Overview:
This course is designed to teach delegates how to design and 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 completing this course you should be able to:
  - 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
  - Configure the NAC Appliance (Cisco Clean Access) in-band and out-of-band implementation options
  - 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

Cisco NAC Appliance Common Elements Configuration
- Configuring User Roles
- Configuring External Authentication
- Configuring DHCP on the Cisco NAS

Cisco NAC Appliance Implementation Options
- Implementing Cisco NAC Appliance In-Band Deployment
- Implementing the Microsoft Windows SSO Feature on the Cisco NAC Appliance
- Implementing the Cisco VPN SSO Feature on the Cisco NAC Appliance
- Implementing Cisco NAC Appliance Out-of-Band Deployment
- Managing Switches

Cisco NAC Appliance Implementation Labs
- Lab 1-1: Preparing the Cisco NAM to Support Web-Based Administration
- Lab 1-2: Configuring User Roles
- Lab 2-1: Configuring the Cisco NAC Appliance In-Band Deployment
- Lab 2-2: Configuring the Microsoft Windows Active Directory SSO Feature on the Cisco NAC Appliance
- Lab 3-1: Adding an In-Band Virtual Gateway Cisco NAS to the Cisco NAM
- Lab 3-2: Configuring the Cisco NAM to Implement the Cisco NAA on User Devices
- Lab 3-3: Configuring the Cisco VPN SSO Feature on the Cisco NAC Appliance
- Lab 3-4: Adding Cisco NAM High Availability
- Lab 3-5: Configuring SNMP, Switch, and Port Profiles for an Out-of-Band Cisco NAC Appliance Deployment

Cisco NAC Appliance Monitoring and Administration
- Monitoring a Cisco NAC Appliance Deployment
- Administering the Cisco NAM

Cisco NAC Appliance Labs
- Lab 1-1: Preparing the Cisco NAM to Support Web-Based Administration Console Configuration
- Lab 2-1: Configuring User Roles
- Lab 3-1: Adding an In-Band Virtual Gateway Cisco NAS to the Cisco NAM
- Lab 2-2: Configuring the Microsoft Windows Active Directory SSO Feature on the Cisco NAC Appliance
- Lab 3-3: Configuring the Cisco VPN SSO Feature on the Cisco NAC Appliance
- Lab 4-1: Configuring Cisco NAA
- Lab 4-2: Configuring a High Availability In-Band VPN Cisco NAC Appliance Solution
- 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

Further Information:
For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931
info@globalknowledge.co.uk
www.globalknowledge.co.uk
Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK