Source Codes and Output Photos

16.4.6 Packet Tracer - Configure Secure Passwords and SSH

Source Code

PCA Terminal

ena conf t host RTA int g0/0

ip add 172.16.1.1 255.255.255.0

no shut exit

service pass

security pass min-length 10 ena sec packettracer no ip domain-lookup ip domain-name CCNA.com

username leant secret packettracer

crypto key generate rsa

1024

login block-for 180 attempts 4 within 120

lin vty 0 15

transport input ssh

login local exec-timeout 6

do wr

PCA Command Prompt

ssh /?

SW1 CLI

ena conf t host SW1 int vlan 1

ip add 172.16.1.2 255.255.255.0

no shut exit

ip default-gateway 172.16.1.1

int range f0/2-24, g0/2

shutdown exit

service pass

ena sec packettracer no ip domain-lookup

ip domain-name CCNA.com

username leant secret packettracer

crypto key generate rsa

1024

login block-for 180 attempts 4 within 120

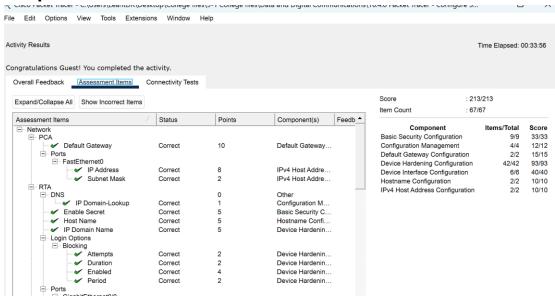
lin vty 04

transport input ssh

login local exec-timeout 6

do w

Output Screenshot



16.5.1 Packet Tracer - Secure Network Devices

Source Code

RTR-A CLI crypto key generate rsa enable 1024 conf t do wr hostname RTR-A end no ip domain-lookup ip domain-name security.com banner motd "Unauthorized access prohibited." security passwords min-length 10 service password-encryption enable secret @Cons1234! login block-for 45 attempts 3 within 100 line con 0 password @Cons1234! login exec-timeout 7 exit username NETadmin secret LogAdmin!9 line vty 0 15 transport input ssh login local exec-timeout 70

exit

SW-1 CLI

enable conf t host SW-1 ip domain-name security.com enable secret @Cons1234! username NETadmin secret LogAdmin!9 int range f0/1 f0/3-9, f0/11-24, g0/2 shutdown int Vlan1 ip add 192.168.1.254 255.255.255.0 no shutdown

exit

ip default-gateway 192.168.1.1

line vty 0 4

login local

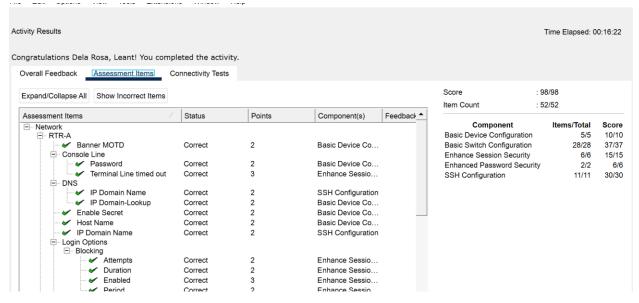
transport input ssh

exit

crypto key generate rsa

1024

end



17.5.9 Packet Tracer - Interpret show Command Output

Source Code

ISP PC Terminal

ena

show arp

show flash

show ip route

show interfaces

show ip interface brief

show protocols

show users

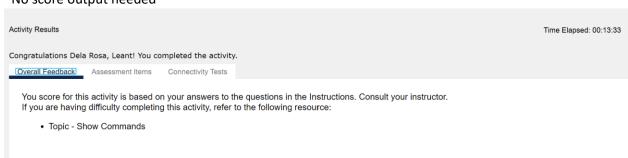
show version

show?

show flash

Output Screenshot

*No score output needed



17.7.7 Packet Tracer - Troubleshoot Connectivity Issues

Source Code

PC-01 Command Prompt

ipconfig ping 172.16.1.1 ping 209.165.201.2 ping 172.16.1.4 ping 172.16.2 3 ping 172.16.2 4

PC-02 Command Prompt

ipconfig ping 172.16.1.1 ping 209.165.201.2 ping 172.16.1.3 ping 172.16.2 3 ping 172.16.2 4

PC-A Command Prompt

ipconfig

ping 172.16.2.1

ping 209.165.201.2

ping 172.16.2 4

ping 172.16.1.3

ping 172.16.1 4

PC-A Telnet/SSH

172.16.1.1

Admin01

cisco12345

conf t

int g0/1

ip add 172.16.2.1 255.255.255.0

PC-B Command Prompt

ipconfig

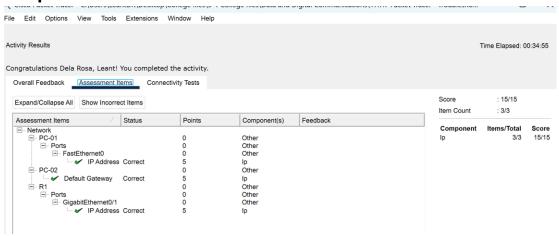
ping 172.16.2.1

ping 209.165.201.2

ping 172.16.2 3

ping 172.16.1.3

ping 172.16.1 4



17.8.2 Packet Tracer - Skills Integration Challenge

Source Code

R1 CLI

ena

conf t

host R1

no ip domain-lookup

ip domain-name CCNA-lab.com

serv pass

banner motd "R1:Authorized Personnel only!"

login block-for 180 4 attempts within 120

security pass min-length 10

ena sec Ciscoenpa55

lin con 0

pass Ciscoconpa55

login

exec-timeout 5

exit

username Admin1 privilege 15 sec Admin1pa55

int range g0/0-2

no shut

exit

lin vty 0 15

transport input ssh

login local

exec-timeout 5

exit

crypto jey generate rsa

1024

int g0/0

ip add 192.168.0.1 255.255.255.128

ipv6 add FE80::1 link-local

ipv6 add 2001:DB8:ACAD::1/64

int g0/1

ip add 192.168.0.129 255.255.255.192

ipv6 add FE80::1 link-local

ipv6 add 2001:DB8:ACAD:1::1/64

int g0/2

ip add 192.168.0.193 255.255.255.224

ipv6 add FE80::1 link-local

ipv6 address 2001:DB8:ACAD:2::1/64

int s0/0/1

ip address 172.16.1.2 255.255.255.252

ipv6 address FE80::1 link-local ipv6 address 2001:DB8:2::1/64

no shutdown

S1 CLI

ena

conf t

host S1

no ip domain-lookup

serv pass

ena sec Ciscoenpa55

ip default-gateway 192.168.0.1

lin con 0

pass Ciscoconpa55

login

exec-timeout 5

lin vty 04

exec-timeout 5

int vlan1

ip add 192.168.0.2 255.255.255.128

no shut

do wr

S2 CLI

ena

conf t

host S2

no ip domain-lookup

serv pass

ena sec Ciscoenpa55

ip default-gateway 192.168.0.129

lin con 0

pass Ciscoconpa55

login

exec-timeout 5

lin vty 04

exec-timeout 5

int vlan1

ip add 192.168.0.130 255.255.255.192

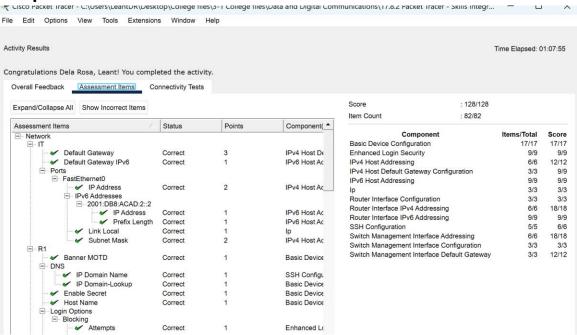
no shut

do wr

S3 CLI

ena

conf t host S3 no ip domain-lookup serv pass ena sec Ciscoenpa55 ip default-gateway 192.168.0.193 lin con 0 pass Ciscoconpa55 login exec-timeout 5 lin vty 04 exec-timeout 5 int vlan1 ip add 192.168.0.194 255.255.255.224 no shut do wr



17.8.3 Packet Tracer - Troubleshooting Challenge

Source Code

R1 CLI

Ciscoconpa55

ena

Ciscoenpa55

conf t

int g0/1

ip address 172.16.1.126 255.255.255.192

username Admin1 secret Admin1pa55

line vty 04

transport input ssh

do wr

S2 CLI

Ciscoconpa55

ena

Ciscoenpa55

conf t

int vlan1

ip address 172.16.1.125 255.255.255.192

do wr

