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Exam Ref MCSA 70-410 - Craig Zacker 2012-12-15

Prepare for Exam 70-410 and help demonstrate your real-world mastery of Windows Server 2012 core infrastructure services. Exam 70-410 is one of three required exams for the new MCSA: Windows Server 2008 certification from Microsoft. Organized by exam objectives, and featuring challenging, what-if scenarios, this Exam Ref focuses on the critical skills and knowledge needed to implement and configure Windows Server 2012 core services in an enterprise environment. Validate your expertise on these exam objectives: Install and Configure Servers Configure Server Roles and Features Configure Hyper-V Deploy and Configure Core Network Services Install and Administer Active Directory Create and Manage Group Policy

Exam 70-410 Installing and Configuring Windows Server 2012 - Microsoft Official Academic Course 2013-02-11

This text does not include not include a MOAC Labs Online access code. This 70-410 Installing and Configuring Windows Server 2012 textbook prepares certification students for the first of a series of three exams which validate the skills and knowledge necessary to implement a core Windows Server 2012 Infrastructure into an existing enterprise environment. This Microsoft Official Academic Course is mapped to the 70-410 Installing and Configuring Windows Server 2012 exam objectives. This textbook focuses on real skills for real jobs and prepares students to prove mastery of core services such as Active Directory and networking services. In addition, this book also covers such valuable skills as: • Managing Active Directory Domain Services Objects • Automating Active Directory Domain Services Administration • Implementing Local Storage • Implementing File and Print Services • Implementing Group Policy • Implementing Server Virtualization with Hyper-V

Microsoft SQL Server 2012 High-Performance T-SQL Using Window Functions - Itzik Ben-Gan 2012-04-15

Apply powerful window functions in T-SQL—and increase the performance and speed of your queries Optimize your queries—and obtain simple and elegant solutions to a variety of problems—using window functions in Transact-SQL. Led by T-SQL expert Itzik Ben-Gan, you'll learn how to apply calculations against sets of rows in a flexible, clear, and efficient manner. Ideal whether you're a database administrator or developer, this practical guide demonstrates ways to use more than a dozen T-SQL querying solutions to address common business tasks. Discover how to: Go beyond traditional query approaches to express set calculations more efficiently Delve into ordered set functions such as rank, distribution, and offset Implement hypothetical set and inverse distribution functions in standard SQL Use strategies for improving sequencing, paging, filtering, and pivoting Increase query speed using partitioning, ordering, and coverage indexing Apply new optimization iterators such as Window Spool Handle common issues such as running totals, intervals, medians, and gaps

**70-697 Configuring Windows Devices - Regan, Patrick 2016-08-08**

This is the Lab Manual to accompany 70-697: Configuring Windows Devices exam. This is a standalone product, access to 70-697: Configuring Windows Devices exam sold separately. Students pursuing a Microsoft Certified Solutions Associate (MCSA) for Windows 10 will need to complete the 70-697: Configuring Windows Devices exam, after finishing the 70-698. This exam provides key enterprise-level training for Windows Information Technology professionals. Exam 70-697 is the second exam required to earn the Windows 10 MCSA credential. Exam 70-697 is recommended as a follow-up to 70-698. This exam validates a candidate's fundamental knowledge and skills for building solid identities, protection of content (data loss protection), mobile device management policy, virtualization with Hyper-V, application management using the Company Portal and the Windows Store. Candidates will be evaluated on Windows 10 security and integrated Azure features. Microsoft Official Academic Course (MOAC) textbooks

are designed for instructor-led classroom courses.

**Exam Ref 70-339 Managing Microsoft SharePoint Server 2016 - Troy Lanphier 2016-10-10**

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 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

Introducing Microsoft SQL Server 2016 - Stacia Varga 2016-06-28

With Microsoft SQL Server 2016, a variety of new features and enhancements to the data platform deliver breakthrough performance, advanced security, and richer, integrated reporting and analytics capabilities. In this ebook, we introduce new security features: Always Encrypted, Row-Level Security, and dynamic data masking; discuss enhancements that enable you to better manage performance and storage: TemDB configuration, query store, and Stretch Database; review several improvements to Reporting Services; and also describe AlwaysOn Availability Groups, tabular enhancements, and R integration.

**Exam Ref 70-411 Administering Windows Server 2012 R2 (MCSA) - Charlie Russel 2014-06-18**

Prepare for Microsoft Exam 70-411 - and help demonstrate your real-world mastery of administering Windows Server 2012 R2. 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: Deploy, manage, and maintain servers Configure file and print services Configure network services and access Configure a Network Policy Server (NPS) infrastructure Configure Active Directory Configure and manage Group Policy This Microsoft Exam Ref: Organizes its coverage by objectives. Features strategic, what-if scenarios to challenge candidates. Assumes you have experience administering Windows Server 2012 R2 core infrastructure.

**Troubleshooting SQL Server - Jonathan Kehayias 2011**

This book describes, diagnoses, and solves the most common problems with SQL Server 2005, 2008, and 2008 R2. The authors explain a basic approach to troubleshooting and the essential tools. They explore areas in which problems arise with regularity: high disk I/O (RAID misconfiguration, inadequate I/O throughput, poor workload distribution, SAN issues, disk partition misalignment); high CPU usage (insufficient memory, poorly written queries, inadequate indexing, inappropriate configuration option settings); memory mismanagement; missing indexes; blocking (caused mainly by poorly designed databases that lack proper keys and indexing, and applications that apply needlessly restrictive transaction isolation levels); deadlocking (Bookmark Lookup, Serializable Range Scan, Cascading Constraint); full transaction logs (lack of log backups, hefty index maintenance operations, long running transaction, problems with replication and mirroring environments); and accidentally-lost data. Finally, the authors discuss diagnosing tools such as the Performance Monitor, Dynamic Management Views, and server-

side tracing. --

**Microsoft SQL Server 2012 Step by Step** - Patrick LeBlanc  
2013-02-15

Your hands-on, step-by-step guide to building applications with Microsoft SQL Server 2012 Teach yourself the programming fundamentals of SQL Server 2012—one step at a time. Ideal for beginning SQL Server database administrators and developers, this tutorial provides clear guidance and practical, learn-by-doing exercises for building database solutions that solve real-world business problems. Discover how to: Install and work with core components and tools Create tables and index structures Manipulate and retrieve data Secure, manage, back up, and recover databases Apply techniques for building high-performing applications Use clustering, database mirroring, and log shipping

**MCSA SQL 2016 Database Administration Exam Ref 2-Pack** - Victor Isakov 2017-12-08

Direct from Microsoft, these Exam Refs are the official study guides for the new Microsoft 70-764 Administering a SQL Database Infrastructure and Microsoft 70-765 Provisioning SQL Databases certification exams. Exam Ref 70-764 Administering a SQL Database Infrastructure and Exam Ref 70-765 Provisioning SQL Databases offer professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro's job role For more information on this certification, visit [microsoft.com/learning](http://microsoft.com/learning)  
**Exam Ref 70-762 Developing SQL Databases** - Louis Davidson  
2017-02-14

Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft 70-762 Developing SQL Databases certification exam, the second of two exams required for MCSA: SQL 2016 Database Development certification. Exam Ref 70-762 Developing SQL Databases offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern database professionals need to succeed with SQL database development. Coverage includes: Design and development of relational database schemas, indexes, and views Modern techniques for ensuring data integrity Creating stored procedures, triggers, and defined functions Managing database concurrency Optimizing objects and infrastructure Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro's job role For more information on Exam 70-762 and the MCSA: SQL Server 2016 certification, visit [microsoft.com/learning](http://microsoft.com/learning)  
**Exam Ref 70-764 Administering a SQL Database Infrastructure** - Victor Isakov 2017-09-26

Prepare for Microsoft Exam 70-764—and help demonstrate your real-world mastery of skills for database administration. This exam is intended for database administrators charged with installation, maintenance, and configuration tasks. Their responsibilities also include setting up database systems, making sure those systems operate efficiently, and regularly storing, backing up, and securing data from unauthorized access. Focus on the expertise measured by these objectives: • Configure data access and auditing • Manage backup and restore of databases • Manage and monitor SQL Server instances • Manage high availability and disaster recovery This Microsoft Exam Ref: • Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you have working knowledge of database installation, configuration, and maintenance tasks. You should also have experience with setting up database systems, ensuring those systems operate efficiently, regularly storing and backing up data, and securing data from unauthorized access. About the Exam Exam 70-764

focuses on skills and knowledge required for database administration. About Microsoft Certification Passing both Exam 70-764 and Exam 70-765 (Provisioning SQL Databases) earns you credit toward an MCSA: SQL 2016 Database Administration certification. See full details at: [microsoft.com/learning](http://microsoft.com/learning)

**Introducing Microsoft SQL Server 2012** - Ross Mistry 2014-09-10  
Introducing Microsoft(r) SQL Server(r) 2012 explores the exciting enhancements and new capabilities engineered into SQL Server, ranging from improvements in operation to those in reporting and management. This book is for anyone who has an interest in SQL Server 2012 and wants to understand its capabilities, including database administrators, application developers, and technical decision makers.

**Microsoft SQL Server 2012 Administration** - Tom Carpenter  
2013-06-03

Implement, maintain, and repair SQL Server 2012 databases As the most significant update since 2008, Microsoft SQL Server 2012 boasts updates and new features that are critical to understand. Whether you manage and administer SQL Server 2012 or are planning to get your MCSA: SQL Server 2012 certification, this book is the perfect supplement to your learning and preparation. From understanding SQL Server's roles to implementing business intelligence and reporting, this practical book explores tasks and scenarios that a working SQL Server DBA faces regularly and shows you step by step how to handle them. Includes practice exams and coverage of exam objectives for those seeking MCSA: SQL Server 2012 certification Explores the skills you'll need on the job as a SQL Server 2012 DBA Discusses designing and implementing database solutions Walks you through administering, maintaining, and securing SQL Server 2012 Addresses implementing high availability and data distribution Includes bonus videos where the author walks you through some of the more difficult tasks expected of a DBA Featuring hands-on exercises and real-world scenarios, this resource guides you through the essentials of implementing, maintaining, and repairing SQL Server 2012 databases.

**Exam Ref 70-743 Upgrading Your Skills to MCSA** - Charles Pluta  
2016-12-27

About the Book: Prepare for Microsoft Exam 70-743—and demonstrate that your skills are upgraded for Windows Server 2016. 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: • Install Windows servers in host and compute environments • Implement storage solutions • Implement Hyper-V • Implement Windows containers • Implement high availability • Implement Domain Name System (DNS) • Implement IP Address Management (IPAM) • Implement network connectivity and remote access solutions • Implement an advanced network infrastructure • Install and configure Active Directory Domain Services (AD DS) • Implement identity federation and access solutions This Microsoft Exam Ref: • Organizes its 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

**MCSA Windows Server 2016 Study Guide: Exam 70-740** - William Panek  
2017-05-19

The bestselling MCSA 70-470 study guide, updated for the latest exam MCSA Windows Server 2016 Study Guide is your ultimate resource for Exam 70-740. Covering 100% of all exam objectives, this study guide goes far beyond concept review with real-world scenarios containing expert insights, chapter review questions, hands-on practice exercises while the Sybex interactive learning environment provides additional last minute review through practice exams, electronic flashcards, and searchable glossary. This new edition has been fully updated to align with the Windows Server 2016 exam, featuring authoritative coverage of installation, configuration, server roles, Hyper-V, core network services, Active Directory, Group Policy, security, remote access, disaster recovery, and more. The vast majority of servers around the world use Windows Server, and the 2016 release includes a host of new features and updates. This study guide has been updated to prepare you for these changes so you can be confident on exam day and beyond. Study 100% of Exam 70-740 objectives Gain hands-on practice performing critical tasks Link concept to practice through real-world scenarios Access to the Sybex interactive learning environment Whether you want to sit for the exam, or simply improve your job performance, this Sybex study guide will give you the expert insight to learn the key concepts and latest

updates to Windows Server 2016.

### **Exam 70-413 Designing and Implementing a Server Infrastructure**

- Microsoft Official Academic Course 2014-10-27

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.

*Exam Ref MS-100 Microsoft 365 Identity and Services* - Orin Thomas 2019-07-02

Prepare for Microsoft Exam MS-100—and help demonstrate your real-world mastery of skills and knowledge needed to effectively design, deploy, manage, and secure Microsoft 365 services. Designed for experienced IT professionals, Exam Ref focuses on critical thinking and decision-making acumen needed for success at the Microsoft Certified Expert level. Focus on the expertise measured by these objectives: Design and implement Microsoft 365 services Manage user identity and roles Manage access and authentication Plan Office 365 workloads and applications 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 365 workloads, networking, server administration, and IT fundamentals; and have administered at least one Microsoft 365 workload About the Exam Exam MS-100 focuses on knowledge needed to manage domains; plan a Microsoft 365 implementation; set up and manage Microsoft 365 tenancy and subscriptions; plan user and data migration; design identity strategy; plan and manage identity synchronization with Azure AD Connect; manage Azure AD identities and user roles; manage authentication; implement MFA; configure application access; implement access for external users of Microsoft 365 workloads; and plan Office 365 workload and applications deployment. About Microsoft Certification Passing this exam and Exam MS-101 Microsoft 365 Mobility and Security (and earning one Microsoft 365 workload administrator certification or the MCSE Productivity certification) fulfills your requirements for the Microsoft 365 Certified Enterprise Administrator Expert certification credential. This demonstrates your ability to evaluate, plan, migrate, deploy, and manage Microsoft 365 services.

**MCSA Windows Server 2016 Practice Tests** - Crystal Panek 2019-01-07

Get prepared for the high-stakes MCSA Windows Server 2016 certification exam Windows Server 2016 is the latest version of Microsoft's Windows server operating system, and the ideal server for Windows 8/8.1 and Windows 10 desktop clients. Windows Server 2016 will include many new and updated features, including enhancements to Hyper-V, Storage Spaces, and Active Directory. MCSA Windows Server 2016 Practice Tests provides 10 unique 85-question chapter tests, covering the ten MCSA Windows Server 2016 objective domains, PLUS three additional 50-question practice exams, for a total of 1000 practice test questions. • Practice tests are a popular way for certification candidates to prepare for taking exams • The practice test questions provide comprehensive coverage of the exam objectives • Covers all three exams: 70-740, 70-741, 70-742 • Written by a five-time Microsoft MVP Winner This book helps you gain the confidence you need and prepares you for taking the three required Exams 70-740, 70-741, and 70-742, or upgrade Exam 70-743. The practice test questions prepare you for test success.

**SQL Server 2017 Administration Inside Out** - William Assaf 2018-02-26

Conquer SQL Server 2017 administration—from the inside out Dive into SQL Server 2017 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2017 in any production environment: on-premises, cloud, or hybrid. Four SQL Server experts offer a complete tour of DBA capabilities available in SQL Server 2017 Database Engine, SQL Server Data Tools, SQL Server Management Studio, and via PowerShell. Discover how experts tackle today's essential

tasks—and challenge yourself to new levels of mastery. • Install, customize, and use SQL Server 2017's key administration and development tools • Manage memory, storage, clustering, virtualization, and other components • Architect and implement database infrastructure, including IaaS, Azure SQL, and hybrid cloud configurations • Provision SQL Server and Azure SQL databases • Secure SQL Server via encryption, row-level security, and data masking • Safeguard Azure SQL databases using platform threat protection, firewalling, and auditing • Establish SQL Server IaaS network security groups and user-defined routes • Administer SQL Server user security and permissions • Efficiently design tables using keys, data types, columns, partitioning, and views • Utilize BLOBs and external, temporal, and memory-optimized tables • Master powerful optimization techniques involving concurrency, indexing, parallelism, and execution plans • Plan, deploy, and perform disaster recovery in traditional, cloud, and hybrid environments For Experienced SQL Server Administrators and Other Database Professionals • Your role: Intermediate-to-advanced level SQL Server database administrator, architect, developer, or performance tuning expert • Prerequisites: Basic understanding of database administration procedures

*T-SQL Querying* - Itzik Ben-Gan 2015-02-17

T-SQL insiders help you tackle your toughest queries and query-tuning problems Squeeze maximum performance and efficiency from every T-SQL query you write or tune. Four leading experts take an in-depth look at T-SQL's internal architecture and offer advanced practical techniques for optimizing response time and resource usage. Emphasizing a correct understanding of the language and its foundations, the authors present unique solutions they have spent years developing and refining. All code and techniques are fully updated to reflect new T-SQL enhancements in Microsoft SQL Server 2014 and SQL Server 2012. Write faster, more efficient T-SQL code: Move from procedural programming to the language of sets and logic Master an efficient top-down tuning methodology Assess algorithmic complexity to predict performance Compare data aggregation techniques, including new grouping sets Efficiently perform data-analysis calculations Make the most of T-SQL's optimized bulk import tools Avoid date/time pitfalls that lead to buggy, poorly performing code Create optimized BI statistical queries without additional software Use programmable objects to accelerate queries Unlock major performance improvements with In-Memory OLTP Master useful and elegant approaches to manipulating graphs About This Book For experienced T-SQL practitioners Includes coverage updated from Inside Microsoft SQL Server 2008 T-SQL Querying and Inside Microsoft SQL Server 2008 T-SQL Programming Valuable to developers, DBAs, BI professionals, and data scientists Covers many MCSE 70-464 and MCSA/MCSE 70-461 exam topics

**Exam Ref 70-778 Analyzing and Visualizing Data by Using Microsoft Power BI** - Daniil Maslyuk 2018-06-07

Prepare for Microsoft Exam 70-778—and help demonstrate your real-world mastery of Power BI data analysis and visualization. Designed for experienced BI professionals and data analysts 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: Consume and transform data by using Power BI Desktop Model and visualize data Configure dashboards, reports, and apps in the Power BI Service This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you have experience consuming and transforming data, modeling and visualizing data, and configuring dashboards using Excel and Power BI

**Exam Ref 70-412 Configuring Advanced Windows Server 2012 R2 Services (MCSA)** - J.C. Mackin 2014-03-15

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 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

**Exam 70-432** - Microsoft Official Academic Course 2011-02-15

This book follows the newest iterations of the Microsoft Official Academic Course (MOAC) program for database administration courses using SQL Server 2005 and SQL Server 2008. It provides the information and resources needed to prepare students for the Microsoft Certified Information Technology Professional (MCITP) 70-444 exam for SQL Server 2005, and the 70-432 Microsoft Certified Technology Specialist (MCTS) exam for SQL Server 2008. Hands On Exercises and Certification Ready features are integrated with the accompanying Lab Manual throughout the chapters that enable them to reinforce what they've learned by completing various exercises. Business cases are presented to provide a real world perspective on how the information is used in the field. The book also includes a CD that enables students with exam practice and instant feedback. By following the exercises in this book, students will learn how to install and configure SQL Server, manage databases, implement security, troubleshoot SQL activity, and more.

**Exam Ref 70-410 Installing and Configuring Windows Server 2012 R2 (MCSA)** - Craig Zacker 2014-02-15

Fully updated for Windows Server 2012 R2! Prepare for Microsoft Exam 70-410 - and help demonstrate your real-world mastery of implementing and configuring core services in Windows Server 2012 R2. 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 and configure servers Configure server roles and features Configure Hyper-V Deploy and configure core network services Install and administer Active Directory Create and manage Group Policy This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

**Exam 98-364 MTA Database Administration Fundamentals** - Microsoft Official Academic Course 2011-07-12

Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology knowledge and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. Database Administration Fundamentals covers introductory knowledge and skills including: relational databases; core database concepts; relational database concepts; security requirements for databases and the data stored in them; database objects -- such as tables and views; graphical tools and T-SQL scripts; database queries; and stored procedures.

**Training Kit (Exam 70-462)** - Orin Thomas 2012

Presents lessons covering exam objectives, practice exercises, real-world scenarios, and practice exams on the accompanying CD-ROM.

**MCSA Guide to Microsoft SQL Server 2012 (Exam 70-462)** - Faisal Akkawi 2013-05-30

MCSA GUIDE TO MICROSOFT SQL SERVER 2012 (Exam #70-462) provides a thorough introduction to essential database administration principles and practices to prepare readers for certification and career success. Ideal for formal courses, self-study, or professional reference, this detailed text employs a lab-based approach to help users develop the core knowledge and practical skills they need to master Microsoft SQL Server administration in an enterprise environment and pass Microsoft Certified Solutions Associate Exam 70-462. The text opens with information on the latest version of Microsoft SQL Server, offering step-by-step guidance on selecting an edition and completing initial installation and configuration. Several chapters then explore key topics such as database programming, security, performance tuning, backup and recovery, data integration, and system monitoring. Within each chapter, numerous resources and features reinforce teaching and learning, including learning objectives, summaries of key ideas, hands-on activities, discussion questions, definitions of important terms, and case studies to provide real-world context. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Training Kit (Exam 70-461): Querying Microsoft SQL Server 2012** - Itzik Ben-Gan 2012-11

Ace your preparation for Microsoft® Certification Exam 70-461 with this

2-in-1 Training Kit from Microsoft Press®. Work at your own pace through a series of lessons and practical exercises, and then assess your skills with practice tests on CD—featuring multiple, customizable testing options. Maximize your performance on the exam by learning how to: Create database objects Work with data Modify data Troubleshoot and optimize queries You also get an exam discount voucher—making this book an exceptional value and a great career investment.

**MCSA Windows Server 2012 Complete Study Guide** - William Panek 2013-06-10

Prepare for the MCSA Windows Server 2012 exams with this Sybex study guide Microsoft's new version of the MCSA certification for Windows Server 2012 requires passing three exams. This value-priced study guide includes more than 1,000 pages of quality exam-prep content, covering 100 percent of the objective domains of all three exams (as well as the Upgrade exam, 70-417). Also includes more than 500 practice questions. You also have access to three bonus exams, 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. Provides a comprehensive study guide for all three MCSA Windows Server 2012 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 exams, electronic flashcards, and over an hour of video demonstrations Covers all exam objectives MCSA Windows Server 2012 Complete Study Guide arms you with all the information you must master to achieve MCSA certification on Windows Server 2012.

**Exam 70-463 Implementing a Data Warehouse with Microsoft SQL Server 2012** - Microsoft Official Academic Course 2014-04-21

**Exam 70-411 Administering Windows Server 2012** - Microsoft Official Academic Course 2013-03-25

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.

**Exam Ref 70-740 Installation, Storage and Compute with Windows Server 2016** - Craig Zacker 2017-01-17

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)

*Exam Ref 70-414 Implementing an Advanced Server Infrastructure (MCSE)* - Steve Suehring 2014-07-22

Prepare for Exam 70-414—and help demonstrate your real-world mastery of advanced server design, planning, and implementation. Designed for experienced, MCSA-certified professionals ready to advance their status—Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSE level. Optimize your exam-prep by focusing on the expertise needed to: Manage and Maintain a Server Infrastructure Plan and Implement a Highly Available Enterprise Infrastructure Plan and Implement a Server Virtualization Infrastructure Design and Implement Identity and Access Solutions

*Querying Microsoft SQL Server 2012* - Itzik Ben-Gan 2012

Designed to prepare students for the certification exam by using practical exercises to teach them to create database objects, work with data, and modify data.

**Exam Ref 70-761 Querying Data with Transact-SQL** - Itzik Ben-Gan 2017-04-04

Prepare for Microsoft Exam 70-761—and help demonstrate your real-world mastery of SQL Server 2016 Transact-SQL data management, queries, and database programming. 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:

- Filter, sort, join, aggregate, and modify data
- Use subqueries, table expressions, grouping sets, and pivoting
- Query temporal and non-relational data, and output XML or JSON
- Create views, user-defined functions, and stored procedures
- Implement error handling, transactions, data types, and nulls

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have experience working with SQL Server as a database administrator, system engineer, or developer
- Includes downloadable sample database and code for SQL Server 2016 SP1 (or later) and Azure SQL Database

Querying Data with Transact-SQL About the Exam Exam 70-761 focuses on the skills and knowledge necessary to manage and query data and to program databases with Transact-SQL in SQL Server 2016. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of essential skills for building and implementing on-premises and cloud-based databases across organizations. Exam 70-762 (Developing SQL Databases) is also required for MCSA: SQL 2016 Database Development certification. See full details at: [microsoft.com/learning](http://microsoft.com/learning)

**T-SQL Fundamentals** - Itzik Ben-Gan 2016-07-29

Effectively query and modify data using Transact-SQL Master T-SQL fundamentals and write robust code for Microsoft SQL Server and Azure SQL Database. Itzik Ben-Gan explains key T-SQL concepts and helps you apply your knowledge with hands-on exercises. The book first introduces T-SQL's roots and underlying logic. Next, it walks you through core topics such as single-table queries, joins, subqueries, table expressions, and set operators. Then the book covers more-advanced data-query topics such as window functions, pivoting, and grouping sets. The book also explains how to modify data, work with temporal tables, and handle transactions, and provides an overview of programmable objects.

Microsoft Data Platform MVP Itzik Ben-Gan shows you how to: Review core SQL concepts and its mathematical roots Create tables and enforce data integrity Perform effective single-table queries by using the SELECT statement Query multiple tables by using joins, subqueries, table expressions, and set operators Use advanced query techniques such as window functions, pivoting, and grouping sets Insert, update, delete, and merge data Use transactions in a concurrent environment Get started with programmable objects—from variables and batches to user-defined functions, stored procedures, triggers, and dynamic SQL

**Microsoft SQL Server 2014 Query Tuning & Optimization** - Benjamin Nevarez 2014-10-10

Optimize Microsoft SQL Server 2014 queries and applications Microsoft SQL Server 2014 Query Tuning & Optimization is filled with ready-to-use techniques for creating high-performance queries and applications. The book describes the inner workings of the query processor so you can write better queries and provide the query processor with the quality information it needs to produce efficient execution plans. You'll also get tips for troubleshooting underperforming queries. In-Memory OLTP (Hekaton), a key new feature of SQL Server 2014, is fully covered in this practical guide. Understand how the query optimizer works Troubleshoot queries using extended events, SQL trace, dynamic management views (DMVs), the data collector, and other tools Work with query operators for data access, joins, aggregations, parallelism, and updates Speed up queries and dramatically improve application performance by creating the right indexes Understand statistics and how to detect and fix cardinality estimation errors Maximize OLTP query performance using In-Memory OLTP (Hekaton) features, including memory-optimized tables and natively compiled stored procedures Monitor and promote plan caching and reuse to improve application performance Improve the performance of data warehouse queries using columnstore indexes Handle query processor limitations with hints and other methods

[MCSA Guide to Microsoft SQL Server 2012 \(Exam 70-462\)](#) - Faisal Akkawi 2013-05-30

MCSA GUIDE TO MICROSOFT SQL SERVER 2012 (Exam #70-462) provides a thorough introduction to essential database administration principles and practices to prepare readers for certification and career success. Ideal for formal courses, self-study, or professional reference, this detailed text employs a lab-based approach to help users develop the core knowledge and practical skills they need to master Microsoft SQL Server administration in an enterprise environment and pass Microsoft Certified Solutions Associate Exam 70-462. The text opens with information on the latest version of Microsoft SQL Server, offering step-by-step guidance on selecting an edition and completing initial installation and configuration. Several chapters then explore key topics such as database programming, security, performance tuning, backup and recovery, data integration, and system monitoring. Within each chapter, numerous resources and features reinforce teaching and learning, including learning objectives, summaries of key ideas, hands-on activities, discussion questions, definitions of important terms, and case studies to provide real-world context. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

[Exam Prep for MCSA Guide to Microsoft SQL Server 2012 Exam 70-462 Networking Course Technology](#) - Just the Facts101 2019-08-18

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