

Microsoft® Official Course



20412D

Configuring Advanced Windows
Server® 2012 Services



Welcome!

Thank you for joining us today.

We've worked together with Microsoft Learning Partners and Microsoft IT Academies to bring you a world-class learning experience, including:

Microsoft Certified Trainers + Instructors. Your instructor is a premier technical and instructional expert who meets ongoing certification requirements.

Customer Satisfaction Guarantee. Our Partners offer a satisfaction guarantee and we hold them accountable for it. At the end of class, please complete an evaluation of

today's experience. We value your feedback!

Certification Benefits. After training, consider pursuing a Microsoft Certification, to help distinguish your technical expertise and experience. Ask your instructor about available exam promotions and discounts.

We wish you a great learning experience and ongoing career success!



Hello

- **Instructor:** <Instructor Name>
- <Title or other credentials, e.g. Microsoft Certified Trainer>
- <Affiliation/Company>
- <A few words about my technical and professional experience>

Student Introductions

- Name
- Company affiliation
- Title/function
- Job responsibility
- Windows Server experience
- Your expectations for the course

Facilities

- Class hours
- Building hours
- Parking
- Restrooms
- Meals
- Phones
- Messages
- Smoking
- Recycling
- Emergency Procedures

About This Course – Audience

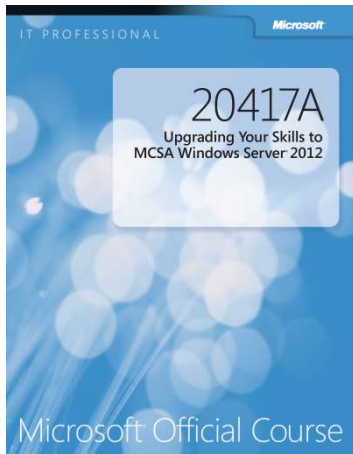
- This course is intended for information technology (IT) professionals who have hands-on experience implementing, managing, and maintaining a Windows Server 2012 or Windows Server 2012 R2 environment who wish to acquire the skills and knowledge necessary to perform advanced services management and provisioning within that Windows Server 2012 environment.

About This Course – Prerequisites

- This course requires that you meet the following prerequisites:
- Experience working with Windows Server 2008 or Windows Server 2012 servers day to day in an enterprise environment.
- Knowledge equivalent to the content covered in courses 20410D: Installing and Configuring Windows Server 2012; and 20411D: Administering Windows Server 2012

Your Course Materials (Optional)

Designed to optimize your classroom learning experience.
And support you back on the job.



Microsoft Official Course Handbook

- Printed Courseware Book
- Organized by modules
- Includes labs and Lab Answer Keys
- Module reviews and takeaways are great for on-the-job reference

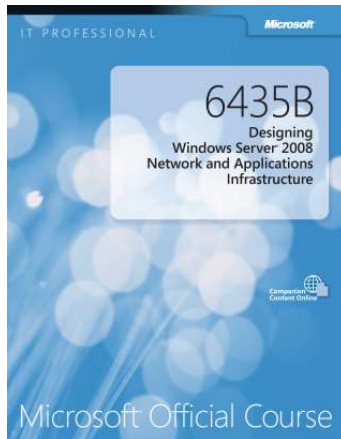


Digital Companion Content

- Supplemental content and helpful links
- Download at:
<http://www.microsoft.com/learning/companionmoc>

Your Course Materials (Optional)

Microsoft Official Course Handbook



- Accessed online using the Arvato Skillpipe reader at <http://skillpipe.courseware-marketplace.com/reader>
- Registration/Login and redeem your digital courseware
- Add notes, add comments, and highlight content just as you would with printed materials
- Organized by modules
- Includes Labs and Lab Answer Keys
- Module Reviews and Takeaways—great for on-the-job reference

Digital Companion Content



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Course Outline

- Module 1: Implementing Advanced Network Services
- Module 2: Implementing Advanced File Services
- Module 3: Implementing Dynamic Access Control
- Module 4: Implementing Distributed Active Directory Domain Services Deployments
- Module 5: Implementing Active Directory Domain Services Sites and Replication
- Module 6: Implementing Active Directory Certificate Services
- Module 7: Implementing Active Directory Rights Management Services
- Module 8: Implementing and Administering AD FS

Course Outline *(continued)*

- Module 9: Implementing Network Load Balancing
- Module 10: Implementing Failover Clustering
- Module 11: Implementing Failover Clustering with Hyper-V
- Module 12: Implementing Business Continuity and Disaster Recovery

Related Courses

- 20410D: Installing and Configuring Windows Server 2012
- 20411D: Administering Windows Server 2012

See the full line of Microsoft Training and Certification resources at:
<http://www.microsoft.com/learning/>

Microsoft Certification Program

Get trained. Get certified.
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Microsoft Certifications demonstrate you that have the skills to design, deploy, and optimize the latest technology solutions.

Ask your Microsoft Learning Partner how you can prepare for certification.

Also see:

<http://www.microsoft.com/learning/certification>

Microsoft Certified
Solutions Expert

Microsoft Certified
Solutions Associate



Windows Certification Paths

MCSA Windows Server 2012

Exam 70-410
(20410)
Installing and
Configuring
Windows
Server 2012



Exam 70-411
(20411)
Administering
Windows
Server 2012



Exam 70-412
(20412)
Configuring
Advanced
Windows
Server 2012
Services



MCSE Server Infrastructure

Exam 70-413
(20413)
Designing and
Implementing a
Server
Infrastructure



Exam 70-414
(20414)
Implementing
an Advanced
Server
Infrastructure

OR

Exam 70-417
(20417)
Upgrading
Your Skills to
MCSA
Windows



MCSE Desktop Infrastructure

Exam 70-415
(20415)
Implementing
a Desktop
Infrastructure



Exam 70-416
(20416)
Implementing
Desktop
Application
Environments

MCSA Windows 8

Exam 70-687
(20687)
Configuring
Windows 8.1



Exam 70-688
(20688)
Supporting
Windows 8.1

OR

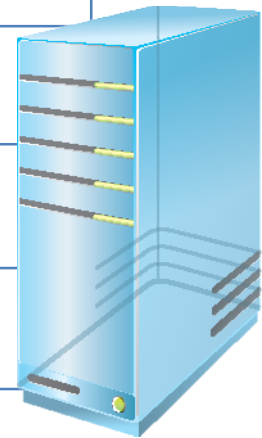
Exam 70-689
(20689)
Upgrading Your
Skills to MCSA
Windows 8

Preparing for the Labs

- Your lab activities will be centered around a fictitious company that we will call A. Datum Corporation
- By working through the labs, you will learn how to configure a Windows Server 2012 R2 infrastructure that has Windows 8.1 clients
- To complete the labs, you will work in a virtual machine environment

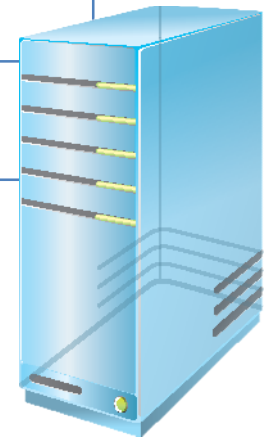
Virtual Machine Environment

Virtual Machine Name:	Use as:
20412D-LON-DC1/-B	Windows Server 2012 Domain controller in the Adatum.com domain
20412D-LON-CA1	Windows Server 2012 Standalone server
20412D-LON-CL1	Windows 8 client computer Member of the Adatum.com domain
20412D-LON-CL2	Windows 8 client computer Member of the Adatum.com domain
20412D-LON-CORE	Windows Server 2012 Member server in the Adatum.com domain
20412D-LON-SVR1/-B	Windows Server 2012 Member server in the Adatum.com domain
20412D-LON-SVR2	Windows Server 2012 Member server in the Adatum.com domain
20412D-LON-SVR3	Windows Server 2012 Member server in the Adatum.com domain



Virtual Machine Environment *(Continued)*

Virtual Machine Name:	Use as:
20412D-LON-SVR4	Windows Server 2012 Member server in the Adatum.com domain
20412D-TREY-CL1	Windows 8 client computer Member of the Treyresearch.net domain
20412D-TREY-DC1	Windows Server 2012 Domain controller in the Treyresearch.net domain
20412D-LON-HOST1	Windows Server 2012 Member server in the Adatum.com domain
20412D-LON-HOST2	Windows Server 2012 Member server in the Adatum.com domain
20412D-TOR-DC1	Windows Server 2012 Member server in the Adatum.com domain



Demonstration: Using Microsoft Labs Online *(Optional)*

In this demonstration, you will learn how to:

- Access the Microsoft Labs Online lab environment
- Access the Lab notes
- Switch between virtual machines

Note: Carefully read the Lab Notes because some procedures related to on-premise versus online labs may be different and have slightly different steps. Any differences will be called out in the Lab Notes.

Demonstration: Using Hyper-V Manager (Optional)

In this demonstration, you will learn how to:

- Open Hyper-V Manager
- Navigate the various sections/panes within Hyper-V Manager
 - Virtual Machines (VMs), Snapshots, and Actions: Server-specific and VM-specific
- Identify the VMs used in the labs for this course
- Take a Snapshot and Apply a Snapshot
- Connect to a VM
- Start and log on to a VM
- Switch between full screen and window modes
- Revert to the previous Snapshot
- Shut down a VM
 - When to use Shut Down or Turn off
- Close Hyper-V Manager

Demonstration: Navigation in Windows Server 2012 (*Optional*)

In this demonstration, you will learn how to:

- Configure Hyper-V to use Windows key combinations in the virtual machine
- Sign in and sign out
- Access applications
- Access Control Panel
- Use shortcut keys