



# Implementing Cisco Edge Network Security Solutions v1.0 - SENSS (Professional)

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## Course Details

### Course Outline

- 1. Cisco Secure Design Principles**
  - a. Network Security Zoning
  - b. Cisco Module Network Architecture
  - c. Cisco SecureX Architecture
  - d. Cisco TrustSec Solutions
- 2. Implement Network Infrastructure Protection**
  - a. Introducing Cisco Network Infrastructure Architecture
  - b. Deploying Cisco IOS Control Plane Security Controls
  - c. Deploying Cisco IOS Management Plane Security Controls
  - d. Deploying Cisco ASA Management Plane Security Controls
  - e. Deploying Cisco Traffic Telemetry Methods
  - f. Deploying Cisco IOS Layer 2 Data Plane Security Controls
  - g. Deploying Cisco IOS Layer 3 Data Plane Security Controls
- 3. Deploying NAT on Cisco IOS and Cisco Adaptive Security Appliance (ASA)**
  - a. Introducing Network Address Translation
  - b. Deploying Cisco ASA Network Address Translation
  - c. Deploying Cisco IOS Software Network Address Translation
- 4. Deploying Threat Controls on Cisco ASA**
  - a. Introducing Cisco Threat Controls
  - b. Deploying Cisco ASA Basic Access Controls
  - c. Deploying Cisco ASA Application Inspection Policies
  - d. Deploying Cisco ASA Botnet Traffic Filtering
  - e. Deploying Cisco ASA Identity Based Firewall
- 5. Deploying Threat Controls on Cisco IOS Software**
  - a. Deploying Cisco IOS Software with Basic Zone-Based Firewall Policies



- b. Deploying Cisco IOS Software Zone-Based Firewall with Application Inspection Policies
- 6. Lab**
- a. Lab: Configuring Cisco Policy Protection (CPP) and Management Plane Protection (MPP)
  - b. Lab: Configure Traffic Telemetry Methods
  - c. Lab: Configure Layer 2 Data Plane Security
  - d. Lab: Configure Layer 3 Data Plane Security
  - e. Lab: Configure NAT on Cisco Adaptive Security Appliance (ASA) Firewall
  - f. Lab: Configure NAT on Cisco IOS Software
  - g. Lab: Configure Cisco ASA Access Policy
  - h. Lab: Configure Cisco ASA Application Inspection Policy
  - i. Lab: Configure Cisco ASA Botnet Traffic Filter
  - j. Lab: Configure Cisco ASA Identity Based Firewall
  - k. Lab: Configure Cisco IOS Software Zone-Based Firewall (ZBFW)
  - l. Lab: Configure Cisco IOS Software ZBFW Application Inspection Po