□ Тор

Physical Desktop Programming Attributes

- O X

```
erminal
  enable
             Turn on privileged commands
  exit
             Exit from the EXEC
             Exit from the EXEC
  logout
             Send echo messages
  ping
             Resume an active network connection
  resume
             Show running system information
  show
  ssh
             Open a secure shell client connection
  telnet
             Open a telnet connection
  terminal
             Set terminal line parameters
  traceroute Trace route to destination
S1>te
S1>enable
S1#c?
clear clock configure connect copy
S1#cong
S1#conf
S1#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
S1(config) #exit
S1#
%SYS-5-CONFIG_I: Configured from console by console
conf
Sl#show clock
*11:14:59.563 UTC Mon Mar 1 1993
S1#clock
% Incomplete command.
Sl#clock ?
 set Set the time and date
Sl#clock clock set ?
% Unrecognized command
Sl#clock clock set?
% Unrecognized command
Sl#clock set?
Sl#clock set ?
 hh:mm:ss Current Time
S1#clock set
% Incomplete command.
S1#clock set 15:00:00 ?
 <1-31> Day of the month
 MONTH Month of the year
S1#clock set 15:00:00 31 Jan 2035
S1#c1
S1#cl
S1#c1?
clear clock
S1#clock
% Incomplete command.
S1#clock set 25:00;00
% Invalid input detected at '^' marker.
         clock set 25:00:00
```

```
IOS Command Line Interface
copy r
Sl#copy running-config s
Sl#copy running-config st
Sl#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
 S1#c?
clear clock configure connect copy
S1#cco?
% Unrecognized command
S1#co?
 configure connect copy
S1#cop?
copy
Sl#cop r?
 running-config
Sl#cop r s?
 scp: startup-config
S1#cop r st
 Destination filename [startup-config]?
Building configuration...
[OK]
Sl#cop r s
 % Ambiguous command: "cop r s"
Sl#cop r st
Destination filename [startup-config]?
Building configuration...
[OK]
 Sl#show st
S1#show star
Sl#show startup-config
Using 1224 bytes
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
hostname S1
 enable secret 5 $1$mERr$ILwq/b7kc.7X/ejA4Aosn0
 enable password 7 08221D0A0A49
 spanning-tree mode pvst
Ctrl+F6 to exit CLI focus
                                                                                                                                                                                                                              Paste
                                                                                                                                                                                                                   Сору
```

CLI

```
IOS Command Line Interface
  traceroute Trace route to destination
 undebug
             Disable debugging functions (see also 'debug')
 write
              Write running configuration to memory, network, or terminal
S2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
S2(config) #line console 0
S2(config-line) #password letmein
S2(config-line) #enable password c1$c0
S2(config) #line console 0
S2(config-line) #enable secret itsasecret
S2(config)#ban
S2(config) #banner motd "You are in a router"
S2(config)#
S2#
%SYS-5-CONFIG I: Configured from console by console
service ?
% Unrecognized command
S2#service?
% Unrecognized command
S2#ser?
% Unrecognized command
S2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
S2(config) #ser?
service
S2(config) #service?
service
S2(config) #service ?
 dhcp
                      Enable DHCP server and relay agent
 password-encryption Encrypt system passwords
 timestamps
                     Timestamp debug/log messages
S2(config) #service service pass
S2(config) #service passw
S2(config) #service passw
S2 (config) #service password-encryption
S2(config) #show r
S2(config)#show ru
S2(config) #show runn
S2(config) #show runn
% Invalid input detected at '^' marker.
S2(config)#exit
%SYS-5-CONFIG I: Configured from console by console
show
S2#show r
S2#show running-config
Building configuration...
Current configuration : 1222 bytes
```

Ctrl+F6 to exit CLI focus

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П Desktop Programming Attributes

```
ommand Prompt
Pinging 192.168.1.253 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.1.253:
   Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Request timed out.
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.253:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.253:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.1.254
Pinging 192.168.1.254 with 32 bytes of data:
Request timed out.
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.254:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
C:\>ping 192.168.1.254
```

Reception

Physical Config Desktop Programming ommand Prompt Cisco Packet Tracer PC Command Line 1.0 C:\>ping 128.107.20.25 Pinging 128.107.20.25 with 32 bytes of data: Reply from 128.107.20.25: bytes=32 time<1ms TTL=128 Reply from 128.107.20.25: bytes=32 time<1ms TTL=128 Reply from 128.107.20.25: bytes=32 time<lms TTL=128 Reply from 128.107.20.25: bytes=32 time=2ms TTL=128 Ping statistics for 128.107.20.25: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 2ms, Average = 0ms C:\>ping 128.107.20.15 Pinging 128.107.20.15 with 32 bytes of data: Reply from 128.107.20.15: bytes=32 time<1ms TTL=255 Ping statistics for 128.107.20.15: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms C:\>ping 128.107.20.10 Pinging 128.107.20.10 with 32 bytes of data: Reply from 128.107.20.10: bytes=32 time<1ms TTL=255 Reply from 128.107.20.10: bytes=32 time=1ms TTL=255 Reply from 128.107.20.10: bytes=32 time<1ms TTL=255 Reply from 128.107.20.10: bytes=32 time<1ms TTL=255 Ping statistics for 128.107.20.10: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = Oms, Maximum = 1ms, Average = Oms C:\>

```
CLI Attributes
```

```
IOS Command Line Interface
interface FastEthernet0/18
interface FastEthernet0/19
interface FastEthernet0/20
 interface FastEthernet0/21
interface FastEthernet0/22
interface FastEthernet0/23
interface FastEthernet0/24
 interface GigabitEthernet0/1
 interface GigabitEthernet0/2
 interface Vlanl
 no ip address
 shutdown
 banner motd ^CAuthorized access only. Violators will be prosecuted to the full extent of the law.^C
line con 0
 password 7 0822455D0A16
 login
line vty 0 4
 login
line vty 5 15
 login
 end
S1# copy ru
S1# copy running-config st
Sl# copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
S1#
S1#
Ctrl+F6 to exit CLI focus
                                                                                                                                                                                                                      Сору
```

Тор

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```
CLI Attributes
                                                                                                           IOS Command Line Interface
 %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
 %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
 %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
 Switch>enable
 Switch#conf t
 Enter configuration commands, one per line. End with CNTL/Z.
 Switch(config)#hostname S2
S2(config)#line console 0
 S2(config-line) #password cisco
 S2(config-line) #enable secret class
 S2(config) #line con
 S2(config) #line console 0
 S2(config-line) #password cisco
 S2(config-line)#login
 S2(config-line) #enable secret class
 S2(config) #service pass
 S2(config) #service password-encryption
 S2(config)#exit
 S2#
 %SYS-5-CONFIG I: Configured from console by console
 show
 S2#show ru
 S2#show running-config
 Building configuration...
 Current configuration : 1160 bytes
 version 15.0
 no service timestamps log datetime msec
 no service timestamps debug datetime msec
 service password-encryption
 hostname S2
 enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCil
 spanning-tree mode pvst
 spanning-tree extend system-id
```

Ctrl+F6 to exit CLI focus

interface FastEthernet0/1

Copy Paste

Top

- -

```
Physical Config Desktop Programming
 Terminal
Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE SOFTWARE (fcl)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Wed 26-Jun-13 02:49 by mnguyen
Press RETURN to get started!
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
Switch>enable
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #hostname Room-145
Room-145(config) #line console 0
Room-145(config-line) #password xAw6k
Room-145 (config-line) #login
Room-145(config-line) #enable secret 6EBUp
Room-145 (config) #banner
Room-145 (config) #banner motd "This is banner"
Room-145 (config) #ser
Room-145(config) #service pa
Room-145(config) #service password-encryption
Room-145(config) #interface vlan 1
Room-145(config-if) #ip address 128.107.20.10 255.255.255.0
Room-145(config-if) #no shutdown
Room-145(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlanl, changed state to up
copy r st
% Invalid input detected at '^' marker.
Room-145(config-if) #exit
Room-145 (config) #exit
Room-145#
%SYS-5-CONFIG_I: Configured from console by console
copy r st
Destination filename [startup-config]?
Building configuration...
[OK]
Room-145#
Room-145#
```

Manager

Physical Config Desktop Programming

```
Press RETURN to get started!
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
Switch>enable
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #hostname Room-145
Room-145(config) #line console 0
Room-145(config-line) #password xAw6k
Room-145(config-line)#login
Room-145(config-line) #enable secret 6EBUp
Room-145 (config) #banner
Room-145(config) #banner motd "This is banner"
Room-145 (config) #ser
Room-145(config) #service pa
Room-145(config) #service password-encryption
Room-145(config)#interface vlan 1
Room-145(config-if) #ip address 128.107.20.10 255.255.255.0
Room-145(config-if) #no shutdown
Room-145(config-if) #
%LINK-5-CHANGED: Interface Vlanl, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlanl, changed state to up
copy r st
% Invalid input detected at '^' marker.
Room-145 (config-if) #exit
Room-145 (config) #exit
Room-145#
%SYS-5-CONFIG_I: Configured from console by console
copy r st
Destination filename [startup-config]?
Building configuration...
[OK]
Room-145#
Room-145#
```

Physical Config Desktop Programming

```
ommand Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 128.107.20.15
Pinging 128.107.20.15 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 128.107.20.15:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 128.107.20.10
Pinging 128.107.20.10 with 32 bytes of data:
Reply from 128.107.20.10: bytes=32 time<1ms TTL=255
Ping statistics for 128.107.20.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 128.107.20.15
Pinging 128.107.20.15 with 32 bytes of data:
Reply from 128.107.20.15: bytes=32 time<1ms TTL=255
Ping statistics for 128.107.20.15:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
C:\>
```

П Desktop Programming Attributes

```
ommand Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Request timed out.
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time=8ms TTL=255
Ping statistics for 192.168.1.253:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 8ms, Average = 2ms
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<lms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.253:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.1.254
Pinging 192.168.1.254 with 32 bytes of data:
Request timed out.
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.254:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
C:\>ping 192.168.1.254
Pinging 192.168.1.254 with 32 bytes of data:
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.254:
```

Cisco Packet Tracer - C:\Users\Nur\Downloads\2.9.1-packet-tracer---basic-switch-and-end-device-configuration.pka

 $\underline{\mathsf{File}} \quad \underline{\mathsf{E}}\mathsf{dit} \quad \underline{\mathsf{O}}\mathsf{ptions} \quad \underline{\mathsf{V}}\mathsf{iew} \quad \underline{\mathsf{T}}\mathsf{ools} \quad \underline{\mathsf{E}}\underline{\mathsf{x}}\mathsf{tensions} \quad \underline{\mathsf{W}}\mathsf{indow} \quad \underline{\mathsf{H}}\mathsf{elp}$

Overall Feedback Assessment Items Connectivity Tests

Congratulations Guest! You completed the activity.

Activity Results

Time Elapsed: 00:45:36

ssment Items	Status	Points	Component(s)	Feedback
etwork		'	,	
Manager				
⊟ Ports				
□ FastEthernet0 ✓ IP Address	Correct	8	IPv4 Host Addres	
✓ Subnet Mask	Correct	8	IPv4 Host Addres	
Reception Subflet Mask	Correct	0	IPV4 Host Addres	
= Reception				
⊟ FastEthernet0				
✓ IP Address	Correct	8	IPv4 Host Addres	
✓ Subnet Mask	Correct	8	IPv4 Host Addres	
Room-145	0011001	·	ii vi rioce, idai co	
✓ Banner MOTD	Correct	2	Basic Security Co	
□ Console Line		0	Other	
✓ Password	Correct	1	Basic Security Co	
✓ Enable Secret	Correct	2	Basic Security Co	
✓ Host Name	Correct	1	Hostname Config	
Ports			ū	
⊟ Vlan1				
✓ IP Address	Correct	7	IPv4 Host Addres	
Port Status	Correct	5	IPv4 Host Addres	
✓ Subnet Mask	Correct	7	IPv4 Host Addres	
 Service Password Encryptic 	on Correct	1	Basic Security Co	
✓ Startup Config	Correct	2	Configuration Man	
∃ Room-146			_	
── ✔ Banner MOTD	Correct	2	Basic Security Co	
Console Line		0	Other	
✓ Password	Correct	1	Basic Security Co	
Enable Secret	Correct	2	Basic Security Co	
─ ✓ Host Name	Correct	1	Hostname Config	
□ Ports				
⊡ Vlan1				
	Correct	7	IPv4 Host Addres	
Port Status	Correct	5	IPv4 Host Addres	
✓ Subnet Mask	Correct	7	IPv4 Host Addres	
 Service Password Encryptic 		1	Basic Security Co	
Startup Config	Correct	2	Configuration Man	

Score	: 98/98
Item Count	: 22/22

Component	Items/Total	Score
Basic Security Configuration	8/8	12/12
Configuration Management	2/2	4/4
Hostname Configuration	2/2	2/2
IPv4 Host Address Configuration	10/10	70/70
Connectivity	y	
Connectivity Tests	6/6	10/10

Connectivity	lests	6/6	10/10