

Domain Controllers Migration from Windows

Madrid (Spain)

9 - 13 December 2024

UK Traininig

PARTNER



Domain Controllers Migration from Windows

Code: IT28 From: 9 - 13 December 2024 City: Madrid (Spain) Fees: 5100 Pound

Introduction:

This course offers in-depth knowledge and hands-on guidance for migrating domain controllers from Windows Server 2012 to Windows Server 2019 in an offline environment. Participants will learn best practices for a secure and efficient migration of Active Directory, user profiles, DNS and DHCP services, and other essential configurations to the new server environment.

Course Objectives:

By the end of this course, participants will be able to:

- Plan and execute a domain controller migration in an offline environment.
- Migrate critical configurations and data, including Active Directory, DNS, DHCP, and user profiles.
- Update domain and forest functional levels.
- Modify server gateways and safely demote legacy domain controllers.

Course Outline:

Day 1: Preparing for Migration

- Introduction to Migration Processes

Overview of the migration process, from planning to implementation, with a focus on offline migration considerations.

- Assessing the Existing Domain Environment

Conducting an inventory of current domain controllers, identifying dependencies, and reviewing network settings.

- Planning for Domain and Forest Functional Level Upgrades

Key steps for upgrading to 2016 functional levels, covering compatibility requirements and benefits.

- Preparing the New Windows Server 2019 Environment

Essential configuration steps for Windows Server 2019, including initial setup and Active Directory preparation.

- Backup and Recovery Preparations



Creating system backups and Active Directory snapshots for recovery in case of migration issues.

Day 2: Setting Up and Configuring New Domain Controllers

- Installing Active Directory on Windows Server 2019
Step-by-step setup process and best practices for domain controller installation.
- Configuring Network Settings and IPs for New Domain Controllers
IP and gateway configuration for connectivity in offline scenarios, ensuring consistent network settings.
- Migrating DNS to the New Domain Controller
DNS migration, including exporting records, configuring forwarders, and verifying the new setup.
- Migrating DHCP to the New Domain Controller
Step-by-step transfer of DHCP scopes, reservations, and options to ensure service continuity.
- Testing DNS and DHCP Services on the New Domain Controller
Methods to confirm DNS and DHCP functionality, including client testing and DNS resolution checks.

Day 3: Migrating User Profiles and Roaming Profile Paths

- Overview of User Profile Migration Process
Review of options for transferring user data, focusing on roaming profiles from the old to the new server.
- Migrating Roaming Profiles and Updating Profile Paths
Steps to migrate roaming profiles and update profile paths in Active Directory.
- Ensuring Data Integrity in Profile Migration
Tools and methods to preserve profile data accessibility post-migration.
- Testing Profile Access on the New Server
Testing user access to profiles to verify permissions and settings.
- Troubleshooting Common Profile Migration Issues
Addressing frequent issues with permissions, file paths, and corrupted profiles.

Day 4: Raising Domain and Forest Functional Levels & Transferring FSMO Roles

- Understanding Domain and Forest Functional Levels
Exploring benefits and requirements of upgrading to 2016 functional levels.
- Raising Domain Functional Level to 2016
Step-by-step upgrade process, testing, and validation.
- Raising Forest Functional Level to 2016
Implications of forest-level upgrades, verification, and compatibility.
- Transferring FSMO Roles to New Domain Controllers
Understanding FSMO roles and detailed steps for transferring these roles.
- Verifying FSMO Role Transfers and Troubleshooting Issues
Confirming successful role transfer and troubleshooting tips for common issues.

Day 5: Post-Migration Tasks and Cleanup

- Changing Gateways of All Servers to the New Domain Controller's Gateway
Updating network settings to route traffic through the new domain controller for optimized connectivity.
- Demoting Legacy Domain Controllers
Safe methods for demoting and removing Windows Server 2012 domain controllers post-migration.
- Validating the New Domain Controller Environment
Comprehensive testing of the new environment to ensure all services, including DNS and DHCP, are operational.
- Monitoring and Maintenance Post-Migration
Best practices for ongoing monitoring and maintenance to prevent issues.
- Wrap-Up and Q&A Session
Recap of core concepts, open discussion, and answering participant question



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



BLACKBIRD
FOR TRAINING

 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

