



Citrix Networking Assessment, Design, and Advanced Configuration

Duration: 5 Days **Course Code: CNS-420** **Delivery Method: Virtual Learning**

Overview:

In this expert level 5-day training course you will be exposed to advanced networking and NetScaler concepts and configurations. Through lecture, lab exercises, and real-world case studies, you will learn to look critically at environment requirements, constraints, and business drivers to create a complex Citrix networking solution. Topics to be covered in this course include multi-site and multi-tenant deployments, advanced authentication and load balancing, and automation and orchestration and advanced troubleshooting.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

This course includes an exam.

Target Audience:

IT Professionals who are responsible for defining the overall structure or architecture of a Citrix networking environment.

Objectives:

- **After completing this course you should be able to:**
 - Identify and prioritize business drivers, constraints, and requirements using the Citrix Consulting methodology
 - Assess environment requirements and learn to apply leading design principles to address them in a multi-site NetScaler deployment
 - Apply advanced authentication and load balancing principles
 - Utilize NetScaler Management and Analytics System for automation and orchestration
 - Identify steps to take in advanced trouble shooting scenarios
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Prerequisites:

Attendees should meet the following prerequisites:

- Comprehensive understanding of basic and intermediate NetScaler features and functionalities.
- Proficiency in the topics covered in **CNS-220**; **CNS-222**; and **CNS-320** is required.

Testing and Certification

Recommended as preparation for the following exam:

- **1Y0-440** - Architecting a Citrix Network Solution
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Content:

Module 1: Networking Methodology and Assessment

- Understanding the Citrix methodology
- Business Drivers and Requirements
- User Segmentation
- Application Assessment
- Capabilities Assessment

Module 2: NetScaler Deployment Architecture and Topology

- Multi-Site Deployments
- Multi-Tenant Infrastructure
- Cloud Deployments

Module 3: Advanced Authentication and Authorization

- Authorization Policies
- Access Policies
- NetScaler Gateway Authentication
- nFactor Authentication

Module 4: NetScaler Security

- NetScaler Gateway
- Application Firewall

Module 5: VPN Configuration

- VPN Configuration
- Split Tunneling

Module 6: Advanced Traffic Management

- Advanced Load Balancing

Module 7: Global Server Load Balancing

- Advanced Global Server Load Balancing
- Load Balancing Across Data Centers

Module 8: NMAS Automation and Orchestration

- Automation
- Orchestration
- NITRO
- StyleBooks
- NMAS Double Hop Configuration

Module 9: Advanced Troubleshooting

- Troubleshooting Case Studies

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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