

# NetScaler ADC 14.x Administration

Course code: NS-201

Built for IT Professionals working with NetScaler ADC, with little to no previous NetScaler experience. Potential students include administrators, engineers, and architects interested in learning how to implement and manage NetScaler ADC features using leading practices. Product Versions Covered: NetScaler VPX v14.1 and NetScaler Console v14.1 This course replaces the discontinued course "CNS-225: Deploy and Manage NetScaler 13.x with Traffic Management".

## Who is the course for

Potential students include administrators, engineers, and architects interested in learning how to implement and manage NetScaler ADC features using leading practices. Product Versions Covered: NetScaler VPX v14.1 and NetScaler Console v14.1

This course prepares for the exam CCA-AppDS.

## What we teach you

Understand the functionalities and capabilities of NetScaler ADC  
How to obtain, install, and manage NetScaler ADC licenses  
Comprehend basic NetScaler network architecture  
Understand how SSL is used to secure NetScaler ADC  
Optimize the NetScaler system for traffic handling and management

## Required skills

This course requires little to no previous experience with NetScaler ADC; however, Citrix recommends a basic understanding of TCP/IP, HTTP, and of the OSI model, network devices, and networking protocols.

## Course outline

### Module 1: Getting Started

- Introduction to Citrix ADC
- Feature and Platform Overview
- Deployment Options
- Architectural Overview
- Setup and Management

### Module 2: Basic Networking

- Networking Topology
- Citrix ADC Components
- Routing
- Access Control Lists

### Module 3: High Availability

- Citrix ADC High Availability
- High Availability Configuration
- Managing High Availability
- In Service Software Upgrade
- Troubleshooting High Availability

### Module 4: Load Balancing

- Load Balancing Overview
- Load Balancing Methods and Monitors

#### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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- Load Balancing Traffic Types
- Load Balancing Protection
- Priority Load Balancing
- Load Balancing Troubleshooting

## Module 5: SSL Offloading

- SSL Overview
- SSL Configuration
- SSL Offload
- Troubleshooting SSL Offload
- SSL Vulnerabilities and Protections

## Module 6: Securing System Traffic

- Authentication, Authorization, and Auditing
- Configuring External Authentication
- Admin Partitions

## Module 7: Monitoring & Troubleshooting

- Citrix ADC Logging
- Monitoring with SNMP
- Reporting and Diagnostics
- AppFlow Functions
- Citrix Application Delivery Management
- Troubleshooting

## Module 8: Intro to Policies and Responder Policies

- Default Policy Overview
- Default Expression Syntax
- Policy Bindings
- AppExpert Additional Features
- Responder Policies

## Module 9: Rewrite & URL Transform

- Rewrite Policies
- DNS Rewrite
- URL Transformation

## Module 10: Advanced Policy Expressions

- Advanced/Default Policy Engine.
- Intro to Content Switching.
- Content Switching Policies
- Content Switching protection features

## Module 11: Optimization

- Citrix ADC Optimization Overview
- HTTP Compression
- Integrated Caching
- Front-End Optimization

## Module 12: Global Server Load Balancing

- GSLB Overview
- GSLB Architecture
- Content-Switching GSLB
- GSLB MEP and Monitoring
- Customizing GSLB

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[info@gopas.cz](mailto:info@gopas.cz)

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Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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