**Configure Local AAA Authentication for Console Access on R1**

**Step 1: Test connectivity. All devices should be able to ping all other IP addresses.**

**Step 2: Configure a local username on R1.**

R1(config)# username Admin1 secret admin1pa55

**Step 3: Configure local AAA authentication for console access on R1.**

R1(config)# aaa new-model

R1(config)# aaa authentication login default local

**Step 4: Configure the line console to use the defined AAA authentication method.** R1(config)# line console 0

R1(config-line)# login authentication default

**Step 4: Verify the AAA authentication method.** R1(config-line)# end

R1# exit

Username: **Admin1**  Password: **admin1pa55**

**Configure Local AAA Authentication for vty Lines on R1**

**Step 1: Configure domain name and crypto key for use with SSH. a.** R1(config)# ip domain-name ccnasecurity.com

**b**. R1(config)# crypto key generate rsa

How many bits in the modulus [512]: **1024**

**Step 2: Configure a named list AAA authentication method for the vty lines on R1.**

R1(config)# aaa authentication login SSH-LOGIN local

**Step 3: Configure the vty lines to use the defined AAA authentication method.**

R1(config)# line vty 0 4

R1(config-line)# login authentication SSH-LOGIN

R1(config-line)# transport input ssh

R1(config-line)# end

**Step 4: Verify the AAA authentication method.**

Verify the SSH configuration SSH to **R1** from the command prompt of **PC-A**.

PC> **ssh –l Admin1 192.168.1.1**

Open

Password: **admin1pa55**