Implementing NAC Appliance (Cisco Clean Access)

Duration: 3 Days       Course Code: CANAC

Overview:
This course is designed to teach delegates how to design & implement a Cisco NAC Appliance solution to suit your network. You will learn basic configuration tasks such as NAM and NAS deployment modes, authentication (including Windows SSO), role-based access control, posture assessment, and remediation.

Target Audience:
This course will be of interest for anyone responsible for the design, implementation, or support of a Cisco NAC Appliance installation and Cisco Channel Partners preparing for CCSP and NAC Specialist certification.

Objectives:
- **After you complete this course you will be able to:**
  - Configure the NAC Appliance (Cisco Clean Access) in-band and out-of-band implementation options
  - Given client network security requirements, explain how a NAC Appliance (Cisco Clean Access) deployment scenario will meet or exceed network security requirements
  - Configure the common elements of a NAC Appliance (Cisco Clean Access) solution
  - Implement a highly available NAC Appliance (Cisco Clean Access) solution to mitigate network threats and facilitate network access for those users that meet corporate security requirements
  - Maintain a highly available NAC Appliance (Cisco Clean Access) deployment in medium and enterprise network environments

Prerequisites:
- **Attendees should meet the following prerequisites:**
  - Fundamental knowledge of implementing network security or CCSP or Cisco Security CSQ
  - Basic knowledge of the Microsoft Windows operating system BCMSN or working knowledge of VLANs
  - SNRS or working knowledge of digital certificates
  - BSCI or working knowledge of HSRP.

Testing and Certification
- **Recommended preparation for exam(s):**
  - 642-591 CANAC - Implementing Cisco NAC Appliance
  - This exam is associated with the Cisco Certified Security Professional (CCSP) Certification

Follow-on-Courses:
- **The following courses are recommended for further study:**
  - None recommended
Content:

Cisco NAC Endpoint Security Solutions

- Introducing Cisco Self-Defending Networks
- Introducing Cisco NAC Appliance
- Introducing In-Band and Out-of-Band Deployment Options
- Configuring External Authentication
- Configuring DHCP on the Cisco NAS
- Implementing the Microsoft Windows SSO Feature on the Cisco NAC Appliance
- Implementing the Cisco VPN SSO Feature on the Cisco NAC Appliance
- Configuring the Cisco NAC Appliance Out-of-Band Deployment
- Managing Switches
- Implementing Network Scanning
- Configuring the Cisco NAM to Implement the Cisco NAA on User Devices
- Configuring Cisco NAM High Availability
- Administering the Cisco NAM
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- Lab 3-1: Adding an In-Band Virtual Gateway Cisco NAS to the Cisco NAM
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- Lab 3-4: Adding an Out-of-Band Virtual Gateway Cisco NAS to an HA Cisco NAC Appliance Deployment
- Lab 3-5: Configuring SNMP, Switch, and Port Profiles for an Out-of-Band Cisco NAC Appliance Deployment

Labs

- Lab 1-1: Preparing the Cisco NAM to Support Web-Based Administration
- Lab 2-1: Configuring User Roles
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Cisco NAC Appliance Common Elements Configuration
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Cisco NAC Appliance Implementation Options
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Cisco NAC Appliance Implementation

- Implementing Cisco NAC Appliance In-Band Deployment
- Implementing Cisco NAC Appliance Out-of-Band Deployment
- Managing Switches
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Cisco NAC Appliance Monitoring and Administration

Monitoring a Cisco NAC Appliance Deployment

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Additional Information:
No further information available
Further Information:
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