 / 18 30 · 0.0. 2	
172.16.0.0(16 is duell corrected, hoopback)	

	Date:
	Observation:
_	RIDA in Botting I
	OSPF in Open Storted Path Pirst. 4 is a
	protocal which finals the last routing puth
	between source and destination router of 2t
	uses its oven shortest gath algorithms.
%	Networks are disided into areas. Bushone (mest)
	Jam one of the OSPF naturars other Network
	we connected to the backbone
Pha	
13/3/2	
-	
-	
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```
Packet Tracer PC Command Line 1.0

PC>ping 40.0.0.1

Pinging 40.0.0.1 with 32 bytes of data:

Reply from 40.0.0.1: bytes=32 time=2ms TTL=253

Reply from 40.0.0.1: bytes=32 time=2ms TTL=253

Reply from 40.0.0.1: bytes=32 time=2ms TTL=253

Reply from 40.0.0.1: bytes=32 time=20ms TTL=253

Ping statistics for 40.0.0.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 2ms, Maximum = 20ms, Average = 6ms

PC>
```