

NS3EDU.

 Learn Today  Earn Tomorrow

CCIE Security

COURSE OUTLINE

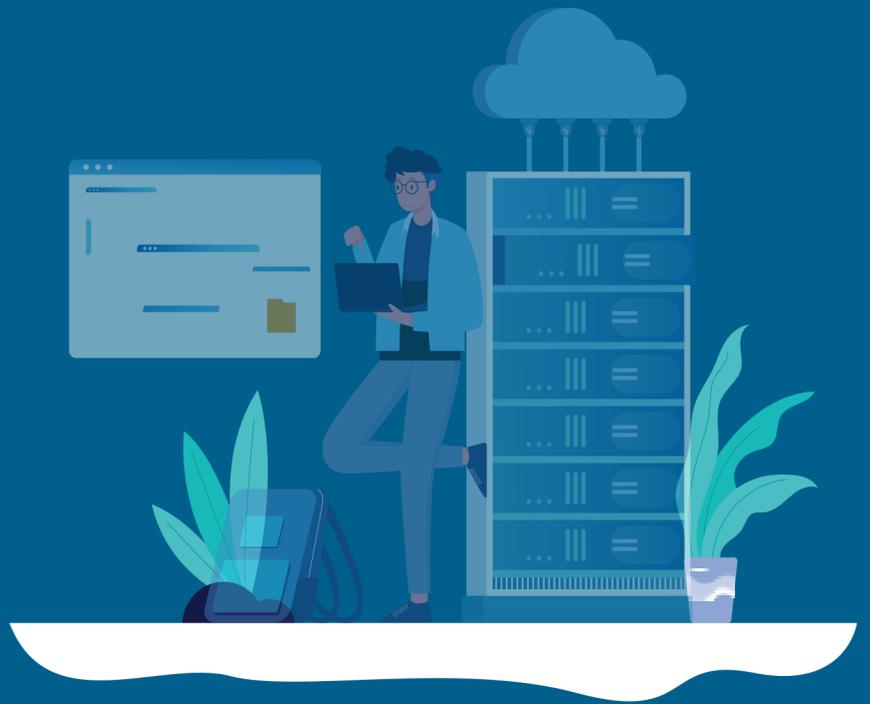


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NS3EDU:BRIDGE YOUR IT DREAMS TO REALITY



EMPOWERING CAREER THROUGH KNOWLEDGE

Looking to make it big in the world of IT networking? Look no further than NS3Edu! We help beginners learn the ropes & experienced pros master new skills. Come join us and build your dream career!



MISSION

The mission of NS3Edu is to

empower our candidates with in-depth knowledge of IT fundamentals along with real-time industry experience and also take 100% responsibility for the placement by making them Industry fit.

CERTIFICATES



VISION

In-depth knowledge + hands-on experience + analytical thinking = placement



ROADMAP OF JOB

PLACEMENT

Confused
in **Different**
Career Options



Qualifies-
Job Placement



Counselling &
Demo sessions



Opportunities
for **Job**
Placement



Student
Enrollment &
Induction
session



Screening by
Corporate **HR &**
Tech Team



Course
Kick off
(Live Classes)



2 Week **Technical**
Task Training



Access to
Recorded Sessions,
E book & Lab Manual



NS3 Tech
Industrial Exposure



Course **Completion**



WHAT MAKES US UNIQUE?

USP'S



COURSE OUTLINE

Week 1

- Deployment modes on Cisco ASA and Cisco FTD
- Firewall features on Cisco ASA and Cisco FTD
- Security features on Cisco IOS/IOS-X
- Cisco Firepower Management Center (FMC) features
- NGIPS deployment modes

Week 2

- Next Generation Firewall (NGFW) features
- Detect, and mitigate common types of attacks
- Clustering/HA features on Cisco ASA and Cisco FTD
- Policies and rules for traffic control on Cisco ASA & Cisco FTD
- Routing protocols security on Cisco IOS, Cisco ASA & Cisco FTD

Week 3

- Network connectivity through Cisco ASA and Cisco FTD
- Correlation and remediation rules on Cisco FMC
- AnyConnect client-based remote access VPN technologies on Cisco ASA, Cisco FTD, and Cisco Routers.
- Cisco IOS CA for VPN authentication
- FlexVPN, DMVPN, and IPsec L2L Tunnels

Week 4

- Uplink and downlink MACsec (802.1AE)
- VPN high availability using
- Infrastructure segmentation methods
- Micro-segmentation with Cisco TrustSec using SGT and SXP
- Device hardening techniques & control plane protection method

Week 5

- Management plane protection techniques
- Data plane protection techniques
- Layer 2 security techniques
- Wireless security technologies
- Monitoring protocols

Week 6

- Security features to comply with organizational security policies, procedures, and standards BCP 38
- Cisco SAFE model to validate network security design and to identify threats to different Places in the Network (PINs)
- Interaction with network devices through APIs using basic Python scripts
- Cisco DNAC Northbound APIs use cases
- ISE scalability using multiple nodes and personas

Week 7

- Cisco switches and Cisco Wireless LAN Controllers for network access AAA with ISE.
- Cisco devices for administrative access with ISE
- AAA for network access with 802.1X and MAB using ISE.
- Guest lifecycle management using ISE and Cisco Wireless LAN controllers
- BYOD on-boarding and network access flows

Week 8

- ISE integration with external identity sources
- Provisioning of AnyConnect with ISE and ASA
- Posture assessment with ISE
- Endpoint profiling using ISE and Cisco network infrastructure including device sensor
- Integration of MDM with ISE

Week 9

- Certificate-based authentication using ISE
- Authentication methods
- Identity mapping on ASA, ISE, WSA, and FTD
- pxGrid integration between security devices WSA, ISE, & Cisco FMC
- Integration of ISE with multi-factor authentication

Week 10

- Access control & single sign-on using Cisco DUO security technology
- AMP for networks, AMP for endpoints, and AMP for content security (ESA and WSA)
- Detect, analyze, and mitigate malware incidents
- Perform packet capture and analysis using Wireshark, tcpdump, SPAN, ERSPAN and RSPAN
- DNS layer security, intelligent proxy & user identification using Cisco Umbrella

Week 11

- Web filtering, user identification, and Application Visibility and Control (AVC) on Cisco FTD and WSA.
- WCCP redirection on Cisco devices
- Email security features
- HTTPS decryption and inspection on Cisco FTD, WSA and Umbrella
- SMA for centralized content security management
- Cisco advanced threat solutions and their integration: Stealthwatch, FMC, AMP, Cognitive Threat Analytics (CTA), Threat Grid, Encrypted Traffic Analytics (ETA), WSA, SMA, CTR, and Umbrellas

OUR PLACEMENT PARTNERS



Learning



Opportunity



Experience



Career

