

Designing Advanced Data Architectures for Business Intelligence

SQL Server environment setup and loading Chinook dataset

Name – Krisha Lakhani

NUID - 002334794

Microsoft Azure

Search resources, services, and docs (G+J)

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Create SQL Database Server

Microsoft

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ Azure for Students

Resource group * ⓘ (New) DamgFall2025
[Create new](#)

Server details

Enter required settings for this server, including providing a name and location.

Server name * damgfall2025-sqlserver ✓
.database.windows.net

Location * (US) East US 2 ✓

Authentication

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Authentication

📘 Azure Active Directory (Azure AD) is now Microsoft Entra ID. [Learn more](#)

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Microsoft Entra authentication [Learn more](#) or using an existing Microsoft Entra user, group, or application as Microsoft Entra admin [Learn more](#) or, or select both SQL and Microsoft Entra authentication.

Authentication method

☐ Use Microsoft Entra-only authentication

☐ Use both SQL and Microsoft Entra authentication

☒ Use SQL authentication

Server admin login * sqladmin ✓

Password * ✓

Confirm password * ✓

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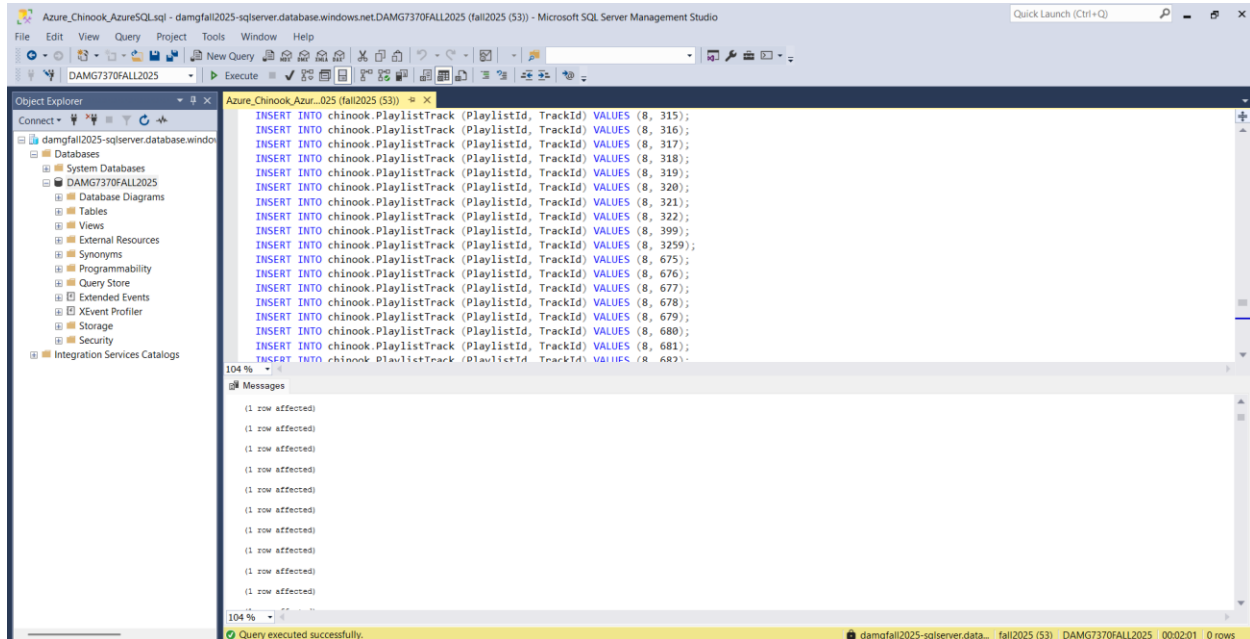
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The screenshot shows the Microsoft Azure portal interface for the resource 'damgfall2025-sqlserver' under the subscription 'DAMG7370FALL2025'. The left sidebar shows the 'Networking' section selected. The main content area displays the 'Virtual networks' and 'Firewall rules' sections. A warning message at the top states: 'Connections from the IP addresses configured in the Firewall rules section below will have access to this database. By default, no public IP addresses are allowed. Learn more'. The 'Virtual networks' section has a table with columns: Rule, Virtual network, Subnet, Address range, Endpoint status, Resource group, Subscription, and State. The 'Firewall rules' section has a table with columns: Rule name, Start IPv4 address, and End IPv4 address. A rule named 'ClientIPAddress_2025-10-1_18-5-2' is listed with a start address of 166.198.21.9 and an end address of 166.198.21.9. The 'Exceptions' section is empty. At the bottom, there are 'Save' and 'Discard' buttons.

The screenshot shows the Microsoft Azure portal interface for the resource 'damgfall2025-sqlserver' under the subscription 'DAMG7370FALL2025'. The left sidebar shows the 'Overview' section selected. The main content area displays the 'Essentials' section with a table of resource details. The table has columns: Resource group (DAMG7370FALL2025), Status (Available), Location (East US 2), Subscription (Azure for Students), Subscription ID (cbaeb871-8e5f-49d0-825b-6bdc75b282f1), Tags (Add tags), Server admin (sqladmin), Networking (Show networking settings), Microsoft Entra admin (Not configured), and Server name (damgfall2025-sqlserver.database.windows.net). Below the table, there are tabs for 'Notifications (0)' and 'Features (6)'. The 'Features' tab is active, showing a grid of feature cards. The cards are: 'Microsoft Entra admin' (NOT CONFIGURED), 'Microsoft Defender for SQL' (NOT CONFIGURED), 'Automatic tuning' (CONFIGURED), 'Auditing' (NOT CONFIGURED), 'Failover groups' (NOT CONFIGURED), and 'Transparent data encryption' (SERVICE-MANAGED KEY).

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