



Setting up SQL Server Management Studio

SQL Server Management Studio (SSMS) is a software application developed by Microsoft that serves as a comprehensive integrated environment for managing SQL Server databases. It provides a graphical user interface (GUI) and a set of tools for configuring, monitoring, and administering SQL Server instances, databases, and related components.

Key features of SQL Server Management Studio include:

1. **Object Explorer:** Allows users to navigate and manage SQL Server instances, databases, tables, stored procedures, views, and other database objects.
2. **Query Editor:** Provides a powerful interface for writing and executing SQL queries against SQL Server databases. It supports syntax highlighting, IntelliSense for code completion, and multiple query windows.
3. **Database Diagrams:** Enables users to create and visualize database schemas using graphical diagrams. It allows for easy design and modification of database structures.
4. **Performance Monitoring:** Offers tools for monitoring and optimizing the performance of SQL Server databases, including real-time performance counters, execution plans, and query statistics.
5. **Backup and Restore:** Facilitates backup and restore operations for SQL Server databases, allowing users to create and manage database backups, as well as restore databases from backup files.
6. **Security Management:** Provides capabilities for managing security permissions, roles, logins, and auditing settings for SQL Server instances and databases.
7. **Integration Services (SSIS):** Includes features for designing, deploying, and managing SQL Server Integration Services packages, which are used for data integration and ETL (extract, transform, load) processes.
8. **Analysis Services (SSAS):** Offers tools for managing SQL Server Analysis Services instances and databases, used for online analytical processing (OLAP) and data mining.
9. **Reporting Services (SSRS):** Integrates with SQL Server Reporting Services to create, deploy, and manage reports based on data stored in SQL Server databases.

SQL Server Management Studio is widely used by database administrators, developers, and other professionals involved in managing SQL Server environments. It provides a centralized and intuitive interface for performing various database-related tasks, making it an essential tool in the SQL Server ecosystem.

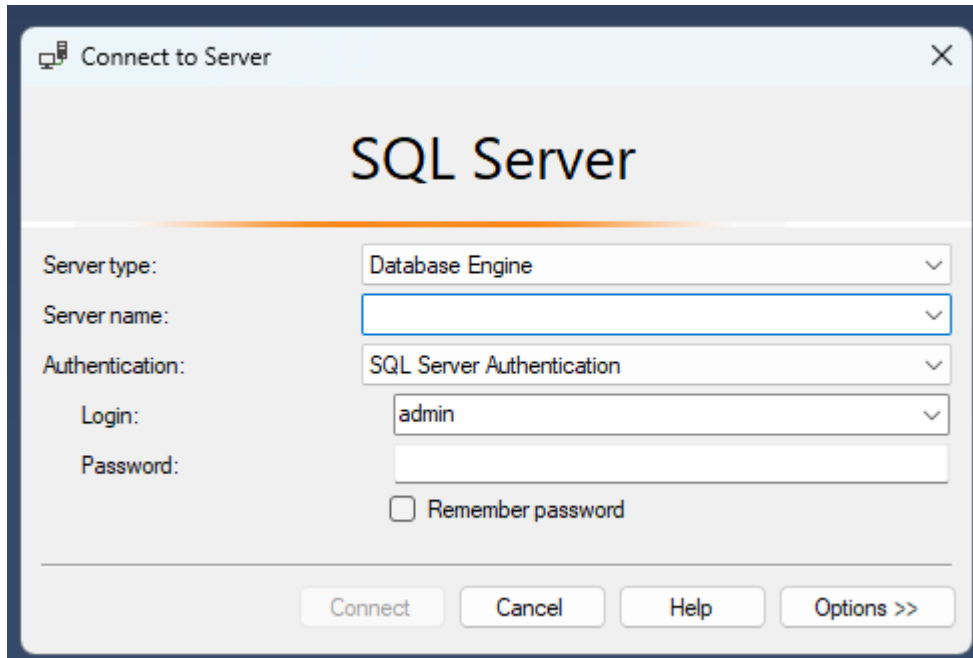


To begin with the Lab:

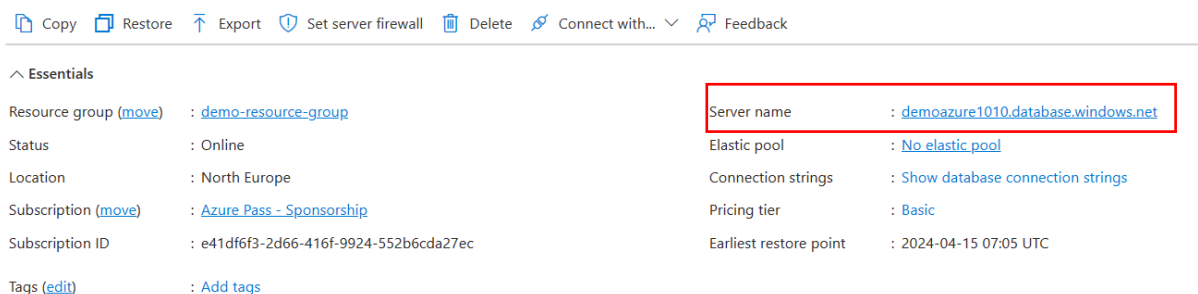
1. In this lab first, you are going to download SQL Server Management Studio.
2. To download SQL Server Management Studio(SSMS), you can visit the site mentioned below.

<https://learn.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver16>

- Once you have downloaded it then install it. This app will install SSMS and Azure Data Studio.
- Now open it, and you will see a small screen like this. Here you can log in with your SQL Server Database.



- Now to log in simply go back to Azure Portal and here you have to copy the server's name.



- Then paste the server here, after that in login and password you have to enter the details that you have filled in while creating your SQL Database.

Connect to Server

SQL Server

Server type: Database Engine

Server name: demoazure1010.database.windows.net

Authentication: SQL Server Authentication

Login: sqladmin

Password: *****

☐ Remember password

Connect Cancel Help Options >>

7. Now in the app you can see the details of your server. You just need to expand them and you will also be able to see your tables.

