Technical

Installing and Configuring Windows Server 2012

Audience profile This course is intended for information technology (IT) professionals who have some knowledge and experience working with Windows operating systems and who want to acquire the skills and knowledge necessary to install and perform the initial configuration of a Windows Server 2012 or Windows Server 2012 R2 server in an existing Windows server environment. Typically, candidates who are interested in attending this course include: - Windows Server administrators who are relatively new to Windows Server administration and related technologies who are looking to learn more about Windows Server 2012 and Windows Server 2012 R2. - IT professionals who are experienced in other non-Microsoft technologies, who meet the course prerequisites and are looking to cross-train on Windows Server 2012 and Windows Server 2012 R2. - IT professionals who are looking to take the Microsoft Certified Solutions Associate (MCSA) 410: Installing and Configuring Windows Server 2012 - IT professionals who want to take the Microsoft Certified Solutions Expert (MCSE) exams in DataCenter, Desktop Infrastructure, Messaging, Collaboration and Communications will also be interested in taking this course as they prepare for the Microsoft Certified Solutions Associate (MCSA) exams. These are a prerequisite for their individual specialties.

Series

Technical

Course Content

Module 1: Deploying and Managing Windows Server 2012 Module 2: Introduction to Active Directory Domain Services Module 3: Managing Active Directory Domain Services Objects Module 4: Automating Active Directory Domain Services Administration Module 5: Implementing IPv4 Module 6: Implementing Dynamic Host Configuration Protocol Module 7: Implementing DNS Module 8: Implementing IPv6 Module 9: Implementing Local Storage Module 10: Implementing File and Print Services Module 11: Implementing Group Policy Module 12: Securing Windows Servers Using Group Policy Objects Module 13: Implementing Server Virtualization with Hyper-V

Study Outcome

After completing this course, students will be able to: - Install and configure Windows Server 2012. - Describe AD DS. - Manage Active Directory objects. - Automate Active Directory administration. - Implement IPv4. - Implement Dynamic Host Configuration Protocol (DHCP). - Implement Domain Name System (DNS). - Implement IPv6. - Implement local storage. - Implement file and print services. - Implement Group Policy. - Secure Windows servers by using Group Policy Objects (GPOs). - Implement server virtualization by using Hyper-V.

Study Requirement:

Programming in C#

The course introduces many of the techniques and technologies employed by modern desktop and enterprise applications, including:

- -Building new data types.
- -Handling events.
- -Programming the user interface.
- -Accessing a database.
- -Using remote data.
- -Performing operations asynchronously.
- -Integrating with unmanaged code.
- -Creating custom attributes.
- -Encrypting and decrypting data.

At the end of the course, students should leave the class with a solid knowledge of C# and how to use it to develop .NET Framework 4.5 applications. This course uses Visual Studio 2012, running on Windows 8. Audience Profile This course is intended for experienced developers who already have programming experience in C, C++, JavaScript, Objective-C, Microsoft Visual Basic, or Java and understand the concepts of object-oriented programming. This course is not designed for students who are new to programming; it is targeted at professional developers with at least one month of experience programming in an object-oriented environment.

Series

Technical

Course Content

Module 1: Review of C# Syntax **Module 2:** Creating Methods, Handling Exceptions, and Monitoring Applications **Module 3:** Developing the Code for a Graphical Application **Module 4:** Creating Classes and Implementing Type-safe Collections **Module 5:** Creating a Class Hierarchy by Using Inheritance **Module 6:** Reading and Writing Local Data **Module 7:** Accessing a Database **Module 8:** Accessing Remote Data **Module 9:** Designing the User Interface for a Graphical Application **Module 10:** Improving Application Performance and Responsiveness **Module 11:** Integrating with Unmanaged Code **Module 12:** Creating Reusable Types and Assemblies **Module 13:** Encrypting and Decrypting Data

Study Outcome

After completing this course, students will be able to:

- Describe the core syntax and features of C#

Implementing a Data Warehouse with Microsoft SQL Server

This course describes how to implement a data warehouse platform to support a BI solution. Students will learn how to create a data warehouse with Microsoft SQL Server 2014, implement ETL with SQL Server Integration Services, and validate and cleanse data with SQL Server Data Quality Services and SQL Server Master Data Services.

Series

Technical

Course Content

Module 1: Introduction to Data Warehousing **Module 2:** Planning Data Warehouse Infrastructure **Module 3:** Designing and Implementing a Data Warehouse **Module 4:** Creating an ETL Solution with SSIS **Module 5:** Implementing Control Flow in an SSIS Package **Module 6:** Debugging and Troubleshooting SSIS Packages **Module 7:** Implementing a Data Extraction Solution **Module 8:** Loading Data into a Data Warehouse **Module 9:** Enforcing Data Quality **Module 10:** Master Data Services **Module 11:** Extending SQL Server Integration Services **Module 12:** Deploying and Configuring SSIS Packages **Module 13:** Consuming Data in a Data Warehouse

Study Outcome

After completing this course, students will be able to:

- -Describe data warehouse concepts and architecture considerations.
- -Select an appropriate hardware platform for a data warehouse.
- -Design and implement a data warehouse.
- -Implement Data Flow in an SSIS Package.
- -Implement Control Flow in an SSIS Package.
- -Debug and Troubleshoot SSIS packages.
- -Implement an ETL solution that supports incremental data extraction.
- -Implement an ETL solution that supports incremental data loading.
- -Implement data cleansing by using Microsoft Data Quality Services.
- -Implement Master Data Services to enforce data integrity.
- -Extend SSIS with custom scripts and components.
- -Deploy and Configure SSIS packages.

Installing and Deploying Microsoft Dynamics CRM 2015

Audience profile This course provides students with the skills to install and deploy both Microsoft Dynamics CRM 2015 Server and Microsoft Dynamics CRM 2015 Client for Microsoft Outlook. The training also covers installing and configuring Email components including the Email Router and Server Side Synchronisation. The training focuses on the components used to deploy a Microsoft Dynamics CRM 2015 solution, including hardware and software requirements. The course will also cover upgrading from previous versions and configuring an Internet-Facing Deployment.

Series

Technical

Course Content

Module 1: System and Software requirements for Installation of Microsoft Dynamics CRM 2015 **Module 2:** Installing Microsoft Dynamics CRM 2015 Server **Module 3:** Microsoft Dynamics CRM 2015 Reporting Extensions **Module 4:** Microsoft Dynamics CRM 2015 Deployment Manager **Module 5:** Upgrading CRM 2011/13 to Dynamics CRM 2015 **Module 6:** Email Management **Module 7** : Installing and Managing Microsoft CRM Client for Office Outlook **Module 8:** Configuring Internet Facing Deployment **Module 9** : Maintaining a Dynamics CRM 2015 Deployment

Study Outcome

At Course Completion delegates with the skills to install and deploy both Microsoft Dynamics CRM 2015 Server and Microsoft Dynamics CRM 2015 Client for Microsoft Outlook.

Study Requirement:

Before attending this course, students must have: a working knowledge of:

- Microsoft Windows Server
- Active Directory
- Microsoft SQL Server
- Microsoft Outlook.

some knowledge of the following is an advantage:

- Internet Information Services (IIS)
- Microsoft Exchange

$2,610.00

Customization And Configuration In Microsoft Dynamics CRM 2015

Audience profile This course is designed for people who have a working knowledge of how to use Microsoft Dynamics CRM 2015, a basic understanding of Microsoft SQL Server and relational database functionality and understand Microsoft Dynamics CRM 2015 applications. The course is intended for those people who need to customize and configure Microsoft Dynamics CRM 2015 Applications.

Series

Technical

Course Content

Module 1: Introduction. **Module 2:** Security Issues **Module 3:** Customising System and Custom Entities **Module 4:** Customising Attributes **Module 5:** Establishing Relationships **Module 6:** Form Customisation **Module 7:** Business Rules **Module 8:** View Customization **Module 9:** Chart and Dashboard Customisation **Module 10:** Further Security Features of Crm 2015 **Module 11:** Business Process Flows

Study Outcome

At course Completion delegates will learn how to:

- Design and implement strategies for the creation of Business Units and Security Roles
- Configure Microsoft Dynamics CRM Users and Teams
- Describe the principles of customizing the system
- Create and configure fields for both custom and system entities
- Create and configure custom entities, including standard and activity entities
- Design, create and configure relationships between entities
- Create and configure Views, Charts and Forms for both system and custom entities
- Implement Field Security and Access Team Templates in Microsoft Dynamics CRM
- Design, create and configure Solutions in Microsoft Dynamics CRM
- Design, create and configure Business Rules and Business Process Flows to guide users through their work

Study Requirement:

Before attending this course, students must have:

- A working knowledge of how to use Microsoft Dynamics CRM 2015.
- A basic understanding of Microsoft SQL Server and relational database functionality.
- Completed Microsoft Dynamics CRM 2015 applications

Administering Microsoft SQL Server Databases

Audience Profile The primary audience for this course is individuals who administer and maintain SQL Server databases. These individuals perform database administration and maintenance as their primary area of responsibility, or work in environments where databases play a key role in their primary job. The secondary audience for this course is individuals who develop applications that deliver content from SQL Server databases.

Series

Technical

Course Content

Module 1: Introduction to SQL Server 2014 Database Administration **Module 2:** Installing and Configuring SQL Server 2014 **Module 3:** Working with Databases and Storage **Module 4:** Planning and Implementing a Backup Strategy **Module 5:** Restoring SQL Server 2014 Databases **Module 6:** Importing and Exporting Data **Module 7:** Monitoring SQL Server 2014 **Module 8:** Tracing SQL Server Activity **Module 9:** Managing SQL Server Security **Module 10:** Auditing Data Access and Encrypting Data **Module 11:** Performing Ongoing Database Maintenance **Module 12:** Automating SQL Server 2014 Management **Module 13:** Monitoring SQL Server 2014 by Using Alerts and Notifications

Study Outcome

After completing this course, students will be able to:

- -Describe core database administration tasks and tools.
- -Install and configure SQL Server 2014.
- -Configure SQL Server databases and storage.
- -Plan and implement a backup strategy.
- -Restore databases from backups.
- -Import and export data.
- -Monitor SQL Server.
- -Trace SQL Server activity.
- -Manage SQL Server security.
- -Audit data access and encrypt data.
- -Perform ongoing database maintenance.
- -Automate SQL Server maintenance with SQL Server Agent Jobs.
- -Configure Database Mail, alerts and notifications.

Installing and Configuring Windows 10

Audience profile This course is intended for IT professionals who administer and support Windows 10 desktops, devices, users, and associated network and security resources. Students who seek certification in the 70-697 Windows 10 Configuring exam will also benefit from this course. This course is also intended to provide skills for Enterprise Desktop/Device Support Technicians (EDSTs) who provide Tier 2 support to users who run Windows 10 desktops and devices within a Windows domain environment in medium to large enterprise organizations.

Series

Technical

Course Content

Module 1: Overview of Windows 10 Module 2: Installing Windows 10 Module 3: Configuring Your Device Module 4: Configuring Network Connectivity Module 5: Managing Storage Module 6: Managing Files and Printers Module 7: Managing Apps in Windows 10 Module 8: Managing Data Security Module 9: Managing Device Security Module 10: Managing Network Security Module 11: Maintaining Windows 10 Module 12: Troubleshooting and Recovery

Study Outcome

After completing this course, students will be able to:

- Describe the important new features of Windows 10.
- Install Windows 10.
- Configure a device running Windows 10.
- Configure network connectivity for a Windows 10 device.
- Manage storage in Windows 10.
- Manage folders and printers.
- Manage apps.
- Manage data security.
- Manage device security.
- Implement Windows 10 features to improve network security.
- Monitor and update Windows 10 devices.
- Restore files, roll back drivers, and recover Windows 10 devices.

Study Requirement:

Before attending this course, students must have:

- At least two years of experience in the IT field.
- Knowledge of networking fundamentals, including Transmission Control Protocol /Internet Protocol (TCP/IP), User Datagram Protocol (UDP), and Domain Name System (DNS).
- Knowledge of Microsoft Active Directory Domain Services (AD DS) principles and fundamentals of AD DS

Enabling and Managing Office 365

Audience profile This course will provide experienced IT professionals with the training that they need to plan, configure, and manage an Office 365 environment. Students who attend this course are expected to have a fairly broad understanding of several on-premises technologies such as Domain Name System (DNS) and AD DS, and a general understanding of Exchange Server, Microsoft Lync Server or Skype for Business Server, and Microsoft SharePoint Server. This course also is intended as preparation material for IT professionals who are looking to take the exams 70-346: Managing Office 365 Identities and Requirements and 70-347: Enabling Office 365 Services to obtain the MCSA: Office 365 certification.

Series

Technical

Course Content

Module 1: Planning and provisioning Office 365 Module 2: Managing Office 365 users and groups Module 3: Configuring client connectivity to Microsoft Office 365 Module 4: Planning and configuring directory synchronization Module 5: Planning and deploying Office 365 ProPlus Module 6: Planning and managing Exchange Online recipients and permissions Module 7: Planning and configuring Exchange Online services Module 8: Planning and deploying Skype for Business Online Module 9: Planning and configuring SharePoint Online. Module 10: Planning and configuring a Office 365 collaboration solution. Module 11: Planning and configuring rights management and compliance Module 12: Monitoring and troubleshooting Microsoft Office 365 Module 13: Planning and configuring identity federation

Study Outcome

After completing this course, students will be able to: - Plan an Office 365 deployment, configure the Office 365 tenant, and plan a pilot deployment. - Manage Office 365 users, groups, and licenses, and configure delegated administration. - Plan and configure client connectivity to Office 365. - Plan and configure directory synchronization between Azure AD and on-premises AD DS. - Plan and implement the deployment of Office 365 ProPlus. - Plan and manage Exchange Online recipients and permissions. - Plan and configure Exchange Online services. - Plan and implement the Skype for Business Online deployment. - Plan and configure SharePoint Online. - Plan and configure an Office 365 collaboration solution that includes Yammer Enterprise, OneDrive for Business, and Office 365 groups. - Plan and configure the integration between Office 365 and Azure RMS, and configure compliance features in Office 365. - Monitor and review Office 365 services, and troubleshoot Office 365 issues. - Plan and implement identity federation between on-premises AD DS and Azure AD.

Querying Microsoft SQL Server

Audience profile This course is intended for Database Administrators, Database Developers, and Business Intelligence professionals. The course will very likely be well attended by SQL power users who aren't necessarily database-focused.

Series

Technical

Course Content

Module 1: Introduction to Microsoft SQL Server 2014 **Module 2:** Introduction to T-SQL Querying **Module 3:** Writing SELECT Queries **Module 4:** Querying Multiple Tables **Module 5:** Sorting and Filtering Data **Module 6:** Working with SQL Server 2014 Data Types **Module 7:** Using DML to Modify Data **Module 8:** Using Built-In Functions **Module 9:** Grouping and Aggregating Data **Module 10:** Using Subqueries **Module 11:** Using Table Expressions **Module 12:** Using Set Operators **Module 13:** Using Window Ranking, Offset, and Aggregate Functions **Module 14:** Pivoting and Grouping Sets **Module 15:** Executing Stored Procedures **Module 16:** Programming with T-SQL **Module 17:** Implementing Transactions **Module 18:** Improving Query Performance **Module 19:** Querying SQL Server Metadata

Study Outcome

After completing this course, students will be able to: Describe the basic architecture and concepts of Microsoft SQL Server 2014.

- -Understand the similarities and differences between Transact-SQL and other computer languages.
- -Write SELECT queries
- -Query multiple tables
- -Sort and filter data
- -Describe the use of data types in SQL Server
- -Modify data using Transact-SQL
- -Use built-in functions
- -Group and aggregate data
- -Use subqueries
- -Use table expressions
- -Use set operators
- -Use window ranking, offset and aggregate functions
- -Implement pivoting and grouping sets

Introduction to Web Development with Microsoft® Visual Studio® 2010

Audience profile This course is intended for Web developers who are beginners and have knowledge of Hypertext Markup Language (HTML) or Dynamic HTML (DHTML), along with some knowledge of a scripting language such as Visual Basic Scripting Edition or Microsoft Jscript. Students are required to have the following skills: - Ability to construct a simple Web page using a Microsoft or 3rd Party tool. For example, create or customize a Web Page on a SharePoint site.

Series

Technical

Course Content

Module 1: Exploring Microsoft ASP.NET Web Applications in Microsoft Visual Studio 2010. This module explains the key features of Microsoft .NET Framework and Microsoft ASP.NET. **Module 2:** Creating Web Applications by Using Microsoft Visual Studio 2010 and Microsoft .NET–Based Languages **Module 3:** Creating a Microsoft ASP.NET Web Form **Module 4:** Adding Functionality to a Microsoft ASP.NET Web Form **Module 5:** Implementing Master Pages and User Controls. This module explains how to create and implement master pages and how to implement user controls in a Web application. **Module 6:** Validating User Input **Module 7:** Troubleshooting Microsoft ASP.NET Web Applications **Module 8:** Managing Data in an Microsoft ASP.NET 4.0 Web Application **Module 9:** Managing Data Access Tasks by Using LINQ **Module 10:** Managing Data by Using Microsoft ASP.NET Dynamic Data. **Module 11:** Creating a Microsoft ASP.NET Ajax-enabled Web Forms Application **Module 12:** Consuming Microsoft Windows Communication Foundation Services **Module 13:** Managing State in Web Applications **Module 14:** Configuring and Deploying a Microsoft ASP.NET Web Application **Module 15:** Securing a Microsoft ASP.NET Web Application. **Module 16:** Implementing Advanced Technologies Supported by Microsoft Visual Studio 2010 for Web Development.

Study Outcome

After completing this course, students will be able to: - Explore ASP.NET Web applications in Microsoft Visual Studio 2010. - Create Web applications by using Microsoft Visual Studio 2010 and Microsoft .NET–based languages. - Create a Microsoft ASP.NET Web Form. - Add functionality to a Microsoft ASP.NET Web Form. - Implement master pages and user controls. - Validate user input. - Debug Microsoft ASP.NET Web applications. - Manage data in an ASP.NET 3.5 Web application. - Manage data access tasks by using LINQ. - Manage data by using ASP.NET Dynamic Data. - Create a Microsoft ASP.NET AJAX application. - Consume and Windows Communication Foundation (WCF) services. - Manage state in Web applications. - Configure and deploy a Microsoft ASP.NET Web application. - Secure a Microsoft ASP.NET Web application. - Implement new technologies supported by Visual Studio 2010 for Web