



# CCIE Security v5 Technologies Firepower & Firepower Threat Defense (FTD)

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# What does this course cover? (cont)

- ▶ Introduction
- ▶ Introduction Part II: FTD Packet flow
- ▶ Chapter 1: Installing a Cisco Firepower Management Center (FMC) Part I
- ▶ Chapter 2: Installing a Cisco Firepower Management Center (FMC) Part II
- ▶ Chapter 3: FMC System Configuration
- ▶ Chapter 4: Health Policy/Health Alerts
- ▶ Chapter 5: Installing FTD on a Cisco 5500-x Part I
- ▶ Chapter 6: Installing FTD on a Cisco 5500-x Part II
- ▶ Chapter 7: 4100/9300 FXOS and Chassis Manager
- ▶ Chapter 8: Objects

# What does this course cover? (cont)

- ▶ Chapter 9: FTD Interface Configuration/Zones Part I
- ▶ Chapter 10: FTD Interface Configuration/Zones Part II
- ▶ Chapter 11: Routing Platform Settings (FTD/Firepower)
- ▶ Chapter 12: Platform Settings (FTD/Firepower)
- ▶ Chapter 13: Access Control Policy
- ▶ Chapter 14: Access Control Policy Part II
- ▶ Chapter 15: FTD Prefilter Policy
- ▶ Chapter 16: Network Addressing Translation (NAT)
- ▶ Chapter 17: Malware/File Policy
- ▶ Chapter 18: Intrusion Prevision Policy (IPS)

# What does this course cover? (cont)

- ▶ Chapter 19: Intrusion Prevision Policy (IPS) Part II
- ▶ Chapter 20: Firepower Discovery Policy
- ▶ Chapter 21: Reporting & Task Management
- ▶ Chapter 22: Network Analysis
- ▶ Chapter 23: Network Analysis Part II
- ▶ Chapter 24: Account Management
- ▶ Chapter 25: Identity Policy

# Cisco's FTD Devices

## Firepower Threat Defense (FTD) Software

### Firepower (L7)

- Threat-Centric NGIPS
- AVC, URL Filtering for NGFW
- Advanced Malware Protection

### ASA (L2-L4)

- L2-L4 Stateful Firewall
- Scalable CGNAT, ACL, routing
- Application inspection

Full Feature Set

Continuous Feature  
Migration

### Firepower Threat Defense

Single Converged OS



Firewall



URL



Visibility

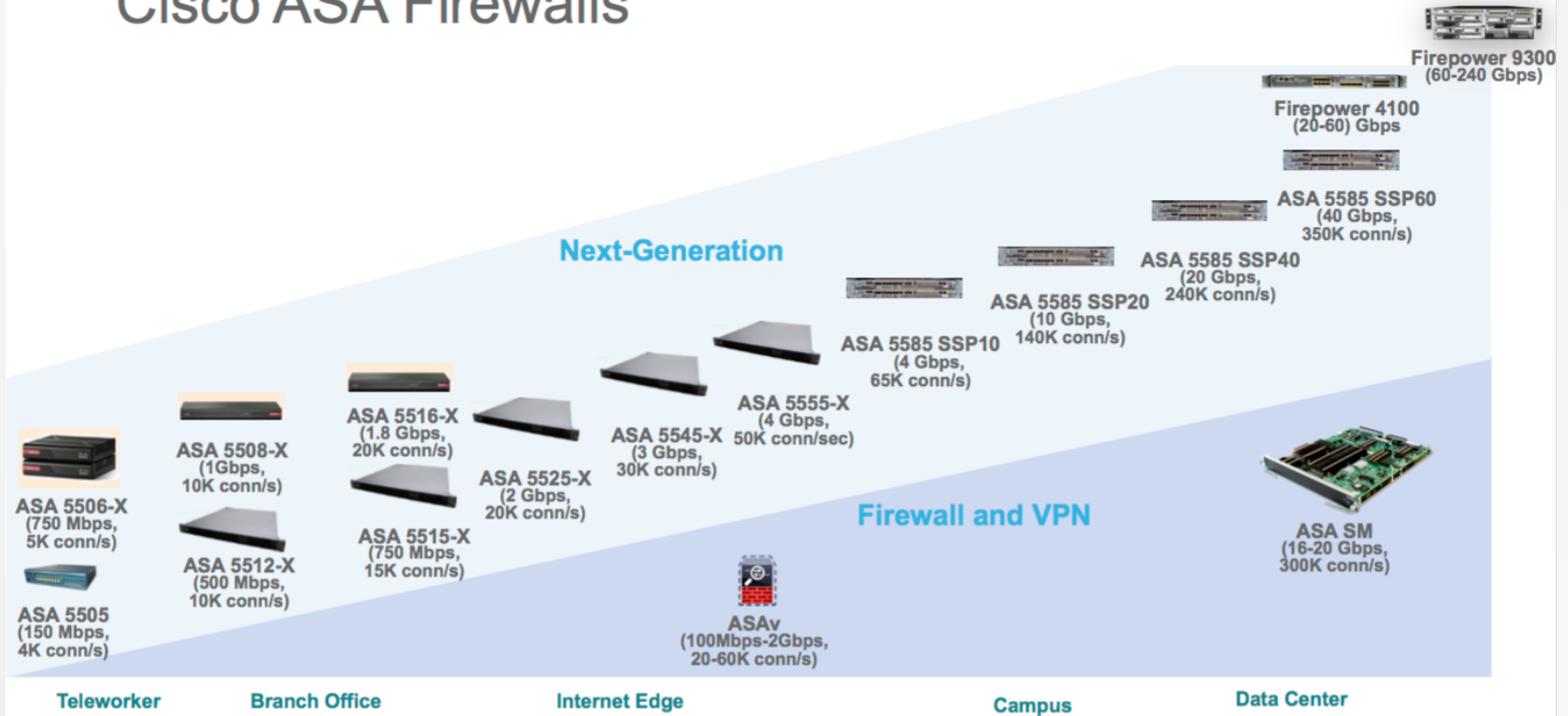


Threats



**Firepower Management  
Center (FMC)\***

# Cisco ASA Firewalls



# Cisco Firepower NGFW Product Family

Running Firepower Threat Defense (FTD)

Performance and Scalability

ASA 5506H-X  
ASA 5506W-X  
ASA 5506-X



ASA 5508-X  
ASA 5512-X



ASA 5516-X  
ASA 5515-X



ASA 5525-X  
ASA 5545-X  
ASA 5555-X



Firepower 2110  
Firepower 2120  
Firepower 2130  
Firepower 2140



FTDv



Firepower 4110  
Firepower 4120



Firepower 4140  
Firepower 4150



Firepower 9300  
(SM-24, SM-36, SM-44)



SMB & Distributed Enterprise

Commercial & Enterprise

Data Center & Service Provider



# Firepower Policies

- Access Control: Main Policy (rules, security intelligence)
  - IPS:
  - File/Malware:
  - Pre-Filter:
  - Network Analysis: Advanced IPS policy
  - DNS:
  - SSL:
  - Identity:
- Network Discovery:
- Correlation:
- Health
- System
- License



# Part II: FTD Packet Flow



# FTD Packet Flow

