New CCNA 200-301 Course Content
(Version 1.1 2024 Syllabus)

CHAPTER 1

- 1.1 Definition Of A Network
- 1.2 Types of Networks
- 1.3 Network Topologies
- 1.4 Network Devices
- 1.5 Ethernet
  - 1.5.1 Types Of Ethernet Cables
  - 1.5.2 Cable Forms
- 1.6 Modes of communication
- 1.7 Broadcast domain
- 1.8 Collision domain
- 1.9 MAC address
- 1.10 IP Address

CHAPTER 2

- 2.1 IPv4 Address
- 2.2 Construction of an IPv4 address
- 2.3 Subnet Mask
- 2.4 Classes and Ranges of IPv4
- 2.5 IP Addressing
  - 2.5.1 Private And Public IP Addresses

CHAPTER 3

- 3.1 Subnetting
  - 3.1.1 Classless Inter-Domain Routing (CIDR)

21.10 DAI (Dynamic ARP Inspection)

21.12 Port security

21.12.1 Violation types