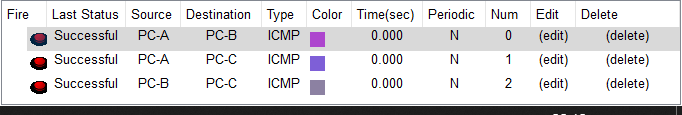


**Task 1:      Configure Local AAA Authentication for Console Access on R1**

**Step 1.      Test connectivity.**



**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 5: Verify the AAA authentication method

Username: Admin1

Password: admin1pa55

2: Configure Local AAA Authentication for vty Lines on R1

##### Step 1: Configure domain name and crypto key for use with SSH.

R1(config)# ip domain-name ccnasecurity.com

R1(config)# crypto key generate rsa

##### 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

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

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

SSH -l Admin1 192.168.1.1

### **3: Configure Server-Based AAA Authentication Using TACACS+ on R2**

##### Step 1: Configure a backup local database entry called Admin.

R2(config)# username Admin2 secret admin2pa55

##### Step 2: Verify the TACACS+ Server configuration

Une image contenant table

Description générée automatiquement

##### Step 3: Configure the TACACS+ server specifics on R2.

R2(config)# tacacs-server host 192.168.2.2

R2(config)# tacacs-server key tacacspa55

##### Step 4: Configure AAA login authentication for console access on R2.

R2(config)# aaa new-model

R2(config)# aaa authentication login default group tacacs+ local

##### Step 5: Configure the line console to use the defined AAA authentication method.

R2(config)# line console 0

R2(config-line)# login authentication default

##### Step 6: Verify the AAA authentication method.

### **4: Configure Server-Based AAA Authentication Using RADIUS on R3**

##### Step 1: Configure a backup local database entry called Admin.

R3(config)# username Admin3 secret admin3pa55

##### 3: Configure the RADIUS server specifics on R3.

R3(config)# radius-server host 192.168.3.2

R3(config)# radius-server key radiuspa55

##### 4: Configure AAA login authentication for console access on R3.

R3(config)# aaa new-model

R3(config)# aaa authentication login default group radius local

##### 5: Configure the line console to use the defined AAA authentication method.

R3(config)# line console 0

R3(config-line)# login authentication default

##### Step 6: Verify the AAA authentication method.

Username: Admin3

Password: admin3pa55