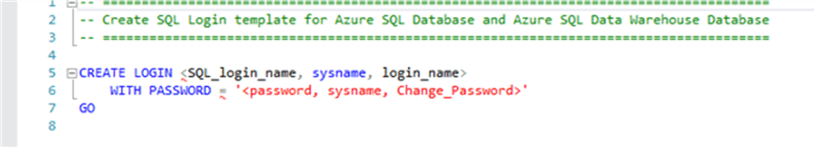
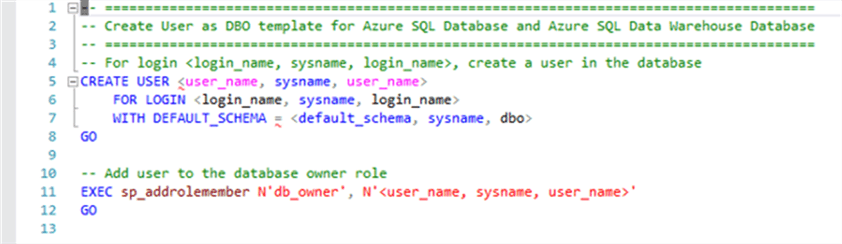
**Azure SQL DB pool**

<https://www.mssqltips.com/sqlservertip/5242/adding-users-to-azure-sql-databases/>

Create DBO user for DB





-- create SQL auth login from master

CREATE LOGIN test

WITH PASSWORD = 'SuperSecret!'

* Open another query window and choose your user database in the dropdown.

-- select your db in the dropdown and create a user mapped to a login

CREATE USER [test]

FOR LOGIN [test]

WITH DEFAULT\_SCHEMA = dbo;

-- add user to role(s) in db

ALTER ROLE db\_datareader ADD MEMBER [test];

ALTER ROLE db\_datawriter ADD MEMBER [test];

CREATE USER [test]

WITH PASSWORD = 'SuperSecret!',

DEFAULT\_SCHEMA = dbo;

-- add user to role(s) in db

ALTER ROLE db\_datareader ADD MEMBER [test];

ALTER ROLE db\_datawriter ADD MEMBER [test];

* Connect to your Azure SQL Database server with SSMS as an admin and choose the database you want to add a user to in the dropdown. Add Azure Active Directory user ‘name@domain.com’ then add it to the db\_datareader and db\_datawriter roles.

-- add contained Azure AD user

CREATE USER [name@domain.com]

FROM EXTERNAL PROVIDER

WITH DEFAULT\_SCHEMA = dbo;

-- add user to role(s) in db

ALTER ROLE db\_datareader ADD MEMBER [test];

ALTER ROLE db\_datawriter ADD MEMBER [test];

* Next, we'll create a login and user in master that can manage databases and logins. Connect to your Azure SQL Database server with SSMS as an admin in master. Add a SQL authentication login called ‘test2’ and a password of ‘SuperSecret!’, create a user mapped to it in master and add the user to the dbmanager and login manager roles.

-- add login

CREATE LOGIN [test2]

WITH PASSWORD='SuperSecret!';

-- add user

CREATE USER [test2]

FROM LOGIN [test2]

WITH DEFAULT\_SCHEMA=dbo;

-- add user to role(s) in db

ALTER ROLE dbmanager ADD MEMBER [test2];

ALTER ROLE loginmanager ADD MEMBER [test2];

* Lastly, we'll add an Azure Active Directory user that can also manage databases and logins. Connect to your Azure SQL Database server with SSMS as an admin in master. Add a contained user ‘name@domain.com’ and add it to the dbmanager and login manager roles.

-- add contained Azure AD user

CREATE USER [name@domain.com]

FROM EXTERNAL PROVIDER

WITH DEFAULT\_SCHEMA = dbo;

-- add user to role(s) in db

ALTER ROLE dbmanager ADD MEMBER [name@domain.com];

ALTER ROLE loginmanager ADD MEMBER [name@domain.com];

select name as username,

create\_date,

modify\_date,

type\_desc as type,

authentication\_type\_desc as authentication\_type

from sys.database\_principals

where type not in ('A', 'G', 'R', 'X')

and sid is not null

order by username;

SELECT u.name AS UserName, u.type\_desc AS UserType, r.name AS RoleName

FROM sys.database\_principals AS u

LEFT JOIN sys.database\_role\_members AS rm ON rm.member\_principal\_id = u.principal\_id

LEFT JOIN sys.database\_principals AS r ON r.principal\_id = rm.role\_principal\_id

WHERE

u.type NOT IN('R', 'G')

ORDER BY

UserName

, RoleName;