

The Challenge Labs Windows Server Library is a 180-day subscription that includes access to 90 Challenge Labs related to Windows Server.

Challenge Labs are goal oriented, short-duration, scenario-based hands-on exercises, and an excellent way to provide additional skills development and assessment.

As new Challenge Labs are released, you will gain automatic access to them for the duration of your subscription.

Audience

- IT Professionals who are looking to keep up to date on features and functionality for a particular technology
- IT Professionals who are responsible for supporting multiple technologies
- IT Professional/Developers who are preparing for vendor certification exams

Challenge Labs Topics

Advanced Automated Administration PowerShell

ADVPS-000	Getting Started with Advanced PowerShell [Getting Started]
ADVPS-001	Create a Basic Script in Windows PowerShell [Guided]
ADVPS-002	Create a Module using PowerShell [Guided]
ADVPS-003	Create an Advanced Module [Guided]
ADVPS-004	Create a Menu Script [Guided]
ADVPS-005	Create an HTML Report [Guided]
ADVPS-006	Implement Custom Error Handling [Guided]
ADVPS-007	Work with Custom XML Data [Guided]
ADVPS-008	Install Roles and Features using PowerShell DSC [Guided]
ADVPS-009	Use Breakpoints to Analyze and Debug a Script [Guided]
ADVPS-010	Implement a Windows PowerShell Workflow [Guided]

Windows Server: Install & Configure ADDS

ICADDS-000	Getting Started with Managing an Active Directory Infrastructure [Getting Started]
ICADDS-001	Add and Manage Domain Controllers [Guided]
ICADDS-002	Deploy and Configure a Read-Only Domain Controller [Guided]
ICADDS-003	Can you Configure an Active Directory Domain Services Infrastructure? [Advanced]
ICADDS-004	Back Up Active Directory and SYSVOL [Guided]
ICADDS-005	Restore Objects in Active Directory [Guided]
ICADDS-006	Perform Offline Defragmentation of the Active Directory Database [Guided]
ICADDS-007	Can You Maintain an Active Directory Domain Services Database? [Advanced]

ICADDS-008	Configure Multiple User Principal Name Suffixes [Guided]
ICADDS-009	Manage Active Directory Sites [Guided]
ICADDS-010	Configure a Forest Trust Relationship [Guided]
ICADDS-011	Can You Manage Active Directory Domain Services in a Complex Environment? [Advanced]
ICADDS-012	Can You Manage an Active Directory Domain Services Environment? [Expert]

Windows Server: Implement High Availability

IHA-000	Getting Started with Implement High Availability in Windows Server 2016 [Getting Started]
IHA-001	Implement High Availability and Disaster Recovery Options in Hyper-V [Guided]
IHA-002	Implement Failover Clustering for Highly Available File Server for General Use [Guided]
IHA-003	Can You Implement High Availability in Windows Server 2016? [Advanced]
IHA-004	Implement Storage Spaces Direct in a Scale Out File Server Cluster [Guided]
IHA-005	Manage failover clustering in a Hyper-V Host Cluster [Guided]
IHA-006	Implement Network Load Balancing [Guided]
IHA-007	Can You Configure Enterprise High Availability? [Advanced]
IHA-008	Can You Configure Multiple Layers of High Availability in Windows Server 2016 [Expert]

Windows Server: Manage ADDS Objects

MADDSO-000	Getting Started with Manage ADDS Objects [Getting Started]
MADDSO-001	Manage Active Directory Groups [Guided]
MADDSO-002	Manage Active Directory Users [Guided]
MADDSO-003	Can You Create and Manage Active Directory Users and Groups? [Advanced]
MADDSO-004	Manage Organizational Units [Guided]
MADDSO-005	Create and Manage Group Policy Objects (GPOs) [Guided]
MADDSO-006	Configure Group Policy Settings and Preferences [Guided]
MADDSO-007	Configure Group Policy Processing [Guided]
MADDSO-008	Can You Implement and Manage Group Policy? [Advanced]
MADDSO-009	Configure Account Lockout Policy Settings [Guided]
MADDSO-010	Configure Domain and Local Password Policy Settings [Guided]
MADDSO-011	Delegate Passwords Settings Management [Guided]
MADDSO-012	Can You Manage Active Directory Account Lockout and Policy Settings? [Advanced]
MADDSO-013	Can You Manage Active Directory Domain Services? [Expert]

Automated Administration PowerShell

- PS-000 Getting Started with PowerShell [Getting Started]
- PS-001 Manage Local User Accounts using Windows PowerShell [Guided]
- PS-002 Manage Network Settings Using Windows PowerShell [Guided]
- PS-003 Sort and Select Objects in the Pipeline using Windows PowerShell [Guided]
- PS-004 Filtering Objects in the Pipeline Using Windows PowerShell [Guided]
- PS-005 Enumerating Objects in the Pipeline using Windows PowerShell [Guided]
- PS-006 Use Variables in Windows PowerShell [Guided]
- PS-007 Use Arrays in Windows PowerShell [Guided]
- PS-008 Work with Object Variables in Windows PowerShell [Guided]
- PS-009 Run Background Jobs in Windows PowerShell [Guided]
- PS-010 Create Scheduled Jobs with Windows PowerShell [Guided]
- PS-011 Schedule Tasks Using Windows PowerShell [Guided]

Windows Server: Monitoring

- WSM-000 Getting Started with Windows Server Monitoring [Getting Started]
- WSM-001 Use Event Viewer and Performance Monitor [Guided]
- WSM-002 Monitor a Server by Using Windows Server Monitoring Tools [Guided]
- WSM-003 Can you use monitoring tools in Windows Server 2016? [Advanced]
- WSM-004 Remotely administer servers by using Windows PowerShell [Guided]
- WSM-005 Remotely administer servers by using Windows GUI tools [Guided]
- WSM-006 Can you remotely administer Windows Server 2016? [Advanced]
- WSM-007 Monitor Windows Server 2016 by using Windows PowerShell [Guided]
- WSM-008 Configure servers by using PowerShell Desired State Configuration [Guided]
- WSM-009 Can you configure and monitor servers by using PowerShell? [Advanced]
- WSM-010 Can you administer and monitor Windows Server 2016? [Expert]

Windows Server: Networking

- WSN-000 Getting Started with Windows Server Networking [Getting Started]
- WSN-001 Troubleshoot IPv4 Connectivity [Guided]
- WSN-002 Establish DHCP Relay [Guided]
- WSN-003 Establish IPv6 Connectivity [Guided]
- WSN-004 Deploy an IPAM Environment [Guided]
- WSN-005 Can You Configure a Multi-Subnet Environment? [Advanced]
- WSN-006 Configure a Multi-zone DNS Environment [Guided]
- WSN-007 Configure a Web Application Proxy [Guided]
- WSN-008 Implement DirectAccess [Guided]
- WSN-009 Implement VPN Connectivity [Guided]

- WSN-010 Implement BranchCache and DFS for a Branch Office [Guided]
- WSN-011 Can you Establish Connectivity for Internet-based Clients? [Advanced]
- WSN-012 Can You Configure a Multi-subnet Enterprise with Mobile Clients? [Expert]

Windows Server: Storage

- WSS-000 Getting Started with Windows Server Storage [Getting Started]
- WSS-001 Configure basic and dynamic disks [Guided]
- WSS-002 Configure Storage Spaces [Guided]
- WSS-004 Configure Data Deduplication [Guided]
- WSS-005 Can you configure storage in Windows Server 2016? [Advanced]
- WSS-006 Configure iSCSI targets and initiators [Guided]
- WSS-007 Configure network file sharing by using SMB and NFS [Guided]
- WSS-008 Can you configure iSCSI, SMB, and NFS in Windows Server 2016? [Advanced]
- WSS-009 Deploy and configure Windows Server 2016 Server Core [Guided]
- WSS-010 Use MDT to prepare Windows Server 2016 deployments [Guided]
- WSS-011 Can You Deploy and Configure Windows Server Core? [Advanced]

Windows Server 2019 Deployment and Administration

- WSDA-001 Deploy Windows Server 2019 Server Core [Guided]
- WSDA-002 Deploy Active Directory Domain Services in Windows Server 2019 Server Core [Guided]
- WSDA-003 Can You Deploy and Configure Windows Server 2019 Server Core? [Advanced]
- WSDA-004 Deploy Windows Admin Center in Windows Server 2019 [Guided]
- WSDA-005 Deploy Windows Admin Center in Windows Server 2019 Server Core [Guided]
- WSDA-006 Manage Computers by Using Windows Admin Center [Guided]
- WSDA-007 Install and Manage Windows Admin Center Extensions [Guided]
- WSDA-008 Implement Remote Server Administration by Using Windows Admin Center [Guided]
- WSDA-009 Manage Certificates by Using Windows Admin Center [Guided]
- WSDA-010 Can You Administer Computers by Using Windows Admin Center? [Advanced]
- WSDA-011 Monitor Windows Server 2019 [Guided]
- WSDA-012 Create Performance Monitor Data Collector Sets [Guided]
- WSDA-013 Identify the Source of a Performance Problem in Windows Server 2019 [Guided]
- WSDA-014 Configure Centralized Event Logs in Windows Server 2019 [Guided]
- WSDA-015 Configure System Insights by Using Windows Admin Center [Guided]
- WSDA-016 Can You Monitor Windows Server 2019? [Advanced]
- WSDA-017 Can You Deploy and Administer Windows Server 2019? [Expert]

Windows Server 2019 Hybrid Administration

- WSHA-000 [Getting Started with Windows Server 2019 Hybrid Administration \[Getting Started\]](#)
- WSHA-001 [Deploy Windows Server 2019 on an Azure Virtual Machine \[Guided\]](#)
- WSHA-002 [Protect an Azure Virtual Machine That Runs Windows Server 2019 by Using Azure Security Groups \[Guided\]](#)
- WSHA-003 [Manage Windows Server 2019 Running on an Azure Virtual Machine by Using the Run Command \[Guided\]](#)
- WSHA-004 [Manage Windows Server 2019 on an Azure Virtual Machine by Using the Serial Console \[Guided\]](#)
- WSHA-005 [Can You Implement Windows Server 2019 on Azure Virtual Machines? \[Advanced\]](#)
- WSHA-005 [Manage Windows Server 2019 on an Azure Virtual Machine by Using Azure Policy Guest Configuration \[Guided\]](#)
- WSHA-007 [Implement Integration Between Active Directory Domain Services and Azure Active Directory \[Guided\]](#)
- WSHA-008 [Configure Windows Admin Center to Support Azure Hybrid Services \[Guided\]](#)
- WSHA-009 [Manage an Azure Virtual Machine Running Windows Server 2019 by Using Windows Admin Center \[Guided\]](#)
- WSHA-011 [Configure Administrative Access and Security to an Azure Virtual Machine Running Windows Server 2019 \[Guided\]](#)
- WSHA-012 [Can You Administer a Windows Server 2019 Hybrid Environment? \[Advanced\]](#)
- WSHA-013 [Can You Implement Windows Server 2019 Hybrid Administration? \[Expert\]](#)