

uCertify

Course Outline

**Installing and Configuring
Windows Server 2012 R2 Lab**



Contents

1. Expert Instructor-Led Training
2. ADA Compliant & JAWS Compatible Platform
3. State of the Art Educator Tools
4. Award Winning Learning Platform (LMS)
5. Performance Based Labs

Lab Tasks

Here's what you get

1. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

2. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can

easily navigate uCertify course using JAWS shortcut keys.

3. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assignments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

4. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
 1. Best Postsecondary Learning Solution

- **2015**
 1. Best Education Solution
 2. Best Virtual Learning Solution
 3. Best Student Assessment Solution
 4. Best Postsecondary Learning Solution
 5. Best Career and Workforce Readiness Solution
 6. Best Instructional Solution in Other Curriculum Areas
 7. Best Corporate Learning/Workforce Development Solution

- **2016**
 1. Best Virtual Learning Solution

2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

5. Performance Based Labs

uCertify's performance-based labs are simulators that provides virtual environment. Labs deliver hands on experience with minimal risk and thus replace expensive physical labs. uCertify Labs are cloud-based, device-enabled and can be easily integrated with an LMS. Features of uCertify labs:

- Provide hands-on experience in a safe, online environment
- Labs simulate real world, hardware, software & CLI environment
- Flexible and inexpensive alternative to physical Labs
- Comes with well-organized component library for every task
- Highly interactive - learn by doing
- Explanations and remediation available
- Videos on how to perform

Lab Tasks

- Installing Windows Server 2012
- Installing Windows Server Migration Tools
- Converting the GUI interface to the Server Core interface
- Installing the FTP server under the Web Server role
- Installing the Group Policy Management Tools feature
- Starting the Windows PowerShell utility
- Initializing disk drives
- Converting a basic disk into a dynamic disk
- Configuring an iSCSI storage connection
- Configuring the iSNS feature
- Configure Local Storage
- Install and Configure Servers
- Configure Disk Pools
- Managing Failover Clustering and Storage Pools
- Installing a DNS server
- Setting dynamic updates
- Creating DNS resource records

- Configuring a zone for dynamic updates
- Creating DNS domains
- Performing simple DNS tests
- Installing DHCP Server
- Configuring a DHCP Server
- Unauthorizing a DHCP Server
- Authorizing a DHCP Server
- Creating a new user class
- Configuring user class options
- Deploy and Configure DHCP Service
- Deploy and Configure DNS Service
- Viewing disk configuration
- Installing the Active Directory Domain Services role
- Installing AD DS on server core
- Install Domain Controllers
- Install AD DS on Server Core
- Monitoring the routing status
- Configuring a shared network folder for offline access
- Creating a Share with Server Manager
- Configuring offline folder options
- Defining a new quota entry
- Configuring disk quotas
- Installation of the Print and Document Services Role
- Installing a new printer
- Scheduling Printer Access
- Deploying printers using Active Directory
- Adding and removing groups from a printer's properties
- Installing an Internet Printing client
- Installing the Windows Migration feature using PowerShell
- Configure File and Share Access
- Configure Print and Document Services
- Configure Windows Firewall
- Configuring Work Folders
- Creating an organizational unit using Active Directory Users and Computers

- Moving an organizational unit
- Delegating custom tasks
- Deleting an OU
- Creating a group using Active Directory Administrative Center
- Creating and publishing a shared folder
- Creating computer objects
- Creating a user template
- Creating a single user
- Resetting an existing computer account
- Resetting a password
- Managing group properties
- Creating a global security group
- Managing object properties
- Nesting objects
- Delegating administration
- Managing printers
- Creating an organizational unit using Windows PowerShell
- Create and Manage AD Groups and OUs
- Create and Manage Active Directory Users and Computers
- Deleting the web browsing history
- Editing a new GPO
- Adding a group to the GPO
- Applying security policies by using Group Policy
- Creating and linking a new GPO to an OU
- Applying maximum security log size
- Applying security policy settings
- Configuring the Certificate Services Client - Auto Enrollment policy
- Creating a Starter GPO
- Creating group policy objects from Starter GPO
- Creating a GPO and linking it with the existing GPO
- Removing groups from GPOs
- Creating automatically generated executable rules
- Defining software restrictions policies
- Configure Application Restriction Policies

- Create Group Policy Objects
- Enabling an active desktop
- Prohibiting user access to Control Panel and PC
- Viewing auditing data
- Enabling audit logon events for success and failure
- Enabling auditing of Active Directory objects
- Creating an inbound rule
- Allowing apps through the Windows Firewall Control Panel
- Configure Security Policies
- Creating a DHCPv4 Scope
- Locating the DHCPv4 Scope
- Creating a DHCPv6 Scope
- Creating an IPv4 Superscope
- Creating a New Multicast Scope
- Enabling DHCP-DNS Integration
- Enabling DNS Recursive Name Server IPv6 Address List
- Installing IPAM Server
- Configure IPv4 and IPv6 Addressing
- Creating a virtual hard disk
- Installing the Hyper-V role
- Installing the Web Server IIS server role
- Editing a virtual hard disk file
- Creating a virtual switch
- Installing the Hyper-V Management Tools feature
- Creating a VM with an existing virtual hard disk
- Creating a Pass-through disk
- Creating a snapshot
- Applying a snapshot
- Configuring a dynamic memory
- Creating a virtual network
- Create and Configure Virtual Machine Settings
- Create and Configure Virtual Machine Storage
- Create and Configure Virtual Networks
- Configure Network Interface Card Teaming in VMs

Here's what you get

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PERFORMANCE BASED
LAB

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VIDEO TUTORIALS

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