

# 10 LAN Security Concepts

## 10.1 Endpoint Security

- Network Attacks Today
- Network Security Devices
- Endpoint Protection
- Cisco Email Security Appliance
- Cisco Web Security Appliance

## 10.2 Access Control

- Authentication with a Local Password
- AAA (Authentication, Authorization, Accounting)
- Authentication
- Authorization
- Accounting
- 802.1X

## 10.3 Layer 2 Security Threats

- Layer 2 Vulnerabilities
- Switch Attack Categories
- Switch Attack Mitigation Techniques

## 10.4 MAC Address Table Attack

- Switch Operation Review
- MAC Address Table Flooding
- MAC Address Table Attack Mitigation

## 10.5 LAN Attacks

- Video - VLAN and DHCP Attacks
- VLAN Hopping Attacks
- VLAN Double-Tagging Attack
- DHCP Messages
- DHCP Attacks
- Video - ARP Attacks, STP Attacks, and CDP Reconnaissance
- ARP Attacks
- Address Spoofing Attack
- STP Attack
- CDP Reconnaissance