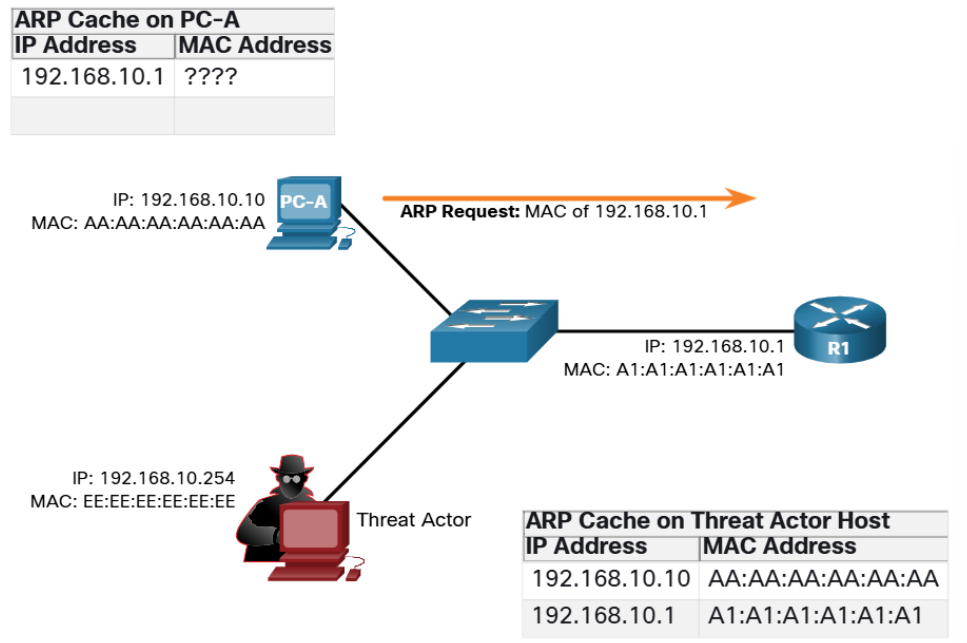
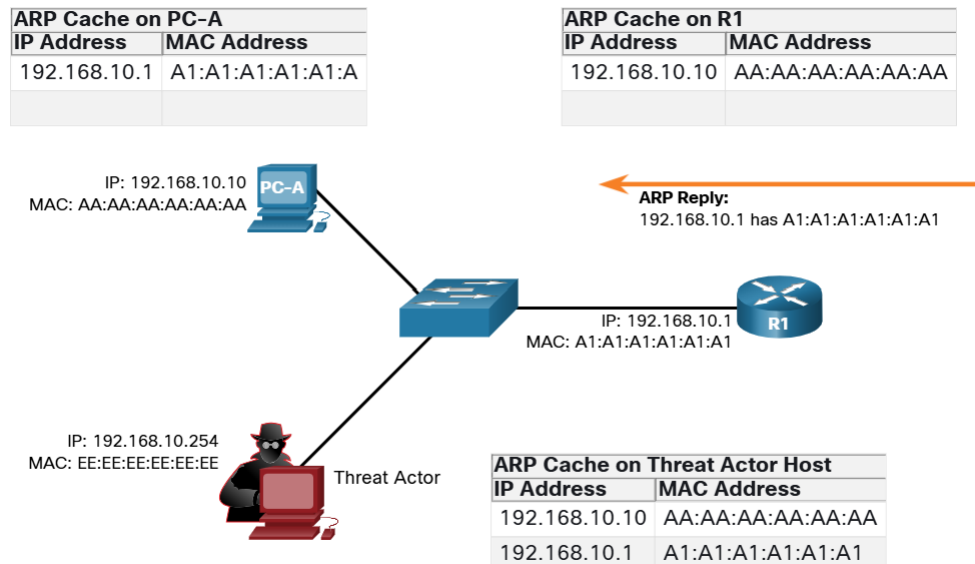


Tutorial 4

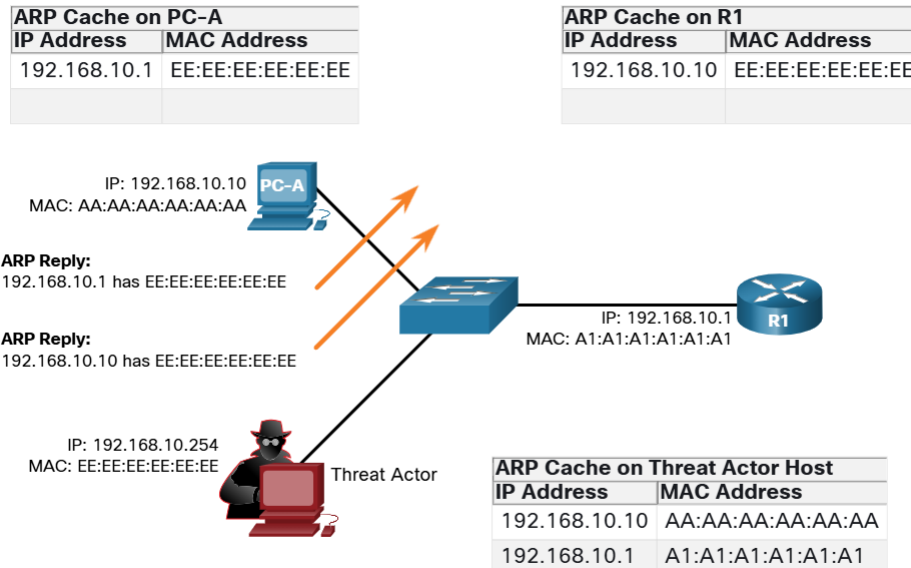
1. Reference to 3.8.2 ARP Cache Poisoning on cisco.netacad.net.
 - a) Illustrate ARP request between PC-A and R1 based on the following diagram.



- b) Illustrate ARP reply between PC-A and R1 based on the following diagram.



- c) Explain in detailed on how ARP Cache Poisoning works based on the following diagram.



- Differentiate Cisco Email Security Appliance (ESA) and Cisco Web Security Appliance (WSA).
- Illustrate the techniques used in IP attacks.
- Explain **THREE (3)** different types of attack to an organization.
- Differentiate Adware, Spyware and Ransomware.
- Illustrate Reconnaissance Attacks, Access Attacks and DoS Attacks. In addition, give an example for each type of attack.
- Most organizations employ a defense-in-depth approach to security. It requires a combination of networking devices and services working together. Illustrate this approach.
- Compare and contrast **TWO (2)** social engineering attacks. (4 marks)
 - Which of these two social engineering attacks is more commonly encountered among businesses? Include your reasons to support your answer. (4 marks)
- Network applications use TCP or UDP ports. Threat actors conduct port scans of targeted devices to discover the services they offer.
 - Illustrate TCP SYN Flood attack.
 - Explain UDP Flood attack.