**VAIDIK PRAJAPATI**

**Module 9 : CCNA : 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 analyze 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?**

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

1. **Which IPv6 address is the equivalent of the IPv4 interface loopback address 127.0.0.1?**

**Ans.** ::1

1. **Which command is used to apply an ACL to an interface**?

**Ans.** ip access-group

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

**Ans.** Router(config)#hostname R1

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

**Ans.** Network address