ASA Deep Dive

Routing Protocol

Control Plane Authentication in EIGRP on ASA

▷ Cisco Routers support two authentication methods:

- MD5
- Hmac-sha-256

▷ ASA only supports MD5.

▷ For MD5, we need to create a Key Chain and apply the Key Chain to the interface of the Cisco Router.

▷ On ASA, we do not need to create a Key Chain.

▷ For hmac-sha-256, we do not need a Key Chain, instead, directly define the password on the interface. However, it is only supported in Named mode EIGRP.

Control Plane Authentication in EIGRP on ASA

```
R1(config)#do sh run | s key chain
key chain R1MD5
 key 1
  key-string cisco
```

```
R1#sh run int g0/0
Building configuration...

Current configuration : 179 bytes
!
interface GigabitEthernet0/0
 ip address 10.0.0.1 255.255.255.0
 ip authentication mode eigrp 100 md5
 ip authentication key-chain eigrp 100 R1MD5
```

Control Plane Authentication in EIGRP on ASA

▷ Configuring MD5 Authentication on ASA.

```
ASAx1(config)# sh run interface g0/1
!
interface GigabitEthernet0/1
 nameif inside
 security-level 100
 ip address 10.0.0.50 255.255.255.0
 authentication key eigrp 100 ***** key-id 1
 authentication mode eigrp 100 md5
```