

Training: Infoblox
NIO S DDI Operations + Administration (INO+INA)

TRAINING TERMS

2025-10-06 | 5 days | Kraków / Virtual Classroom
2025-10-06 | 5 days | Warszawa / Virtual Classroom
2025-10-13 | 5 days | Kraków / Virtual Classroom
2025-11-24 | 5 days | Kraków / Virtual Classroom
2025-12-08 | 5 days | Kraków / Virtual Classroom

TRAINING GOALS:

The Infoblox NIO S DDI Operations + Administration course covers the general configuration, administration and use of the Infoblox NIO S Grid. Learn the fundamentals of the NIO S Grid and how to navigate the Grid Manager UI. Build a working knowledge of operator-level responsibilities in the NIO S 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 NIO S including managing NIO S Grid Members and understanding NTP Statistics. Learn the steps to complete the most executed DHCP, DNS, and IPAM configuration tasks in NIO S. Understand critical NIO S workflows including Approvals, CSV Import, and Remote Authentication.

Audience

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

CONSPECT:

NIO S DDI Introduction Workshop (9201)

This workshop delves into the NIO S 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
 - NIO S Grid Overview (1001)

- Using the NIO S Grid Manager UI (1002)
- ASSOCIATED LABS
 - Verifying services are running in NIO S (1500)
 - Verifying NTP configuration in NIO S Grid (1501)
 - Verifying NIO S Grid backup configuration (1502)
 - Locating NIO S disaster recovery candidate (1503)
 - Using NIO S 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 NIOS (2510)
- Configuring global DHCPv4 options in NIOS (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)

NIO S DDI DNS Zone Administrator Workshop (9233)

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

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

NIO S DDI DNS Operations Workshop (9203)

This workshop provides an introduction to NIO S 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 NIO S.

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

NIO S DDI IPAM Administrator Workshop (9235)

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

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

NIO S DDI IPAM Operations Workshop (9204)

This workshop highlights NIO S extensible attributes, introduces the NIO S 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 NIO S.

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

NIO S DDI User Administration Workshop (9236)

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

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

- Applying object permissions in NIOS (2535)
- Configuring remote authentication in NIOS (2551)

REQUIREMENTS:

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.

Difficulty level



CERTIFICATE:

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

TRAINER:

Authorized Infoblox Instructor