ASA Deep Dive

Routing Protocol

Configuring OSPF on ASA

▷ Configuring OSPF on an ASA firewall is similar to configuring OSPF on a Cisco Router.

▷ Pre-requisites for OSPF neighborship between two devices:

- They must be in the same network.
- They must be in the same Area.
- They must have the same MTU.
- They must have the same Hello and Dead timers.
- They must have the same Network Type.
- They must have the same Stub Flag.

▷ Process-ID does not need to match. It is locally significant.

▷ You can activate OSPF under the process using the **network** statement or under the interface using the **ip ospf 1 area 0** command.

Configuring OSPF on ASA

▷ Configuring OSPF on Cisco Routers.

- Example 1

```
R1#sh run | s r o
router ospf 1
 network 10.0.0.0 0.0.0.255 area 0
 network 150.1.1.1 0.0.0.0 area 0
```

- Example 2

```
R1#sh run int lo0
Building configuration...

Current configuration : 81 bytes
!
interface Loopback0
 ip address 1.1.1.1 255.255.255.255
 ip ospf 1 area 0
```

Configuring OSPF on ASA

▷ Configuring OSPF on ASA.

- Example 1

```
ASAx1(config)# sh run router
router ospf 1
  network 10.0.0.0 255.255.255.0 area 0
  network 150.11.11.1 255.255.255.255 area 0
```