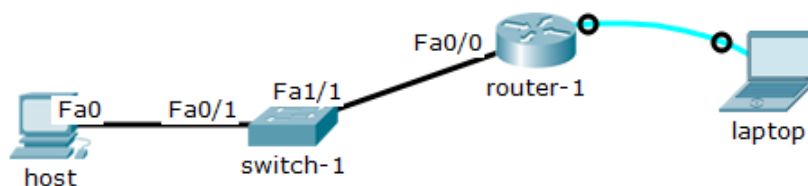


Local Authentication

Lab Summary

Configure a username account locally on router-1 to enable local authentication.

Figure 1 Lab Topology



Lab Configuration

Start Packet Tracer File: **Local Authentication**

Router-1

Step 1: Click *Router-1* icon and select the *CLI* folder. Press <enter> key for user prompt.

Step 2: Enter global configuration mode

```
router-1 > enable  
Password: ciscoconet  
router-1# configure terminal
```

Step 3: Enable default VTY 0 4 lines with local authentication.

```
router-1(config)# line vty 0 4  
router-1(config-line)# login local  
router-1(config-line)# exit
```

Step 4: Enable password encryption so that passwords are not readable from the configuration script.

```
router-1(config)# service password-encryption
```

Step 5: Configure local username *admin* with highest security privilege level 15 and password *ccnaexam*.

```
router-1(config)# username admin privilege 15 password ccnaexam
```

Step 6: Enable console port with local authentication.

```
router-1(config)# line console 0  
router-1(config-line)# login local  
router-1(config-line)# end  
router-1# copy running-config startup-config  
router-1# exit
```

Telnet from host-1 to router-1 and verify remote access with local authentication.

Click *Host* icon and select the *Desktop* folder. Select *Command Prompt* icon.

```
c:/> telnet 192.168.1.2
```

```
Username: admin
```

```
Password: ccnaexam
```

```
router-1# exit
```

```
[Connection to 192.168.1.2 closed by foreign host]
```

Start a console session from laptop to router-1 and verify that there is local authentication enabled. Click *Laptop* icon and select the *Desktop* folder. Select *Terminal* icon and verify the terminal settings are correct on the Laptop USB interface. Click OK and hit enter for user mode prompt.

Cisco Default Terminal Settings

- 9600 bps
- 8 data bits
- no parity
- 1 stop bit
- no flow control

Login to the local console port with username *admin* and password *ccnaexam*.

```
Username: admin
```

```
Password: ccnaexam
```

```
router-1# exit
```

```
[Connection to 192.168.1.2 closed by foreign host]
```

Lab Notes:

It is common to copy the same encrypted password to multiple devices. List the running configuration to copy the hidden password and paste it to the new device with **username admin privilege 15 password 7 [encrypted password]**.