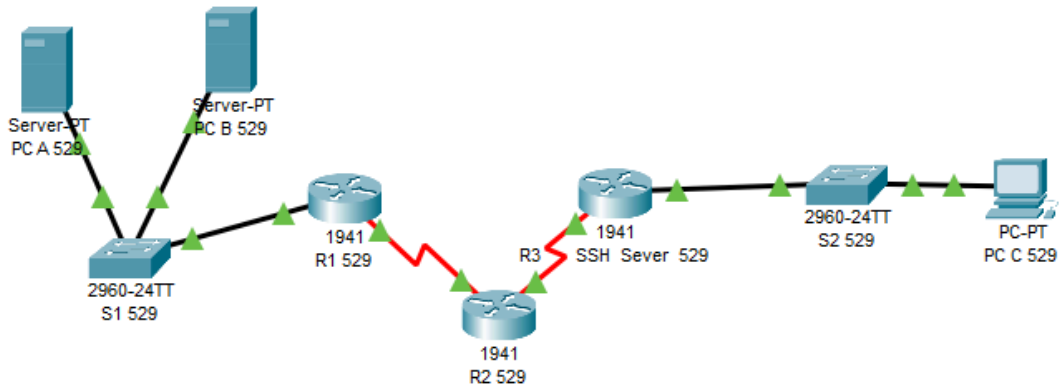
PRACTICAL 1
Packet Tracer - Configure Cisco Routers for Syslog, NTP, and SSH Operations

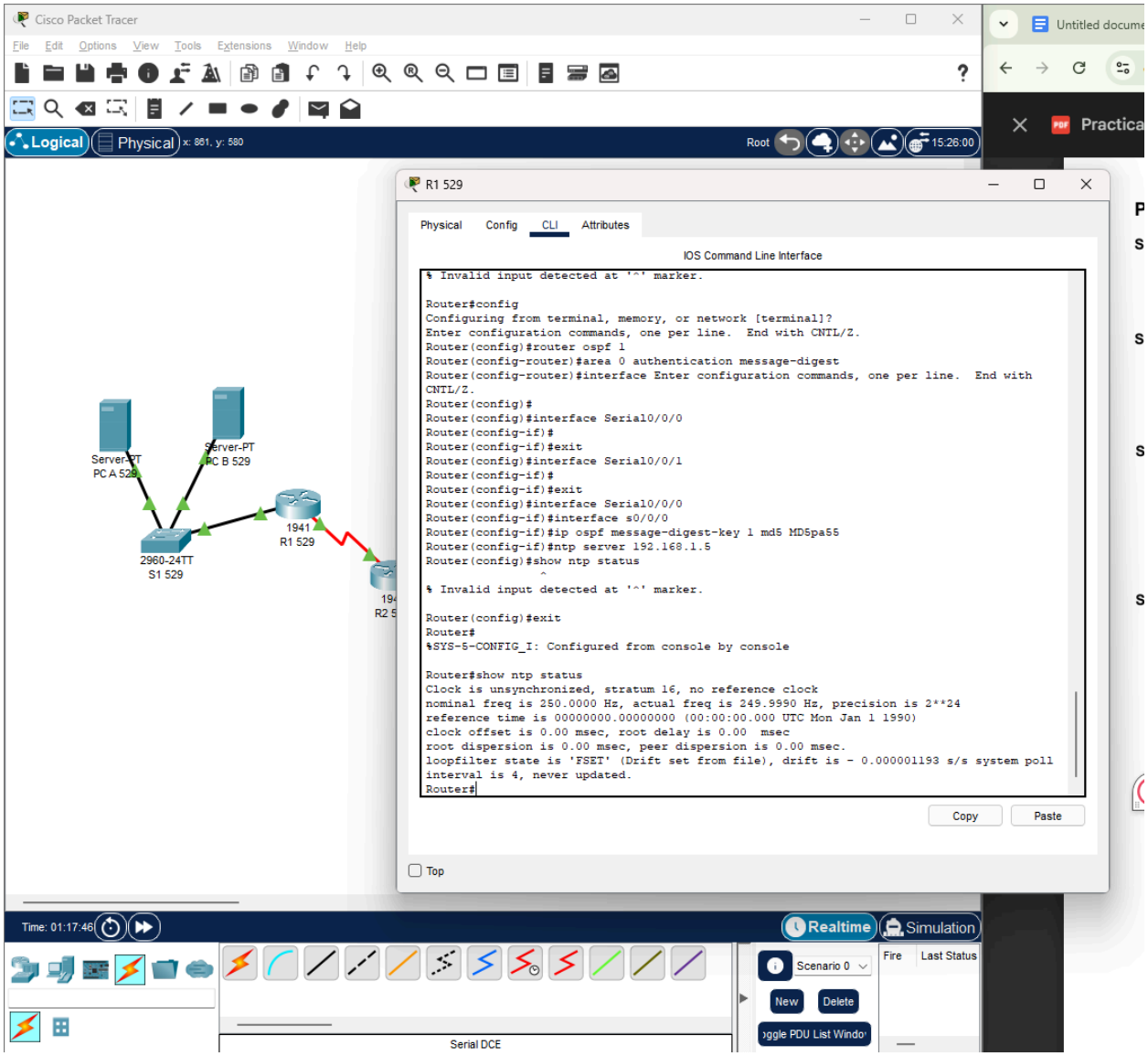
Topology:



Addressing Table

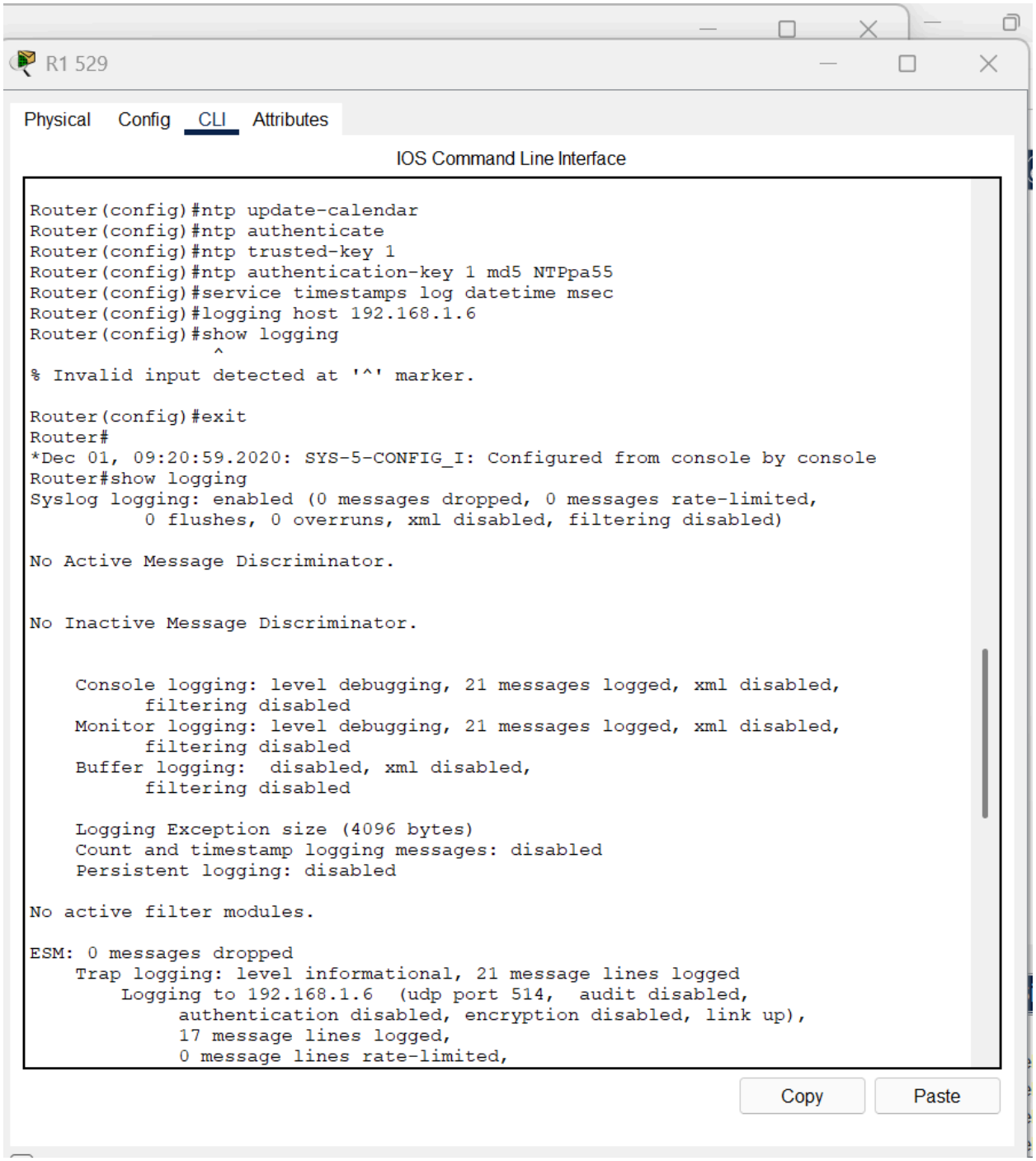
Device	Interface	IP Address	Subnet Mask	Default Gateway	Switch Port
R1	G0/1	192.168.1.1	255.255.255.0	N/A	S1 F0/5
	S0/0/0 (DCE)	10.1.1.1	255.255.255.252	N/A	N/A
R2	S0/0/0	10.1.1.2	255.255.255.252	N/A	N/A
	S0/0/1 (DCE)	10.2.2.2	255.255.255.252	N/A	N/A
R3	G0/1	192.168.3.1	255.255.255.0	N/A	S3 F0/5
	S0/0/1	10.2.2.1	255.255.255.252	N/A	N/A
PC-A	NIC	192.168.1.5	255.255.255.0	192.168.1.1	S1 F0/6
PC-B	NIC	192.168.1.6	255.255.255.0	192.168.1.1	S2 F0/18
PC-C	NIC	192.168.3.5	255.255.255.0	192.168.3.1	S3 F0/18

Part 1: Configure OSPF MD5 Authentication

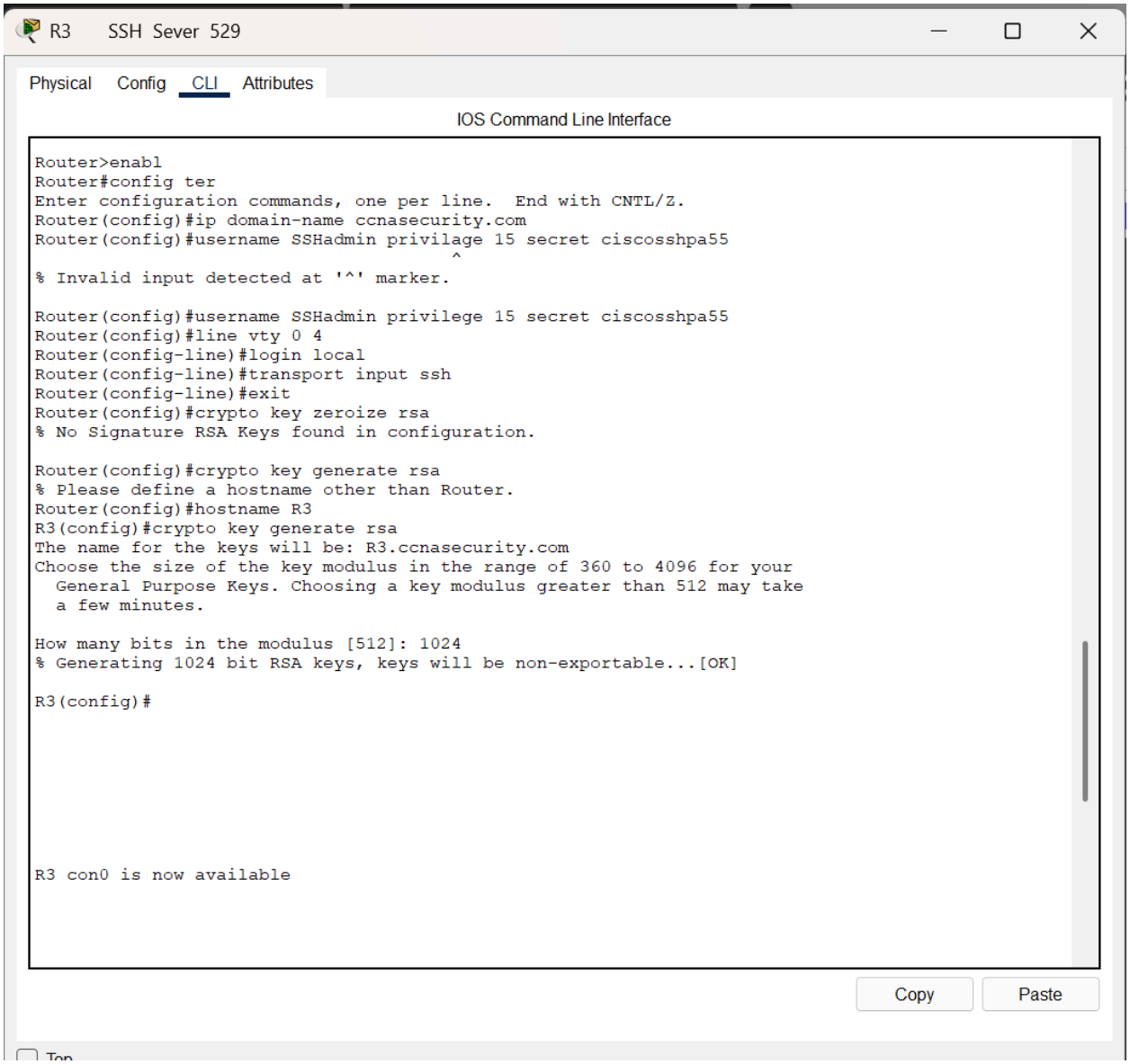


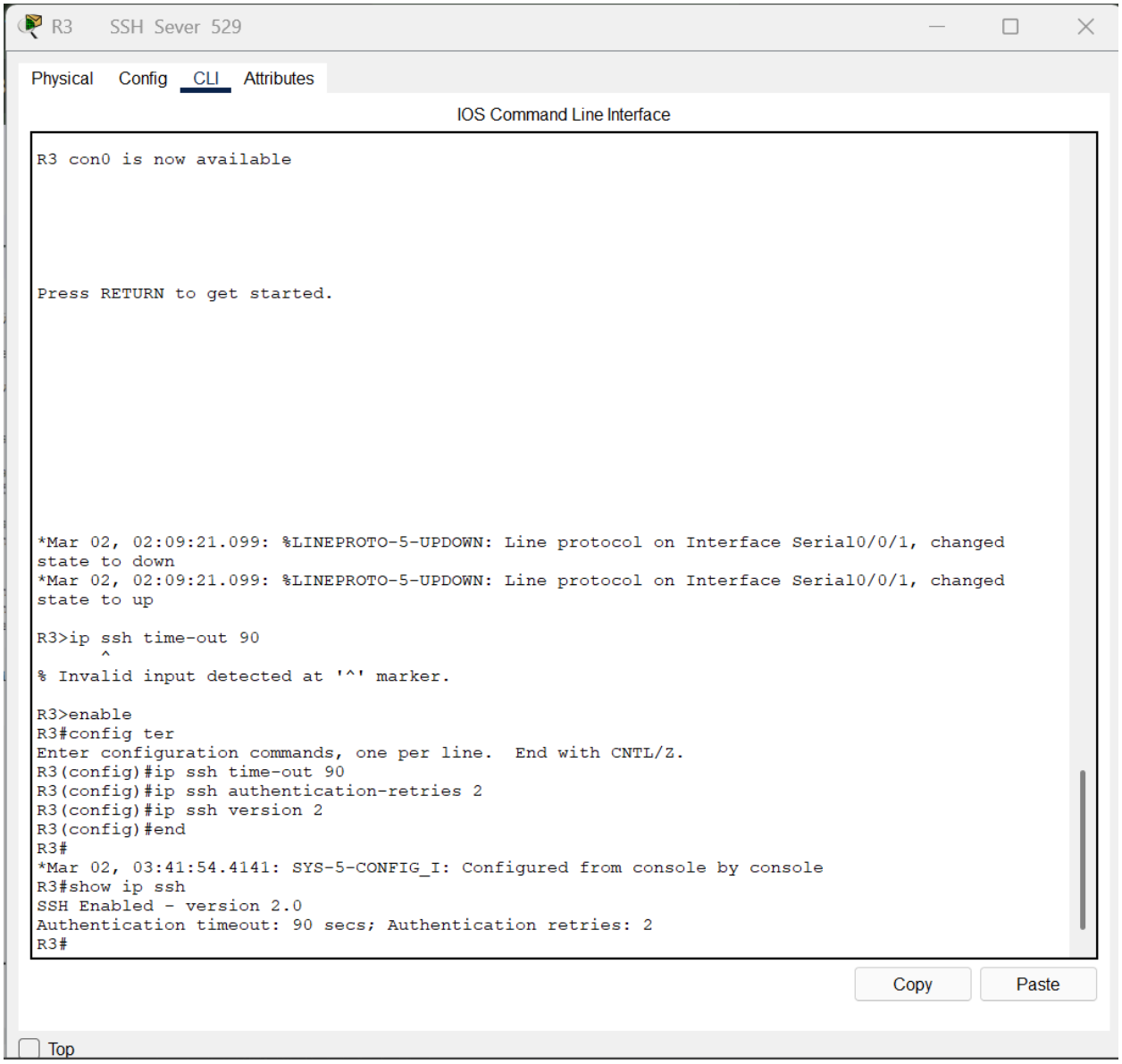
Part 2: Configure NTP

Part 3: Configure Routers to Log Messages to the Syslog Server



Part 4: Configure R3 to Support SSH Connections




R3 SSH Sever 529
Physical Config CLI Attributes
IOS Command Line Interface
R3 con0 is now available
Press RETURN to get started.
*Mar 02, 02:09:21.099: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to down
*Mar 02, 02:09:21.099: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up
R3>ip ssh time-out 90
^
% Invalid input detected at '^' marker.
R3>enable
R3#config ter
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#ip ssh time-out 90
R3(config)#ip ssh authentication-retries 2
R3(config)#ip ssh version 2
R3(config)#end
R3#
*Mar 02, 03:41:54.4141: SYS-5-CONFIG_I: Configured from console by console
R3#show ip ssh
SSH Enabled - version 2.0
Authentication timeout: 90 secs; Authentication retries: 2
R3#
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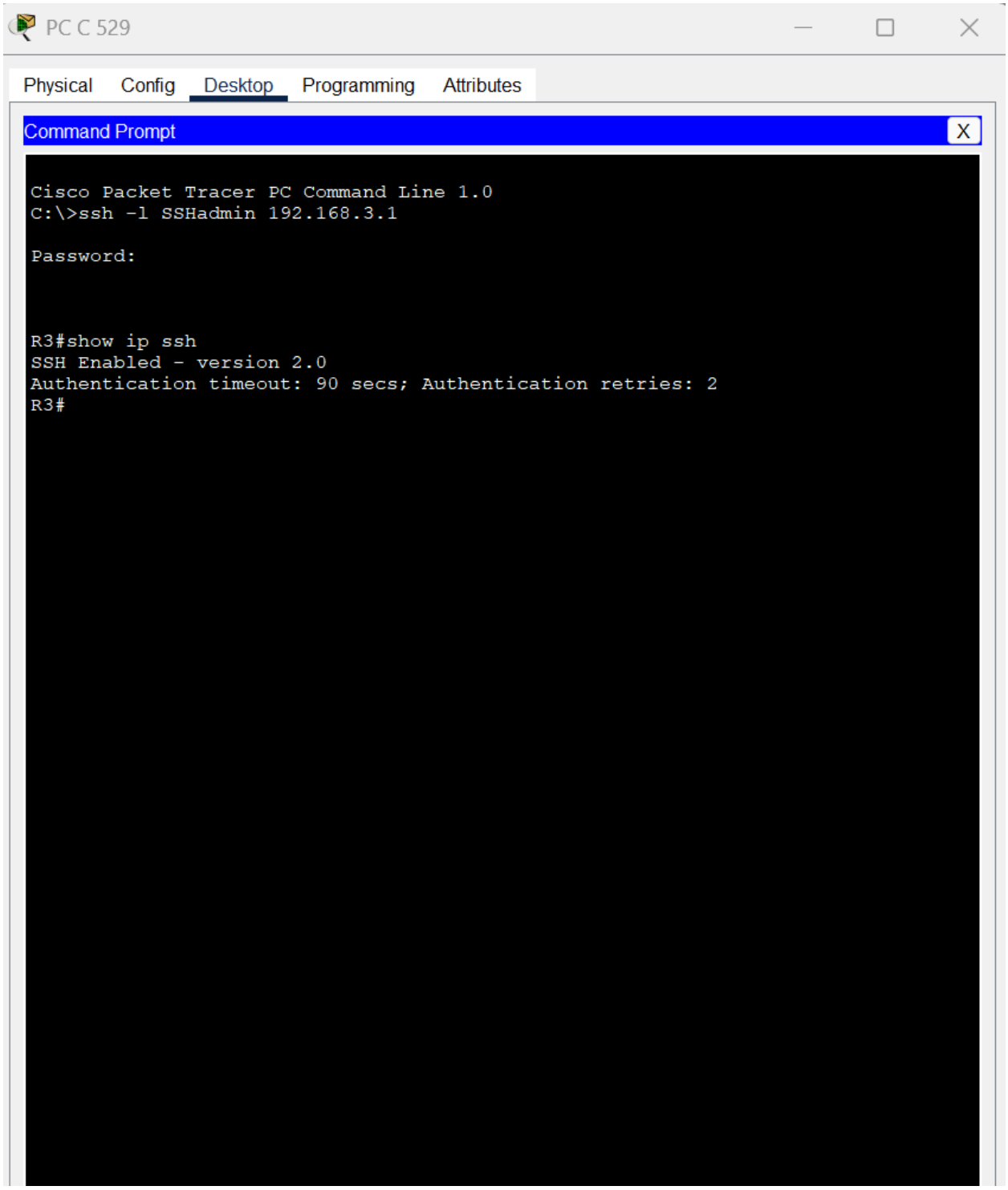
PC C 529
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ssh -l SSHadmin 192.168.3.1
Password:
R3#show ip ssh
SSH Enabled - version 2.0
Authentication timeout: 90 secs; Authentication retries: 2
R3#