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Module :9 Infrastructure services –

**1- Host A and Host B sit in two different subnets. The path between the subnets of these two hosts Runs through three different Layer 3 forwarding devices (routers and Layer 3 switches). A network engineer uses the APIC-EM Path Trace ACL Analysis tool to Analysis the path used for Host A to send packets to Host B. Which part of the function is done specifically by the ACL Analysis or ACL Trace part of the tool?**

A. Discovery of the topology that exists between the two hosts

B. Analysis of the Layer 3 forwarding decisions in the path from Host A to B

C. Analysis of the Layer 2 forwarding decisions in the path from Host A to B

D. Analysis of the impact of ACLs on the packets that would flow from Host A to B

Ans- B Analysis of the Layer 3 forwarding decisions in the path from

Host A to B

**2- Which IPv6 address is the equivalent of the IPv4 interface loopback address 127.0.0.1?**

A. ::1

B. ::

C. 2000 :: /3

D. 0 ::/10

Ans- A ::1

**3- Which command is used to apply an ACL to an interface?**

A. access-group

B. IP access-group

C. IP access-list

D. IP access-class

E. access-class

F. access-list

Ans- B IP Access-Group

**4- Which command and mode will successfully configure a hostname of R1 on a Cisco IOS router?**

A. Router(config)#name R1

B. Router# hostname R1

C. Router(config) #hostname R1

D. Router #name R1

E. Router>hostname R1

F. Router>name R1

Ans - C Router(config) #hostname R1

**5- Which of the following reserved IPv4 addresses has binary 0s in all of the host bit positions?**

A. Local broadcast address

B. Loopback address

C. Directed broadcast address

D. Network address

E. All zeros address

Ans- B Loopback address