



Create a read-only user in Azure SQL

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Azure SQL

One of my colleagues asked me how to create a read-only user for a particular database in Azure SQL, I thought it would be similar process as how I did in SQL server. As it turned out, it wasn't really straightforward. I decide to share my learning in this blog post.

Step 1

Run the following scripts to create user (1st script) and grant db (2nd script)

```
CREATE USER [yourusername] WITH PASSWORD = 'strong password';
```

```
ALTER ROLE [db_datareader] ADD MEMBER [yourusername];
```

Step 2

Open your SQL Management Studio (SSMS). Fill the login details with the username/password created above, click on **Options** and enter the database name.



The screenshot shows the 'Connect to Server' dialog box in SQL Server Management Studio. The dialog has a title bar 'Connect to Server' and a close button. The main heading is 'SQL Server'. Below this, there are several fields and a checkbox:

- Server type:** A dropdown menu showing 'Database Engine'.
- Server name:** A text box containing 'localhost.database.windows.net,1433'.
- Authentication:** A dropdown menu showing 'SQL Server Authentication'.
- Login:** A text box containing 'yourusername'.
- Password:** A text box containing 'strong password'.
- Remember password:** An unchecked checkbox.

At the bottom of the dialog, there are four buttons: 'Connect', 'Cancel', 'Help', and 'Options >>'. A red arrow points to the 'Options >>' button.

Connect to Server ✕

SQL Server

Login Connection Properties Always Encrypted Additional Connection Parameters

Type or select the name of the database for the connection

Connect to database:

Network

Network protocol:

Network packet size: bytes

Connection

NOTES: You must always specify the database name as the user created with step 1 SQL script is using [Contained Database User Model](#)

References

- [Contained Database Users - Making Your Database Portable](#)
- [Database-Level Roles](#)
- [Permissions \(Database Engine\)](#)

Happy Coding! 🧐