

Szkolenie: Infoblox
NIOS DDI Operations + Administration (INO+INA)



DOSTĘPNE TERMINY

2025-06-09 | 5 dni | Warszawa / Wirtualna sala

2025-06-30 | 5 dni | Virtual Classroom

Cel szkolenia:

The Infoblox NIOS DDI Operations + Administration course covers the general configuration, administration and use of the Infoblox NIOS Grid. Learn the fundamentals of the NIOS Grid and how to navigate the Grid Manager UI. Build a working knowledge of operator-level responsibilities in the NIOS Grid including the operation of DHCP services, DNS services and IPAM. Get hands-on experience with managing DHCP Objects and DNS Resource Records and using Extensible Attributes, Smart Folders, Global Search, DNS Views, and CSV Export functionality. Understand how DHCP Failover works. Build a working knowledge of administrator-level responsibilities in NIOS including managing NIOS Grid Members and understanding NTP Statistics. Learn the steps to complete the most executed DHCP, DNS, and IPAM configuration tasks in NIOS. Understand critical NIOS workflows including Approvals, CSV Import, and Remote Authentication.

Audience

NIOS DDI Operators and NIOS DDI Administrators. This course is for team members who will be conducting operator-level or/and administrator-level tasks in NIOS. It also provides the prerequisite learning to prepare team members intending to attend the NIOS DDI Expert (INE) course.

Plan szkolenia:

NIOS DDI Introduction Workshop (9201)

This workshop delves into the NIOS Grid fundamentals, covering its architecture, communication, and security. Lab exercises provide hands-on practice with the Grid Manager Interface, including service checks and dashboard configurations.

- MODULES
 - NIOS Grid Overview (1001)
 - Using the NIOS Grid Manager UI (1002)
- ASSOCIATED LABS

- Verifying services are running in NIOS (1500)
- Verifying NTP configuration in NIOS Grid (1501)
- Verifying NIOS Grid backup configuration (1502)
- Locating NIOS disaster recovery candidate (1503)
- Using NIOS Status Dashboard (1506)

NIO S DDI Grid Administrator Workshop (9231)

This workshop covers essential NIO S Grid functionalities including configuring settings, managing backups, interpreting NTP outputs, and scheduling tasks. Through hands-on exercises, you will learn to modify Grid settings, manage access and logs, streamline backups, and effectively use NTP services and support tools within the NIO S environment.

- MODULES
 - Configuring NIO S Grid Settings and Grid Redundancy (2001)
 - Managing NIO S Grid Members (2002)
 - Explaining NTP Statistics in NIO S (2003)
 - Configuring NIO S Scheduled Tasks (2007)
- ASSOCIATED LABS
 - Changing NIO S Grid session timeout (2500)
 - Configuring NIO S GM login banner (2501)
 - Enabling remote console access (SSH) for all NIO S Grid members (2502)
 - Configuring syslog settings in NIO S (2503)
 - Configuring scheduled backups over SCP in NIO S (2504)
 - Adding external NTP servers in NIO S (2506)
 - Enabling NTP services on NIO S members (2507)
 - Generating support bundles in NIO S (2509)

NIO S DDI DHCP Administration Workshop (9234)

Learn to configure DHCP services in NIO S, including networks, filters, defining DHCP options, and DHCP failover.

- MODULES
 - Configuring NIO S DHCP Service and Properties (2004)
 - Configuring NIO S DHCPv4 Failover (2019)
 - Configuring NIO S DHCP Networks and Filters (2024)
- ASSOCIATED LABS
 - Starting DHCPv4 service in NIO S (2510)
 - Configuring global DHCPv4 options in NIO S (2513)

- Creating DHCPv4 networks in NIOS (2514)
- Creating DHCPv4 failover associations in NIOS (2515)
- Creating DHCPv4 failover networks in NIOS (2516)
- Overriding inherited DHCP options in NIOS (2517)
- Creating a DHCPv4 option in NIOS (2518)

NIOS DDI DHCP Operations Workshop (9202)

This workshop introduces DHCP services in NIOS, touching on properties, network objects, and lease management, alongside DHCP failover. Lab exercises offer hands on practice with DHCP object updates, range configurations, fixed addresses, and more.

- MODULES
 - NIOS DHCP Service Overview (1003)
 - Managing NIOS DHCP Objects (1004)
 - NIOS DHCP Failover Overview (1013)
- ASSOCIATED LABS
 - Updating NIOS DHCP objects with Extensible Attributes (EA) (1508)
 - Creating DHCPv4 ranges in NIOS (1511)
 - Creating DHCPv4 fixed addresses in NIOS (1512)
 - Creating DHCPv4 reservations in NIOS (1513)
 - Creating DHCPv4 Failover ranges in NIOS (1514)

NIOS DDI DNS Service Administrator Workshop (9232)

Learn to create and manage various types of DNS zones in NIOS, including authoritative, delegated, and forward. Learn to configure DNS anycast for redundant DNS service. Learn to create and manage DNS views to separate DNS data by client sources.

- MODULES
 - Configuring NIOS DNS Services (2009)
 - Configuring NIOS DNS Anycast (2014)
 - Configuring NIOS DNS Views (2015)
- ASSOCIATED LABS
 - Allowing and restricting DNS queries in NIOS (2519)
 - Creating DNS name server groups in NIOS (2520)
 - Configuring Named ACLs in NIOS (2521)
 - Configuring Grid DNS resolvers in NIOS (2531)
 - Configuring DNS recursion in NIOS (2532)
 - Configuring DNS Anycast in NIOS (2536)

- Configuring DNS default forwarders in NIOS with fallback to root (2552)
- Creating DNS views in NIOS (2553)

NIOX DDI DNS Zone Administrator Workshop (9233)

Learn to create and configure various types of DNS zones in NIOX, including authoritative, delegated, forward, and reverse-mapping.

- MODULES
 - Configuring NIOX DNS Zones (2023)
- ASSOCIATED LABS
 - Creating authoritative primary zones in NIOX (2522)
 - Creating authoritative secondary zones in NIOX (2523)
 - Creating authoritative subzones in NIOX (2524)
 - Creating DNS delegated zones (delegations) in NIOX (2525)
 - Creating forward zones in NIOX (2526)
 - Creating IPv4 authoritative reverse-mapping zones in NIOX (2527)
 - Creating IPv6 authoritative reverse-mapping zones in NIOX (2528)

NIOX DDI DNS Operations Workshop (9203)

This workshop provides an introduction to NIOX DNS services, including navigating DNS menus, understanding properties inheritance, and configuring resource records. Lab exercises offer hands-on practice with updating DNS objects, managing hosts, handling records in subzones, and navigating multiple DNS views in NIOX.

- MODULES
 - NIOX DNS Service Overview (1006)
 - Managing NIOX DNS Resource Records (1007)
 - Using NIOX DNS Views (1009)
- ASSOCIATED LABS
 - Updating NIOX DNS objects with Extensible Attributes (EA) (1509)
 - Creating a Host in NIOX (1520)
 - Creating a Host with Next Available IP in NIOX (1521)
 - Creating entries in a sub zone in NIOX (1522)
 - Deleting a DNS entry in NIOX (1523)
 - Restoring a DNS entry in NIOX (1524)
 - Managing resource records with DNS views in NIOX (1529)

NIOX DDI IPAM Administrator Workshop (9235)

Learn to create and manage extensible attributes (EA) in NIOS to organize IPAM information. Learn to use network discovery to locate more network information.

- MODULES
 - Configuring NIOS Extensible Attributes (EA) and Smart Folders (2005)
 - Configuring NIOS IPAM and Discovery (2010)
 - Using NIOS CSV Import (2011)
- ASSOCIATED LABS
 - Creating extensible attributes (EA) in NIOS (2508)
 - Managing network containers in NIOS (2537)
 - Using IPAM Net Maps in NIOS (2538)
 - Discovering networks in NIOS (2539)

NIOS DDI IPAM Operations Workshop (9204)

This workshop highlights NIOS extensible attributes, introduces the NIOS IPAM system, and outlines data export methods. Labs offer hands-on practice with filtering data with EAs, using Smart Folders, and exporting data to CSV in NIOS.

- MODULES
 - Using NIOS Extensible Attributes and Smart Folders (1005)
 - Using NIOS IP Address Management (IPAM) and Global Search (1008)
 - Using NIOS CSV Export (1014)
- ASSOCIATED LABS
 - Filtering and exporting data from NIOS (1504)
 - Creating NIOS Smart Folders (1505)
 - Using NIOS Global Smart Folders (1507)
 - Exporting object data from NIOS (1510)

NIOS DDI User Administration Workshop (9236)

Learn to configure NIOS account permissions, object permissions, and approval workflows. Learn to configure NIOS to allow user logins with remote authentications such as Active Directory (AD).

- MODULES
 - Configuring NIOS Administrator Accounts and Permissions (2006)
 - Configuring NIOS Approval Workflows (2008)
 - Configuring NIOS Remote Authentication (2018)
- ASSOCIATED LABS
 - Applying global permissions in NIOS (2534)
 - Applying object permissions in NIOS (2535)

- Configuring remote authentication in NIOS (2551)

Wymagania:

Attendees should have a fundamental understanding of networking. If you are new to networking, consider the DDI Associate course for an introduction to DDI and related networking topics.

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by Infoblox (course completion).

Prowadzący:

Authorized Infoblox Instructor