

Oracle DBA, Oracle Developer, Java, Android, SQL Server, Linux, C, C++, MySQL PHP, HTML, CSS, Java Script, MySql DBA, Postgresql DBA, ASP.Net

70-462: Administering Microsoft SQL Server 2012 Databases

Part-1 – 40 Hours

Planning and Installing SQL Server 2012

- Designing the Storage for New Databases
- Identifying Windows-level Security and Service-Level Security
- Installing SQL Server and Related Services
- Testing Connectivity

Configuring and Managing SQL Server Instances

- Instance-Level Settings
- Database Configuration and Standardization
- Installing Additional Instances
- Deploying Software Updates and Patch Management

Configuring SQL Server 2012 Components

- Deploying and Configuring SSAS, SSRS, SSIS
- Setting up, Managing and Configuring Databases
- Designing and Managing Filegroups
- Configuring and Standardizing Databases
- Understanding Contained Databases
- Using Data Compression
- Managing Log Files
- Designing and Creating Database Objects (Tables, View, and SP etc.)

Migrating, Importing, and Exporting

- Upgrading an Instance to SQL Server 2012
- Migrating a Database to a SQL Server 2012 Instance
- Copying Databases to Other Servers
- Exporting and Importing Data
- Using the SQL Server Import and Export Wizard
- Using BCP, Bulk Insert, SELECT INTO Utilities Import and Export

Oracle DBA, Oracle Developer, Java, Android, SQL Server, Linux, C, C++, MySQL PHP, HTML, CSS, Java Script, MySql DBA, Postgresql DBA, ASP.Net

SQL Server Logins, Roles and Users

- SQL Logins, Server Roles
- User-Defined Server Roles
- Credentials
- Managing Users and Database Roles
- Contained Users
- Application Roles

Securing SQL Server 2012

- Managing Databases Permissions
- Understanding Securables
- Assigning Permissions on Objects

Managing Permissions by using Database Roles

- Using Schemas
- Troubleshooting SQL Server Security
- Authentication, Certificates and Keys, Endpoints
- Using Security Catalog Views
- Using SQL Server Audit
- Using C2 and Common Criteria Compliance
- Policy-Based Management

SQL Server Backup and Restore

- Understanding Backup Types
- Backing up System, Replicated, Mirrored and Always On Databases.
- Using Database Checkpoints
- Using Backup Devices and Media Sets
- Performing Backups and Viewing Backup History
- Restoring Databases
- Performing File and Page Restores
- Restoring a Database Protected with TDE
- Restoring System, Replicated databases
- Checking Database Status

Oracle DBA, Oracle Developer, Java, Android, SQL Server, Linux, C, C++, MySQL PHP, HTML,CSS, Java Script, MySql DBA, Postgresql DBA, ASP.Net

Managing SQL Server Agent

- Configuring Database Mail
- Working with Scheduled, Operators and Proxies
- Executing Jobs by Using SQL Server Agent
- Managing Alerts
- Managing Jobs
- Monitoring Multi-Server Environments
- Creating and Managing Maintenance Plan

Implementing and Maintaining Indexes

- Understanding the Anatomy of a Balanced Tree (B-Tree)
- Understanding Index types and Structures
- Designing Indexes for Efficient Retrieval
- Understanding Statistics
- Creating and Modifying Indexes

Identifying and Resolving Concurrency Problem

- Defining Transactions and Scope
- Understanding SQL Server Lock Management
- AlwaysOn Replicas to Improve Concurrency
- Detecting and Correcting Deadlocks
- Diagnosing Bottlenecks
- Using Reports for Performance Analysis