



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

---

**You can reach us at:**

Arrow ECS, Woluwedal 30, 1932 Sint-Stevens-Woluwe

Email: [education.ecs.benelux@arrow.com](mailto:education.ecs.benelux@arrow.com)

Phone: +32 2 332 19 57



# NetScaler ADC 14.x Advanced Features (Security and Management)

CODE:	LENGTH:	PRICE:
CTX_NS-301	40 Hours (5 days)	€3,500.00

## Description

### This course replaces the outdated CNS-320

Designed for experienced IT professionals, this course is best suited for individuals who will be deploying and/or managing Application Firewall, AAA for Application Traffic, and NetScaler Console (ADM) in their NetScaler environments.

You will leave this course with the skills required to deploy and manage NetScaler Web Application Firewall including types of web attacks, protections and signatures, the Adaptive learning engine, App Firewall policies and profiles, troubleshooting, and additional pertinent NetScaler security Features. You will be able to deploy AAA for Application Traffic with nFactor and understand concepts related to Login Schemas, Policy Labels, and customizations. You will also be able to deploy the NetScaler Console to manage a NetScaler environment.

Product Versions Covered: NetScaler VPX v14.1 and NetScaler Console v14.1

## Objectives

- Configure NetScaler Web Application Firewall including policies, profiles, signatures and error pages
- Mitigate various types of attacks using the NetScaler Web Application Firewall
- Utilize additional security features of the NetScaler such as Bot Management, Rate Limiting, HTTP
- Callout, IP Reputation, and AppQoE.
- Deploy AAA for Application Traffic and nFactor to control access to resources behind the NetScaler.
- Use NetScaler console to monitor and manage a NetScaler environment

## Audience

For administrators or engineers

## Prerequisites

Strong foundational knowledge of NetScaler ADC administration and traffic management Recommended Training:  
CNS-225 Deploy and Manage NetScaler ADC with Traffic Management  
CNS-227 Deploy and Manage NetScaler ADC with Gateway

## Programme

- The Business Problem
- Industry Standards
- Protection Methodologies

**Module 1: Introduction to WAF** • Introducing NetScaler Web App Firewall **Module 2: WAF Profiles, Policies, Monitoring**

- NetScaler Web App Firewall Policies, Profiles, and Learning
- Logging and Reporting
- Customizing Errors
- Signatures and Comment Stripping
- Security Checks and Data Flow
- URL Protections
- Top-Level Protections
- Advanced Form Protection Checks
- Rules and Adaptive Learning
- Credit Card Check
- Safe Object

### Module 3: Implementing Protections

- Bot Protection
- API Protection
- Responder Logging
- Content Inspection

### Module 4: Advanced Security Features

- IP Reputation
- HTTP Callout
- IP Rate Limiting

### Module 5: Security and Filtering

- Application Quality of Experience (AppQoE)
- Authentication, Authorization, and Auditing
- Intro to nFactor
- Policy Label
- Login Schemas
- Authentication Policy and Action

### Module 6: Introduction to AAA and nFactor Overview

- Supported Protocol
- Single Sign-On Overview
- Traffic Policies
- Security Assertion Markup Language (SAML)
- Certificate Authentication

### Module 7: nFactor Use Cases

- OAuth

### Module 8: AAA Customizations

### Module 9: Intro to NetScaler Console

- Portal Theme Customizations
- End User License Agreement (EULA)
- Custom Error Messages
- Introducing NetScaler Console
- NetScaler Console Service
- Getting Started with NetScaler Console
- Initial Configuration
- Instance Management
- User Management
- Instance Management
- Event Management
- SSL Certificate Management
- Unified Security Dashboard

### Module 10: Managing and Monitoring NetScaler Console

- Insights
- Stylebooks
- Config Management
- Configuration Audit

### Module 11: Managing Apps and Configs using NetScaler Console

- Actionable Tasks & Recommendations
- Connection Profiles
- SSL Profiles
- Net Profiles
- SSL Certificate Management

### Module 12: Tuning and Performance Optimizations

- RPC Nodes

## Test and Certification

Citrix Certified Professional - App Delivery and Security

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
20 Jan 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€3,500.00
17 Mar 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€3,500.00
19 May 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€3,500.00
21 Jul 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€3,500.00
15 Sep 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€3,500.00
10 Nov 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€3,500.00

### Additional Information

This training is also available as onsite training. [Please contact us to find out more.](#)