

Cisco CCNA(200-301)

Configuring and Verifying DHCP Snooping and DAI

Learner Objective: Configure DHCP Snooping and DAI

Description: Rogue devices on your switch can cause issues. You will learn how to use Cisco IOS built in features to secure your switch from rogue services.

Q: What is DHCP snooping?

- Limits DHCP serving to only designated ports.
- Demonstration

Q: What is DAI? (Dynamic ARP Inspection)

- protects switch from ARP poisoning.
- checks all ARP packets that comes from untrusted interfaces and compares it with DHCP snooping database.

Q: Can you tell me a little more about ARP poisoning?

- adding unauthorized information in to the ARP table.
- Dynamic ARP Inspection works in conjunction with DHCP snooping. DAI inspects all arp requests coming from untrusted interfaces to see if they match up with the DHCP snooping table for matches, if it doesn't DAI will block invalid ARP messages.

Outro:

Endnotes, External and etc.,

- 5.7 Configure Layer 2 security features (DHCP snooping, dynamic ARP inspection, and port security)
- Exam 200-301 Objectives