

## **Exam Ref 70 412 Configuring Advanced Windows Server 2012 R2 Services Mcsa Configuring Advanced Windows Server 2012 R2 Services**

Prepare for Exam 70-417—and help demonstrate your real-world mastery of Windows Server 2012 core infrastructure services. Microsoft Exam 70-417 is an upgrade exam that is a composite of three standalone exams: 70-410, 70-411, and 70-412. Exam 70-417 validates skills related to the core technology features and functionality of Windows Server 2012, from the existing knowledge base of a Microsoft Certified Systems Administrator (MCSA) on Windows Server 2008. Exam Ref is organized by exam objectives and features challenging, what-if scenarios that focus on the critical skills and knowledge measured by the certification exam. When you pass Exam 70-417, you complete the requirements for the MCSA: Windows Server 2012 certification. It also counts as credit toward MCSE: Server Infrastructure and MCSE: Desktop Infrastructure (additional exams

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required). Objectives include: EXAM  
70-410: Installing and Configuring  
Windows Server 2012 Install and  
Configure Servers Configure Server  
Roles and Features Configure Hyper-V  
Install and Administer Active Directory  
EXAM 70-411: Administering Windows  
Server 2012 Deploy, Manage, and  
Maintain Servers Configure Network  
Services and Access Configure a Network  
Policy Server Infrastructure Configure  
and Manage Active Directory Configure  
and Manage Group Policy EXAM 70-412:  
Configuring Advanced Windows Server  
2012 Services Configure and Manage High  
Availability Configure File and Storage  
Solutions Implement Business Continuity  
and Disaster Recovery Configure Network  
Services Configure Identity and Access  
Solutions

Fully updated for Windows Server 2012  
R2! Designed to help enterprise  
administrators develop real-world, job-  
role-specific skills - this Training  
Guide focuses on core infrastructure  
administration for Windows Server 2012  
R2. Build hands-on expertise through a  
series of lessons, exercises, and  
suggested practices - and help maximize

your performance on the job. This Microsoft Training Guide Focuses on job-role-specific expertise for core infrastructure administration tasks Fully updated for Windows Server 2012 R2, including new practices Provides in-depth, hands-on training you take at your own pace Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-411 Topics include: Deploying and updating Windows Server 2012 R2 Managing account policies and service accounts Configuring name resolution Administering Active Directory Managing Group Policy application and infrastructure Configuring Group Policy settings and preferences Administering network policies Administering remote access Managing file services Monitoring and auditing Windows Server 2012 R2

Exam 70-417 is an upgrade exam that is a composite of three standalone exams: 70-410, 70-411, and 70-412. Exam 70-417 validates skills related to core features and functionality of Windows Server 2012 R2, from the existing

# Download Ebook Exam Ref 70 412 Configuring Advanced Windows Server 2012 R2 Services

Mcsa Configuring Advanced Windows Server  
2012 R2 Services.

knowledge base of a Microsoft Certified Systems Administrator for Windows Server 2008. Mackin helps you prepare for the exam by focusing on the core technical skills.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book.

Prepare for Microsoft Exam 70-762, Developing SQL Databases –and help demonstrate your real-world mastery of skills for building and implementing databases across organizations.

Designed for database professionals who build and implement databases across organizations and who ensure high levels of data availability, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives:

- Design and implement database objects
- Implement programmability objects
- Manage database concurrency
- Optimize database objects and SQL infrastructure

This Microsoft Exam Ref: • Organizes its coverage by exam objectives •

Features strategic, what-if scenarios

to challenge you • Assumes you have working knowledge of Microsoft Windows, Transact-SQL, and relational databases

About the Exam Exam 70-762 focuses on skills and knowledge for building and implementing databases across organizations and ensuring high levels of data availability. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of modern database development. Exam 70-761 (Querying Data with Transact-SQL) is also required for MCSA: SQL 2016 Database Development. See full details at:

[microsoft.com/learning](http://microsoft.com/learning)

Exam Ref 70-414 Implementing an  
Advanced Server Infrastructure (MCSE)

MCSA Windows Server 2012

Training Guide Configuring Advanced  
Windows Server 2012 R2 Services (MCSA)

Advanced Solutions of Microsoft  
SharePoint Server 2013

Exam Ref 70-532 Developing Microsoft  
Azure Solutions

Exam Ref 70-411

Prepare for the MCSA Windows Server 2012 R2 Exams

Microsoft's new version of the MCSA certification for Windows Server 2012 R2 requires passing three exams (or one Upgrade exam if you have your MCSA or MCITP in Windows Server 2008). This value-priced study guide includes more than 1,000 pages of quality exam-prep content, covering 100% of the objective domains of all three exams (as well as the Upgrade exam, 70-417). In addition, you get access to an interactive practice test environment with more than 500 questions, electronic flashcards, and videos showing how to perform the more difficult tasks. Both first-time MCSA candidates and those wishing to upgrade from Server 2008 certification will benefit from this complete test-prep guide.

Completely updated to cover the Windows Server 2012 R2 Exams Provides a comprehensive study guide for all three MCSA Windows Server 2012 R2 exams: 70-410, 70-411, and 70-412, as well as the Upgrade exam:

70-417 Covers installing and configuring Windows Server 2012; deploying and configuring DNS service; administering Active Directory; creating and managing Group Policy Objects; and configuring server roles and features, Hyper-V, and core networking services

Explains basic networking concepts, DHCP, deploying and maintaining servers, configuring a network policy server infrastructure and high availability in Windows Server 2012, and much more Features real-world scenarios, hands-on exercises, practice exam questions, electronic flashcards, and over an hour of video demonstrations

Covers all exam objectives MCSA Windows Server 2012 R2 Complete Study Guide arms you with all the information you must master to achieve

MCSA certification on Windows Server 2012 R2.

Microsoft Windows Server is a multi-purpose server designed to increase reliability and flexibility of a network infrastructure. Windows Server is the paramount tool used by enterprises in their datacenter and desktop strategy. The most recent versions of Windows Server also provide both server and client virtualization. Its ubiquity in the enterprise results in the need for networking professionals who know how to plan, design, implement, operate, and troubleshoot networks relying on Windows Server. Microsoft Learning is preparing the next round of its Windows Server Certification program with exams covering the new version of the software, Windows Server 2012. The exams and certification path change significantly from the previous version of Windows Server. This provides an opportunity for the MS line to capitalize on the dual disruption of brand-new software and brand-new certifications.

Prepare for Microsoft Exam 70-740—and help demonstrate your real-world mastery of Windows Server 2016 installation, storage, and compute features and capabilities. Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives:

- Install Windows Servers in host and compute environments
- Implement storage solutions
- Implement Hyper-V
- Implement Windows containers
- Implement high availability
- Maintain and monitor server environments

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features

strategic, what-if scenarios to challenge you • Assumes you have experience working with Windows Server in an enterprise environment; are familiar with core networking infrastructure, topologies, architectures, and protocols; and have experience with Windows clients and virtualization About the Exam Exam 70-740 focuses on the skills and knowledge necessary to implement and configure storage and compute features and functionality in Windows Server 2016. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of core Windows Server 2016 skills for reducing IT costs and delivering more business value. Exam 70-741 (Networking with Windows Server 2016) and Exam 70-742 (Identity with Windows Server 2016) are also required for MCSA: Windows Server 2016 certification. See full details at: [microsoft.com/learning](http://microsoft.com/learning)

Complete exam coverage, hands-on practice, and interactive study tools for the MCSA: Administering Windows Server 2012 R2 exam 70-411 MCSA: Windows Server 2012 R2 Administration Study Guide: Exam 70-411 provides comprehensive preparation for exam 70-411: Administering Windows Server 2012 R2. With full coverage of all exam domains, this guide contains everything you need to know to be fully prepared on test day. Real-world scenarios illustrate the practical applications of the lessons, and hands-on exercises allow you to test yourself against everyday tasks. You get access to an interactive practice test environment that helps you avoid surprises on exam day, plus



electronic flashcards and video demonstrations showing how to perform some of the more difficult tasks. Exam 70-411 is one of three exams you must pass to become a Microsoft Certified Solutions Associate (MCSA) on Windows Server 2012 R2 and a clear path to increasing your value and marketability in the workplace. The exam reflects the 2012 update to the OS, including the new enhancements to Hyper-V, Storage Spaces, and Active Directory. This guide gives you the information and practice you need to master all aspects of Windows Server 2012 R2 for test. Learn how to: Deploy, manage, and maintain servers Configure file and print servers, network services, and more Manage and configure Active Directory and Group Policy Review real-world scenarios, video, and interactive study aids If you're looking to master Windows server administration before the exam, MCSA: Windows Server 2012 R2 Administration Study Guide is a complete and comprehensive prep tool to give you the confidence you need to succeed.

Exam Ref 70-744 Securing Windows Server 2016  
MCSA 70-411

Exam Ref 70-410 Installing and Configuring Windows  
Server 2012 R2 (MCSA)

Exam Ref 70-417

Exam Ref 70-413

MCSA Windows Server 2012 R2 Administration Study  
Guide

***Prepare for Microsoft Exam 70-487—and help demonstrate your real-world mastery of developing Windows Azure and web***

**services. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Accessing data Querying and manipulating data by using the Entity Framework Designing and implementing WCF Services Creating and consuming Web API-based services Deploying web applications and services This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.**

**This 70-412 Configuring Advanced Windows Server 2012 R2 Services textbook covers the third of three exams required for Microsoft Certified Solutions Associate (MCSA): Windows Server 2012 certification. This course will help validate the skills and knowledge necessary to administer a Windows Server 2012 Infrastructure in an enterprise environment. The three MCSA exams collectively validate the skills and knowledge necessary for implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. This Microsoft Official Academic Course is mapped to the 70-412 Configuring Advanced Windows**

**Server 2012 Services exam skills, including the recent R2 objectives. This textbook focuses on real skills for real jobs and prepares students to prove mastery of Advanced Windows Server 2012 Services such as advanced configuring tasks necessary to deploy, manage, and maintain a Windows Server 2012 infrastructure. It covers such skills as fault tolerance, certificate services, and identity federation. In addition, this book also covers such valuable skills as:**

- **Implementing Advanced Network Services**
- **Implementing Advanced File Services**
- **Implementing Dynamic Access Control**
- **Implementing Network Load Balancing**
- **Implementing Failover Clustering**
- **Implementing Disaster Recovery**
- **Implementing Active Directory Certificate Services (AD CS)**
- **Implementing Active Directory Federation Services (AD FS)**

**The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft**

**Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy.**

**The study guide helps you master all the topics on the MCSA 70-410 exam, including the following: Installing and configuring Windows Server 2012 Configuring storage, shares, and permissions Configuring and monitoring print and document services Configuring Hyper-V and Hyper-V Network Virtualization Configuring IPv4 and IPv6 Addressing Configuring DHCP and DNS Managing and Configuring Active Directory Domain Services Securing Windows Server 2012 MCSA 70-410 Cert Guide: Installing and Configuring Windows Server 2012 R2 is a best-of-breed exam study guide. Best-selling authors and expert instructors Don Poulton and David Camardella share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam**

**Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The companion CD contains the powerful Pearson IT Certification Practice Test engine, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CD contains two free, complete practice exams. Includes Exclusive Offer for 70% Off Premium Edition eBook and Practice Test Don Poulton (A+, Network+, Security+, MCSA, MCSE) is an independent consultant who has worked with computers since the days of 80-column punch cards. He has consulted extensively with training providers, preparing study materials for Windows technologies. He has written or contributed to several Que titles, including Security+ Lab Manual,**

**MCSA/MCSE 70-299 Exam Cram 2, MCTS 70-620 Exam Prep, and MCSA 70-687 Cert Guide: Configuring Microsoft Windows 8.1. David Camardella, an expert on deploying and administering Microsoft technologies, has served as technical reviewer on several previous Pearson Microsoft certification titles.**

**Prepare for Microsoft Exam 70-532--and help demonstrate your real-world mastery of Microsoft Azure solution development. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Design and implement Websites Create and manage Virtual Machines Design and implement Cloud Services Design and implement a storage strategy Manage application and network services This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Will be valuable for Microsoft Azure developers, solution architects, DevOps engineers, and QA engineers Assumes you have experience designing, programming, implementing, automating, and monitoring Microsoft Azure solutions and that you are proficient with tools,**

**techniques, and approaches for building scalable, resilient solutions**

**Developing Microsoft Azure Solutions About the Exam**

**Exam 70-532 focuses on the skills and knowledge needed to develop Microsoft Azure solutions that include websites, virtual machines, cloud services, storage, application services, and network services.**

**About Microsoft Certification Passing this exam earns you a Microsoft Specialist certification in Microsoft Azure, demonstrating your expertise with the Microsoft Azure enterprise-grade cloud platform. You can earn this certification by passing Exam 70-532, Developing Microsoft Azure Solutions; or Exam 70-533, Implementing Microsoft Azure Infrastructure Solutions; or Exam 70-534, Architecting Microsoft Azure Solutions. See full details at: [microsoft.com/learning](http://microsoft.com/learning)**

**Windows Server 2008 Applications Infrastructure, Configuring**

**MCSE Configuring Advanced Windows Server 2012 Services Exam 70-412**

**Exam Ref 70-698 Installing and Configuring Windows 10**

**Upgrading Your Skills to MCSA Windows Server 2012 R2**

**MCSA Windows Server 2012 R2 Complete Study Guide**

**Upgrading Your Skills to Windows Server**

## **2012 R2**

**Fully updated for Windows Server 2012 R2!**

**Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on configuration of advanced services in Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices - and help maximize your performance on the job. This Microsoft Training Guide: Focuses on job-role-specific expertise for advanced**

**configuration tasks Fully updated for Windows Server 2012 R2, including new practices**

**Provides in-depth, hands-on training you take at your own pace Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-412 Topics include: Advanced Active Directory Infrastructure Active Directory Sites and Replication Advanced DHCP and DNS Active Directory Certificate Services Backup and Recovery Advanced File Services and Storage High Availability Site Resilience Dynamic Access Control and Active Directory Rights Management Services Active Directory Federation Services**

**Annotation Prepare for Exam 70-412 and help demonstrate your real-world mastery of advanced configuring tasks necessary to**



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2012 R2 Services**  
deploy, manage, and maintain Windows Server  
2012. Designed for experienced IT professionals  
ready to advance their status Exam Ref focuses  
on the critical-thinking and decision-making  
acumen needed for success at the MCSA level.  
Focus on the expertise measured by these  
objectives: Configure and Manage High  
Availability Configure File and Storage  
Solutions Implement Business Continuity and  
Disaster Recovery Configure Network  
Services Configure the Active Directory  
Infrastructure Configure Identity and Access  
Solutions.

Fully updated for Windows Server 2012 R2!  
Prepare for Microsoft Exam 70-411 - and help  
demonstrate your real-world mastery of  
administering Windows Server infrastructure in  
an enterprise environment. Designed for  
experienced IT professionals ready to advance  
their status, Exam Ref focuses on the critical-  
thinking and decision-making acumen needed  
for success at the MCSA or MCSE level. Focus  
on the expertise measured by these objectives:  
Deploy, manage, and maintain servers Configure  
file and print services Configure network  
services and access Configure a Network Policy  
Server infrastructure Configure and manage  
Active Directory Configure and manage Group  
Policy This Microsoft Exam Ref: Organizes its

**coverage by objectives for Exam 70-411.**

**Features strategic, what-if scenarios to challenge candidates. Designed for IT professionals who have real-world experience administering a Windows Server 2012 R2 infrastructure in an enterprise environment.**

**Note: Exam 70-411 counts as credit toward MCSA and MCSE certifications**

**Prepare for Exam 70-332—and help demonstrate your real-world mastery of Microsoft SharePoint Server 2013. Designed for experienced IT**

**Professionals ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSE level. Focus on the expertise**

**measured by these objectives: Plan Business Continuity Management Plan a SharePoint Environment Upgrade and Migrate a SharePoint Environment Create and Configure Service Applications Manage SharePoint Solutions, BI, and Systems Integration**

**Exam Ref 70-762 Developing SQL Databases Configuring Advanced Windows Server 2012 R2 Services**

**Exam Ref 70-417 Upgrading from Windows Server 2008 to Windows Server 2012 R2 (MCSA) MCSA 70-412**

**Exam Ref 70-487 Developing Windows Azure and Web Services (MCSD)**

## **70-412 Configuring Advanced Windows Server 2012 R2 Services**

Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on core infrastructure administration for Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices - and help maximize your performance on the job. This Microsoft Training Guide: Focuses on job-role-specific expertise for core infrastructure administration tasks Fully updated for Windows Server 2012 R2, including new practices Provides in-depth, hands-on training you take at your own pace Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-411 Topics include: Deploying and updating Windows Server 2012 R2 Managing account policies and service accounts Configuring name resolution Administering Active Directory Managing Group Policy application and infrastructure Configuring Group Policy settings and preferences Administering network policies Administering remote access Managing file services Monitoring and auditing Windows Server 2012 R2

Fully updated for Windows Server 2012 R2! Prepare for Microsoft Exam 70-412—and help demonstrate your real-world mastery of advanced configuration tasks for Windows Server infrastructure. Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA or MCSE level. Focus on the expertise measured by these objectives: Configure and manage high availability Configure file and storage solutions

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2012 R2 Services

Implement business continuity and disaster recovery Configure network services Configure the Active Directory infrastructure Configure access and information protection solutions This Microsoft Exam Ref: Organizes its coverage by objectives for Exam 70-412. Features strategic, what-if scenarios to challenge candidates. Designed for IT professionals who have real-world experience configuring Windows Server 2012 R2 services in an enterprise environment. Note: Exam 70-412 counts as credit toward MCSA and MCSE certifications

\* we updated this book in Feb 2015 \*Exam 70-412 has coverage on: - Implementing Advanced Network Services- Implementing Advanced File Services- Implementing Dynamic Access Control- Implementing Network Load Balancing- Implementing Failover Clustering- Implementing Disaster Recovery- Implementing AD CS- Implementing AD FS To succeed in the exam, you need to read as many reference books as possible. There is no single book that can cover everything! This Exam FOCUS book focuses on the more difficult topics that will likely make a difference in exam results. The book is NOT intended to guide you through every single official topic. You should therefore use this book together with other reference books for the best possible preparation outcome. Prepare for Microsoft Exam 70-339—and help demonstrate your real-world mastery of planning, configuring, and managing Microsoft SharePoint 2016 core technologies in datacenters, in the cloud, and in hybrid environments. Designed for experienced IT pros ready to advance their status, this Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSE level. Focus on the skills measured on the exam: • Design SharePoint infrastructure • Plan authentication and security • Plan

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Mcsa Configuring Advanced Windows Server  
2012 R2 Services  
workload optimization • Plan productivity solutions • Manage  
search capabilities • Plan and configure cloud services •

Monitor and optimize a SharePoint environment This  
Microsoft Exam Ref: • Organizes its coverage by the “Skills  
measured” posted on the exam webpage • Features strategic,  
what-if scenarios to challenge you • Provides exam preparation  
tips • Points to in-depth material by topic for exam candidates  
needing additional review • Assumes experience planning and  
maintaining SharePoint and related core technologies,  
including Windows Server 2012 R2 or later, Internet  
Information Services (IIS), Microsoft SQL Server 2014 or  
later, Active Directory, and networking infrastructure services  
Administering Windows Server 2012 R2

Implementing an Advanced Server Infrastructure  
Training Guide Administering Windows Server 2012 R2  
(MCSA)

The Book Thief

Exam 70-413 Designing and Implementing a Server  
Infrastructure

*Prepare for Microsoft Exam 70-698—and help  
demonstrate your real-world mastery of  
Windows 10 installation and configuration.  
Designed for experienced IT pros ready to  
advance their status, this Exam Ref focuses  
on the critical-thinking and decision-making  
acumen needed for success at the MCSA  
level. Focus on the skills measured on the  
exam: • Prepare for and perform Windows 10  
installation • Configure devices and device*

*drivers • Perform post-installation configuration • Implement Windows in the enterprise • Configure and support networking, storage, data access, and usage • Implement apps • Configure remote management • Configure updates, recovery, authorization, authentication, and management tools • Monitor Windows This Microsoft Exam Ref: • Organizes its coverage by the “Skills measured” posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Provides exam preparation tips written by top trainers • Points to in-depth material by topic for exam candidates needing additional review • Assumes you are an IT pro looking to validate your skills in and knowledge of installing and configuring Windows 10*

*MCTS Exam Cram Windows Server 2008 Applications Infrastructure, Configuring Exam 70-643 Patrick Regan Covers the critical information you’ll need to know to score higher on Exam 70-643! Administer Windows Server 2008 and Core Server using the Control Panel, Computer Management Console, Server Management Console, and other system tools Install roles and features in Windows Server 2008 Use Windows Deployment Services to centrally manage the*

*entire deployment process in any Windows environment Implement secure, reliable infrastructure for deploying websites and services Efficiently configure and manage disks, volumes, partitions, and server clusters Ensure high availability in production environments Configure Terminal Services RemoteApp, Gateway, load balancing, resources, licensing, client connections, and server options Configure Windows Media Server and Digital Rights Management to deliver audio and video content Deploy virtual machines using Hyper-V and Microsoft's other virtualization solutions Run Microsoft Windows SharePoint Services to provide effective collaboration*

*WRITTEN BY A LEADING EXPERT: Patrick Regan, MCSE, MCSA, MCITP, MCT, A+, Network+, Server+, Linux+, Security+, CTT+, CCNA, CNE, has been a PC technician and network administrator/ engineer for 13 years. Regan has conducted formal and informal training as an IT administrator at Heald Colleges and a product support engineer for Intel. He has received Heald Colleges' Teacher of the Year award and several awards from Intel. He is currently a senior network engineer at Pacific Coast Companies, where he supports 160 servers and 70 sites. Regan is the author of*

*several books, including MCTS 70-620 Exam Cram: Microsoft Windows Vista, Configuring: IT Essentials: PC Hardware and Software Labs and Study Guide, Third Edition; and Troubleshooting the PC with A+ Preparation, Third Edition.*

*"Designed to help enterprise administrators develop real-world, job-role-specific skills--this Training Guide focuses on configuring advanced infrastructure services in Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices--and help maximize your performance on the job"--Back Cover.*

*This is the print lab manual adjacent to the 70-412 Configuring Advanced Windows Server 2012 R2 Services textbook. 70-412 Configuring Advanced Windows Server 2012 R2 Services covers the third of three exams required for Microsoft Certified Solutions Associate (MCSA): Windows Server 2012 certification. This course will help validate the skills and knowledge necessary to administer a Windows Server 2012 Infrastructure in an enterprise environment. The three MCSA exams collectively validate the skills and knowledge necessary for implementing, managing, maintaining and*



*provisioning services and infrastructure in a Windows Server 2012 environment. This Microsoft Official Academic Course is mapped to the 70-412 Configuring Advanced Windows Server 2012 Services exam skills, including the recent R2 objectives. This textbook focuses on real skills for real jobs and prepares students to prove mastery of Advanced Windows Server 2012 Services such as advanced configuring tasks necessary to deploy, manage, and maintain a Windows Server 2012 infrastructure. It covers such skills as fault tolerance, certificate services, and identity federation. In addition, this book also covers such valuable skills as:*

- Implementing Advanced Network Services •*
- Implementing Advanced File Services •*
- Implementing Dynamic Access Control •*
- Implementing Network Load Balancing •*
- Implementing Failover Clustering •*
- Implementing Disaster Recovery •*

*Implementing Active Directory Certificate Services (AD CS) • Implementing Active Directory Federation Services (AD FS) The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets*

*Mcsa Configuring Advanced Windows Server  
2012 R2 Services*  
instructors ready to teach and students ready  
for work by delivering essential resources in  
5 key areas: Instructor readiness, student  
software, student assessment, instruction  
resources, and learning validation. With the  
Microsoft Official Academic course program,  
you are getting instructional support from  
Microsoft; materials that are accurate and  
make course delivery easy. Request your  
sample materials today.

*Developing Windows Azure and Web Services  
Exam Ref MD-100 Windows 10*

*Upgrading Your Skills to MCSA Windows  
Server 2012*

*Exams 70-410, 70-411, 70-412, and 70-417*

*MCTS 70-643 Exam Cram*

*Exam 70-410 Installing and Configuring  
Windows Server 2012*

*This Microsoft Official Academic Course (MOAC) IT*

*Professional curriculum prepares certification students for success  
every step of the way. This 70-413 Designing and Implementing a  
Server Infrastructure exam course is the first of a series of two  
exams Microsoft Certified Solutions Associates (MCSE) candidates  
are required to pass to gain the MCSE: Windows Server 2012 and  
Windows Server 2012 R2 certification. These MCSE exams test the  
skills and knowledge necessary to design, implement, and maintain  
a Windows Server 2012 infrastructure in an enterprise scaled,  
highly virtualized environment. Passing these exams confirms  
students' ability to plan, configure, and implement the Windows  
Server 2012 services, such as server deployment, server  
virtualization, and network access and infrastructure. This*

*complete ready-to-teach MOAC program is mapped to all of the exam objectives.*

*Prepare for Microsoft Exam MD-100: Windows 10—and help demonstrate your real-world mastery of skills and knowledge required to deploy, configure, secure, manage, and monitor Windows devices and client applications. Designed for Windows administrators, Exam Ref MD-100: Windows 10 focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Associate level. Focus on the expertise measured by these objectives: Deploy Windows Manage devices and data Configure connectivity Maintain Windows This Microsoft Exam Ref MD-100: Windows 10: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you have some experience administering Windows 10 and non-Windows devices and technologies About the Exam Exam MD-100: Windows 10 focuses on knowledge needed to deploy Windows; perform post-installation configuration; manage local users, local groups, and devices; configure data access and protection; configure devices with local policies; manage Windows security; configure networking; configure remote connectivity; configure system and data recovery; manage updates; and monitor and manage Windows. About Microsoft Certification Passing this exam and Exam MD-101: Managing Modern Desktops fulfills your requirements for the Microsoft 365 Certified: Modern Desktop Administrator Associate certification credential, demonstrating your ability to install Windows 10 operating systems and deploy and manage modern desktops and devices in an enterprise environment. See full details at: [microsoft.com/learn](https://microsoft.com/learn) This is the Lab Manual to accompany Exam 70-412 Configuring Advanced Windows Server 2012 Services. This 70-412 Configuring Advanced Windows Server 2012 Services textbook covers the third of three exams required for Microsoft Certified Solutions Associate (MCSA): Windows Server 2012 certification. This course will help validate the skills and knowledge necessary to administer*

*a Windows Server 2012 Infrastructure in an enterprise environment. The three MCSA exams collectively validate the skills and knowledge necessary for implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. This Microsoft Official Academic Course is mapped to the 70-412 Configuring Advanced Windows Server 2012 Services exam objectives. This textbook focuses on real skills for real jobs and prepares students to prove mastery of Advanced Windows Server 2012 Services such as advanced configuring tasks necessary to deploy, manage, and maintain a Windows Server 2012 infrastructure. It covers such skills as fault tolerance, certificate services, and identity federation. In addition, this book also covers such valuable skills as: Implementing Advanced Network Services Implementing Advanced File Services Implementing Dynamic Access Control Implementing Network Load Balancing Implementing Failover Clustering Implementing Disaster Recovery Implementing Active Directory Certificate Services (ADCS) Implementing Active Directory Federation Services (ADFS) The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy. Request your sample materials today.*

*Exam Ref 70-412 Configuring Advanced Windows Server 2012 Services Exam Ref 70-412 Configuring Advanced Windows Server 2012 R2 Services*

*Exam Ref 70-410, 70-411, 70-412*

*Exam Focus Study Notes & Review Questions 2014 Edition, Also*

*Covers Windows Server 2012 R2*

*Administering Windows Server 2012*

*Exam 70-412 Configuring Advanced Windows Server 2012  
Services*

*Exam Ref 70-741 Networking with Windows Server 2016*

*Designing and Implementing a Server Infrastructure*

*Annotation Fully updated! Prepare for*

*Microsoft Exam 70-413 - and help*

*demonstrate your real-world mastery*

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infrastructure in an enterprise environment.*

*Designed for experienced IT professionals*

*ready to advance their status, Exam Ref*

*focuses on the critical-thinking and decision-  
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*MCSE level. Focus on the expertise measured*

*by these objectives:Plan and deploy a server  
infrastructureDesign and implement network*

*infrastructure servicesDesign and implement*

*network access servicesDesign and*

*implement an Active Directory infrastructure  
(logical)Design and implement an Active*

*Directory infrastructure (physical)This*

*Microsoft Exam Ref:Is fully updated for*

*Windows Server 2012 R2Organizes its*

*coverage by objectives for Exam*

*70-413Features strategic, what-if scenarios to*

*challenge candidatesDesigned for IT*

*professionals responsible for designing,*

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Server 2012 infrastructure in an enterprise-  
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Available Enterprise Infrastructure Plan and  
Implement a Server Virtualization  
Infrastructure Design and Implement Identity  
and Access Solutions

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Prepare for Microsoft Exam 70-417 - and help  
demonstrate your real-world mastery of  
Windows Server 2012 R2 core infrastructure  
services. Exam 70-417 is an upgrade exam  
that is a composite of three standalone  
exams: 70-410, 70-411, and 70-412. Exam  
70-417 validates skills related to core features  
and functionality of Windows Server 2012 R2,  
from the existing knowledge base of a  
Microsoft Certified Systems Administrator for  
Windows Server 2008. Focus on the expertise

*measured by these objectives: EXAM 70-410  
Install and configure servers Configure server  
roles and features Configure Hyper-V Deploy  
and configure core network services Install  
and administer Active Directory EXAM 70-411  
Deploy, manage, and maintain servers  
Configure network services and access  
Configure a network policy server  
infrastructure Configure and manage Active  
Directory Configure and manage Group Policy  
EXAM 70-412 Configure and manage high  
availability Configure file and storage  
solutions Implement business continuity and  
disaster recovery Configure network services  
Configure identity and access solutions This  
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exam objectives. Features strategic, what-if  
scenarios to challenge you.*

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never been busier, and will become busier  
still. Liesel Meminger is a foster girl living  
outside of Munich, who scratches out a  
meager existence for herself by stealing when*

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Designed to help enterprise administrators develop real-world, job-role-specific skills—this Training Guide focuses on advanced configuration of services necessary to deploy, manage and maintain a Windows Server 2012 infrastructure. Build hands-on expertise through a series of lessons, exercises, and suggested practices—and help maximize your performance on the job. This Microsoft Training Guide: Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for deploying and managing advanced infrastructure services in Windows Server 2012 Creates a foundation of

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*Microsoft Exam 70-741 is for IT Pros interested in enhancing their skills for the latest version of Windows Server. This exam validates skills and knowledge for configuring advanced tasks required to deploy, manage, and maintain a Windows Server 2016 infrastructure, such as fault tolerance, certificate services, and identity federation.*

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- Implement Domain Name System (DNS)*
- Implement DHCP*
- Implement IP Address Management (IPAM)*
- Implement network connectivity and remote access solutions*
- Implement core and distributed network solutions*
- Implement an advanced network infrastructure*

*This Microsoft Exam Ref:*

- Organizes its*

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*coverage by the "Skills measured" posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Points to in-depth material by topic for exam candidates needing additional review • Assumes you are an IT pro looking to validate your skills in and knowledge of installing and configuring Windows Server 2016*

*Exam 70-411 Administering Windows Server 2012  
70-412 Configuring Advanced Windows Server 2012  
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