

## **Dicas estudo – Certificação SQL Server Administração**

### **Install and configure**

- Plan installation
- [Planning a SQL Server Installation](#)
- [SQLIO Tutorial for Benchmarking Hard Drive Performance](#)
- [Install SQL Server 2014 on Server Core](#)
- [Benchmarking SQL Server IO with SQLIO](#)
- [SQL Server Hardware Configuration Best Practices](#)
- [Securing SQL Server](#)
- [SQL Server Hardware](#)
- [Hardware and Software Requirements for Installing SQL Server 2014](#)
- [Surface Area Configuration](#)
- Install SQL Server and related services
- [How to: Verify a Connection to the Database Server](#)
- [How to partition and format your hard drive in Windows](#)
- [Install Integration Services](#)
- [Install SQL Server 2014 from the Installation Wizard \(Setup\)](#)
- Implement a migration strategy
- [SQL Server backup/restore vs. detach/attach](#)
- [SQL Server Migration Assistant \(SSMA\) Team's Blog](#)
- [Migrate the Correct Logins with a SQL Server Database](#)
- [Move a database from one server to another server in SQL Server](#)
- Configure additional SQL Server components
- [SQL Server backup/restore vs. detach/attach](#)
- [Security Overview \(Integration Services\)](#)
- [Full-Text Search.](#)
- [FILESTREAM \(SQL Server\).](#)
- [FileTable Feature in SQL Server 2012.](#)
- [Using FILESTREAM to Store BLOBs in the NTFS File System.](#)
- Manage SQL Server Agent
- [SQL Server Agent](#)
- [SQL Server Multi Server Administration](#)
- [SQL Server Agent Tips](#)

### **Maintain instances and databases**

- Manage and configure databases
- [SQL Server Partitioned Tables with Multiple Filegroups for High Availability](#)
- [View or Change the Properties of a Database](#)
- [Implementing Transparent Data Encryption in SQL Server](#)
- [SQL Server 2012 Contained Database Feature](#)
- [Move data between SQL Server database filegroups](#)
- [Top Tips for Effective SQL Server Database Maintenance](#)
- [SQL Server Recovery Models](#)
- [DBCC \(Transact-SQL\)](#)
- Configure SQL Server instances

- Import SQL Server Database Engine Policies with Policy Based Management
- View or Change Server Properties (SQL Server)
- Setup SQL Server Database Mail to use a Gmail, Hotmail, Yahoo or AOL account
- SQL Server Database Mail Tips
- Instance Configuration
- Configure Database Mail
- Understanding SQL Server Index Fill Factor Setting
- SQL Server Failover Cluster Installation
- sp\_configure (Transact-SQL)
- Best Practices for Virtualizing and Managing SQL Server - Microsoft
- SQL Server on VMware Best Practices Guide
- SQL Server Virtualization Overview (Part 1 of 5)
- A Sysadmin's Guide to Microsoft SQL Server Memory
- MSDTC Recommendations on SQL Failover Cluster
- Different ways to determine free space for SQL Server databases and database files
- Affinity mask Server Configuration Option
- SQL Server Compression Tips
- Implement a SQL Server clustered instance
- SQL Server Failover Cluster Installation
- SQL Server Multi-Subnet Clustering (SQL Server)
- How to Failover the 'Cluster Group' and 'Available Storage' Cluster Groups
- Manage SQL Server instances
- Instance Configuration
- Work with Multiple Versions and Instances of SQL Server
- Best Practices for Patching SQL Server
- SQL Server Resource Governor Tips
- Best Practice Recycling SQL Server Agent Error Logs
- Cycle SQL Server Error Logs based on size using PowerShell

### **Optimize and troubleshoot**

- Identify and resolve concurrency problems
- SQL Server Concurrency: Locking, Blocking and Row Versioning
- Performance Tuning with SQL Server Dynamic Management Views
- A Microsoft SQL Server DMV/DMF Cheat-Sheet
- Detecting and Ending Deadlocks
- Dynamic Management Views and Functions (Transact-SQL)
- Collect and analyze troubleshooting data
- Mastering SQL Server Profiler
- Monitor Resource Usage (System Monitor)
- Give SQL Server users access to Extended Events
- Extended Events
- Dynamic Management Views
- Data Collection
- Identify Bottlenecks
- SQL Server Performance Tuning Tips
- Audit SQL Server instances.

- Configure Login Auditing (SQL Server Management Studio)
- Configuring Alerts for SQL Server Policy Based Management
- SQL Server Auditing and Compliance Tips
- Auditing Failed Logins in SQL Server
- Prevent and Log Certain SQL Server Login Attempts
- Use Extended Events to Get More Information About failed SQL Server Login Attempts

## **Manage Data**

- Configure and maintain a back-up strategy
- Back Up and Restore of SQL Server Databases.
- Back Up and Restore of System Databases (SQL Server)
- SQL Server point in time restore
- BACKUP (Transact-SQL)
- Copy Only Backup for SQL Server
- How to Back Up Terabytes of Databases
- SQL SERVER - Corrupted Backup File and Unsuccessful Restore
- Checking to make sure a SQL Server backup is useable
- Using Page Level Restore as a Disaster Recovery Procedure in SQL Server
- Restoring the SQL Server Master Database Even Without a Backup
- Restore databases
- Recovering a SQL Server TDE Encrypted Database Successfully
- Troubleshooting and Fixing SQL Server Page Level Corruption
- SQL Server point in time restore
- Restore Pages (SQL Server)
- Restore Files and Filegroups (SQL Server)
- RESTORE (Transact-SQL)
- Implement and maintain indexes
- Stairway to SQL Server Indexes
- SQL Server Full Text Search Tips
- Stairway to Columnstore Indexes
- Full-Text Search
- DBCC INDEXDEFRAG (Transact-SQL)
- Import and export data
- SQL Server Import and Export Wizard
- Different Options for Importing Data into SQL Server
- Stairway to SQL Server Integration Services
- BCP Utility
- BULK INSERT (Transact-SQL)

## **Implement security**

- Manage logins and server roles
- SQL Server Security Tips
- SQL Server 2012 Security Best Practices
- Protecting SQL Server Data
- Server-Level Roles

- Understanding SQL Server fixed server roles
- Permissions (Database Engine)
- Where Does SQL Server Store Its Certificates
- Module Signing (Database Engine)
- SQL Server User Defined Server Roles
- Manage database security
- Understanding SQL Server fixed database roles
- SQL Server Audit (Database Engine)
- SQL Server Encryption
- SQL Management Studio – How to create read only users
- Manage users and database roles
- Database-Level Roles
- Create a Database User
- SQL Server 2012 Contained Database Feature.
- CREATE USER (Transact-SQL)
- Authorization and Permissions in SQL Server
- Troubleshoot security
- SQL Server Certificates and Asymmetric Keys
- Implementing Endpoints
- SQL Server Endpoints: Soup to Nuts

## **Implement high availability**

- Implement AlwaysOn
- AlwaysOn in Microsoft SQL Server 2014
- Microsoft SQL Server 2014 AlwaysOn (High Availability and Disaster Recovery)
- Always On Availability Groups (SQL Server)
- Always On Failover Cluster Instances (SQL Server)
- SQL Server high availability with AlwaysOn – First Look
- Implement replication
- Step By Step SQL Server Log Shipping
- SQL Server Replication Tips
- SQL Server Replication