

## Domain Controllers Migration from Windows

*London (UK)*

*6 - 10 January 2025*

UK Training

# PARTNER



## Domain Controllers Migration from Windows

Code: IT28 From: 6 - 10 January 2025 City: London (UK) 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)



Anney (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



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

