

**DATA EXPOSED SPECIAL** 

# Around the Clock with Azure SQL and Azure Data Factory

**Americas** 

February 3, 2021 09:00 - 17:00 PT **Asia** 

February 4, 2021 09:00 - 17:00 SGT



HOSTED BY Wee Hyong Tok & Anna Hoffman

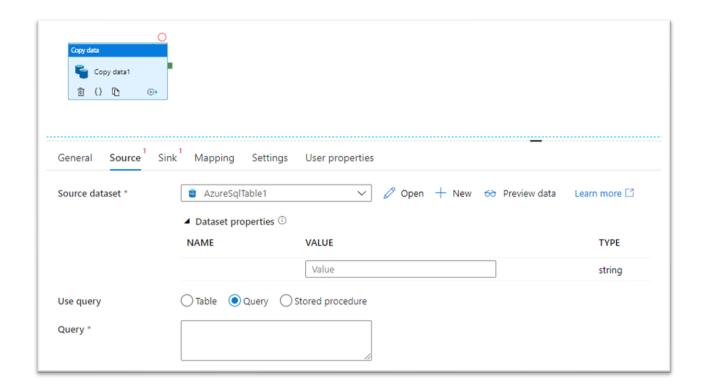


## Develop with Azure SQL in the Browser

**Drew Skwiers-Koballa** 

#### Writing T-SQL Queries

- Visualize data before adding a new dataset to a pipeline
- Ah-hoc reporting needs
- DDL (data definition language) statements for tables, stored procedures, indexes, etc.



#### Writing T-SQL Queries... in a browser!

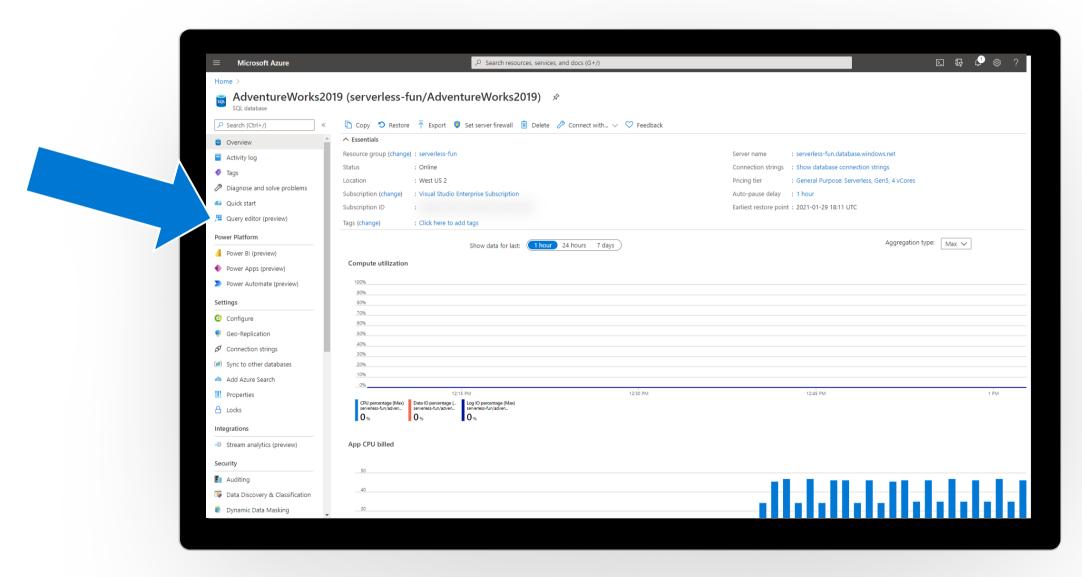
#### On the Portal

SQL Database Query Editor can connect and query your Azure SQL database.

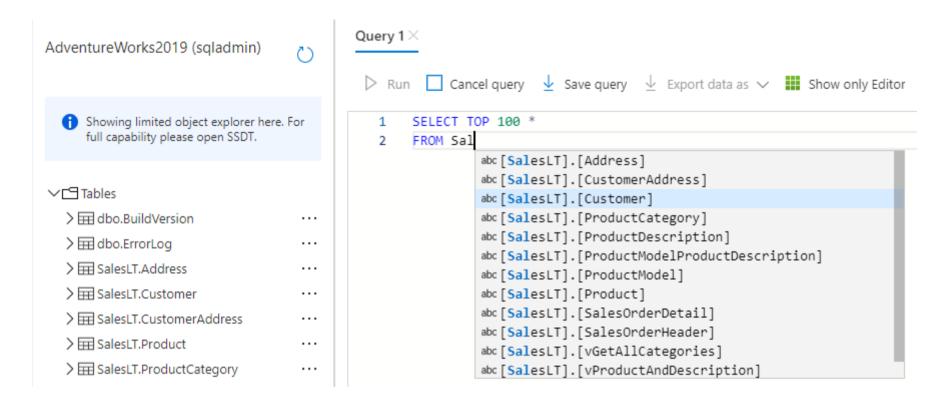
#### From GitHub in Codespaces beta

The mssql extension for VS Code supports connecting to your Azure SQL, SQL Server, or Synapse SQL instances.

## Azure SQL Query editor in the Portal



#### **Portal Query editor**

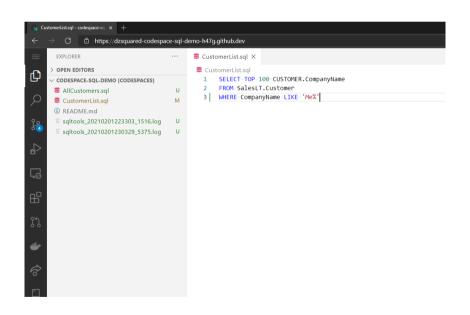


Write and run queries
Auto-complete
Open existing query files

#### What is a Codespace?

#### What it looks like:

VS Code in the browser.



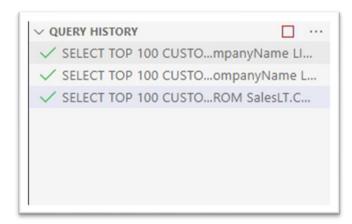
#### Behind the scenes:

- A container hosting the VS Code application and extensions
- The environment auto-pauses after a period of inactivity
- Environment can be customized with .devcontainer files

#### mssql extension features

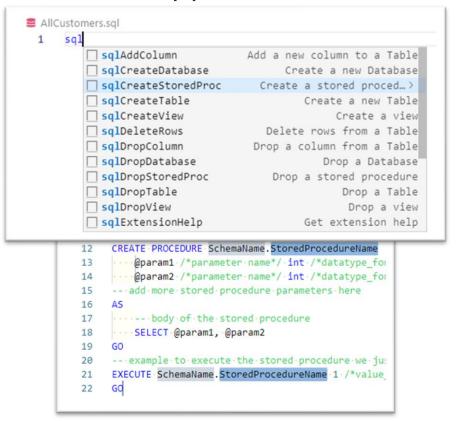
#### **Query history**

- Track recent query history during a session
- Reopen previous queries



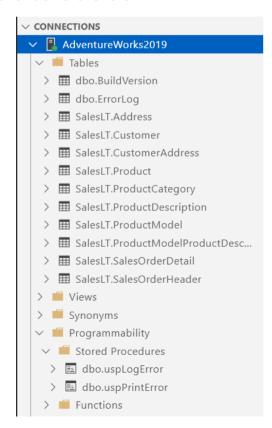
#### **Snippets**

 Save commonly used code templates as VS Code snippets



# Connect to SQL Server and Azure SQL

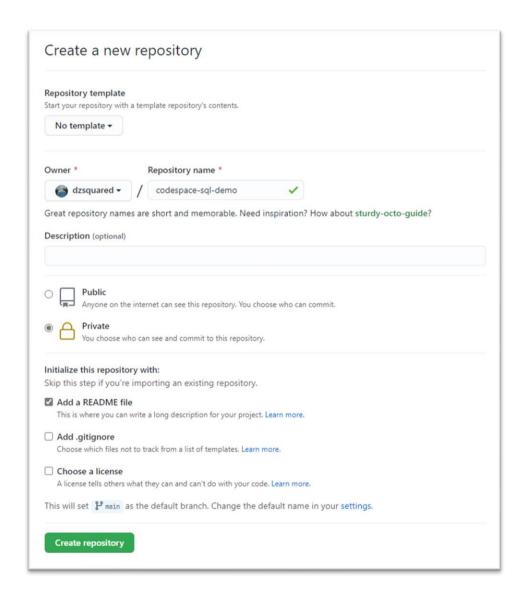
 Save connections to one or many databases

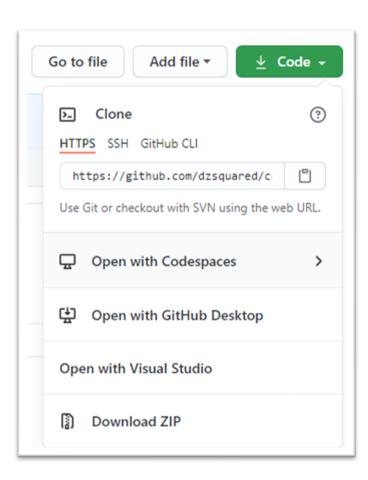


#### mssql extension for VS Code and GitHub Codespaces

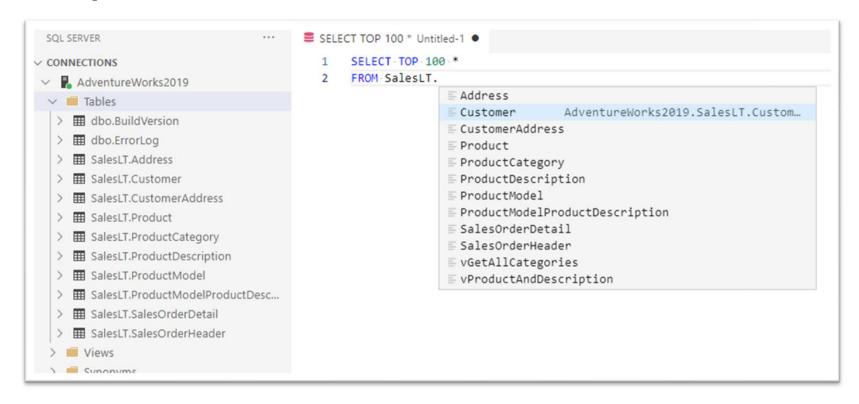
# Starting from Scratch

- Create a new repository on GitHub
- 2. Create new Codespace from GitHub





#### **GitHub Codespace Basics**



#### Write and run queries

Intellisense

Organize queries in source control

+ all the mssql extension features

# Recap

**Quick!** Query editor for Azure SQL database in the Portal <a href="https://docs.microsoft.com/azure/azure-sql/database/connect-query-portal">https://docs.microsoft.com/azure/azure-sql/database/connect-query-portal</a>

Cloud Environment: GitHub Codespace with mssql extension for VS Code

https://github.com/features/codespaces

https://github.com/microsoft/vscode-mssql



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### Thank you!