

Solution to Exercise 1

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- Using hyperterminal to access the device, configure IP & hostname for R1

```
router> enable
router# conf t
router(conf)# interface s1/0
router(conf-if)# ip address 10.0.0.1 255.0.0.0
router(conf-if)# no shutdown
router(conf-if)# clock rate 64000
router(conf-if)# exit
router(conf)# hostname R1
R1(conf)# exit
R1# wr
```

- Using hyperterminal to access the device, configure IP & hostname for R2

```
router> enable
router# conf t
router(conf)# interface s1/0
router(conf-if)# ip address 10.0.0.2 255.0.0.0
router(conf-if)# no shutdown
router(conf-if)# exit
router(conf)# hostname R2
R2(conf)# exit
R2# wr
```

- Check R1 configuration

```
R1# show ip interface brief
R1# show run
R1# show start
```

```
R1# show ip route
```

```
R1# show controller s1/0
```

```
R1# ping 10.0.0.2
```

```
R1# exit
```

```
R1>
```

- Check R2 configuration

```
R2# show ip interface brief
```

```
R2# show run
```

```
R2# show start
```

```
R2# show ip route
```

```
R2# show controller s1/0
```

```
R2# ping 10.0.0.2
```

```
R2# exit
```

```
R2>
```

- Through telnet, set the following passwords for R1 : console:cons1, privilege:priv1 (not encrypted), telnet:teln1

```
c:\> telnet R1 (from Admin1)
```

```
R1> enable
```

```
R1# conf t
```

```
R1(conf)# line console 0
```

```
R1(conf-line)# password cons1
```

```
R1(conf-line)# login
```

```
R1(conf-line)# exit
```

```
R1(conf)# enable password priv1
```

```
R1(conf)# line vty 0 4
```

```
R1(conf-line)# password teln1
```

```
R1(conf-line)# login
```

```
R1(conf-line)# exit
```

```
R1(conf)# exit
```

```
R1# wr
```

```
R1# exit
```

R1>

- Through telnet, set the following passwords for R2 : console:cons2, privilege:priv2 (encrypted), telnet:teln2

c:\> telnet R2 (from Admin2)

R2> enable

R2# conf t

R2(conf)# line console 0

R2(conf-line)# password cons2

R2(conf-line)# login

R2(conf-line)# exit

R2(conf)# enable secret priv2

R2(conf)# line vty 0 4

R2(conf-line)# password teln2

R2(conf-line)# login

R2(conf-line)# exit

R2(conf)# exit

R2# wr

R2# exit

R2>