

# Adding Azure SQL DB application manually into Azure AD tenant

Last updated by | Vitor Tomaz | Feb 18, 2021 at 2:30 AM PST

## Adding Azure SQL DB application manually into Azure AD tenant

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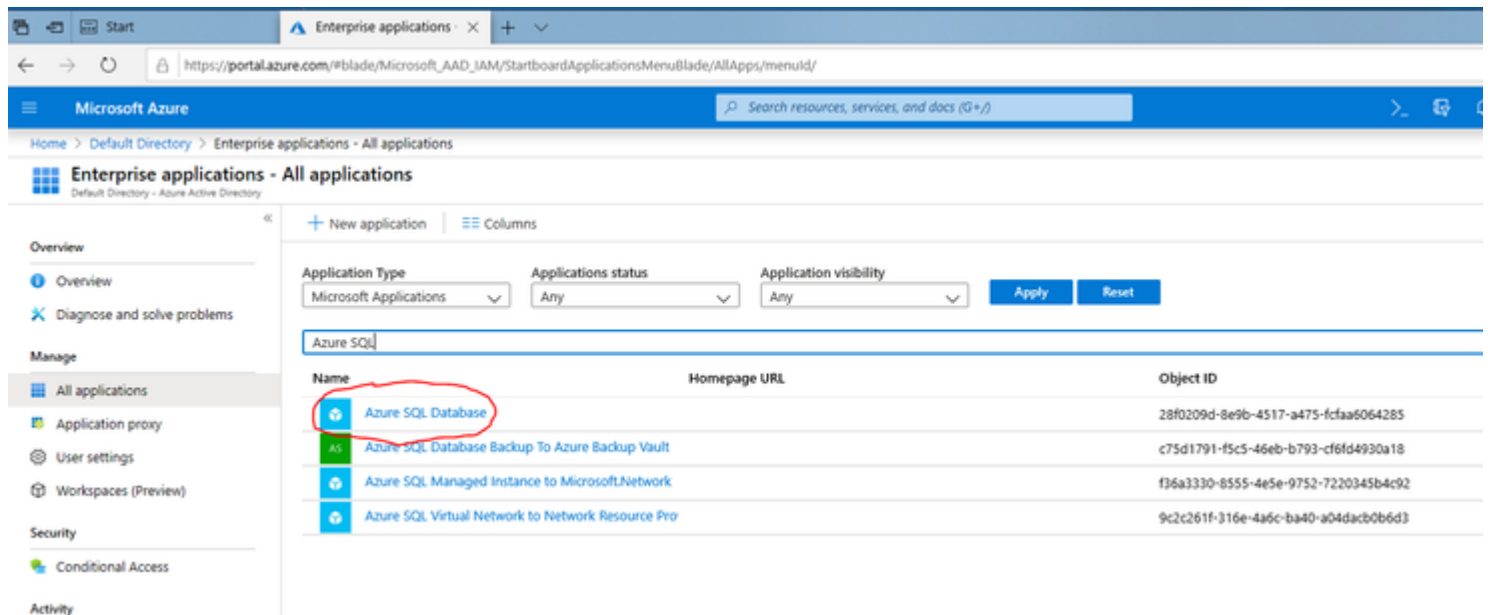
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### Issue

How to Add Azure SQL Database application manually into Azure AD Tenant. *(FYI - This execution requires an Azure AD admin permission on the tenant)*

### Mitigation

Check if the Azure SQL Database has already been added to the Azure AD directory (see below)



The screenshot shows the Azure portal interface for 'Enterprise applications - All applications'. The left sidebar contains navigation options like Overview, Diagnose and solve problems, Manage, All applications, Application proxy, User settings, Workspaces (Preview), Security, Conditional Access, and Activity. The main content area displays a table of applications. The first application, 'Azure SQL Database', is circled in red. Below it are other applications like 'Azure SQL Database Backup To Azure Backup Vault', 'Azure SQL Managed Instance to Microsoft.Network', and 'Azure SQL Virtual Network to Network Resource Pro'.

Name	Homepage URL	Object ID
Azure SQL Database		28f0209d-8e9b-4517-a475-fcfaa6064285
Azure SQL Database Backup To Azure Backup Vault		c75d1791-f5c5-46eb-b793-cf6fd4930a18
Azure SQL Managed Instance to Microsoft.Network		f36a3330-8555-4e5e-9752-7220345b4c92
Azure SQL Virtual Network to Network Resource Pro		9c2c261f-316e-4a6c-ba40-a04dacc0b6d3

Azure SQL Database API permissions must also be part of created applications

Below, we indicate the API permissions required for a user created application permission

Go to App registration->myapp-> API my organization uses, and check if "Azure SQL Database" is listed for your tenant) allowing you to grant it the necessary permission (see below).

The screenshot shows the 'API permissions' page in the Azure portal. On the left, a sidebar contains navigation links like 'Overview', 'Quickstart', 'Manage', 'API permissions', 'Expose an API', 'Owners', 'Roles and administrators', 'Manifest', 'Support + Troubleshooting', and 'New support request'. The main area is titled 'myapp - API permissions' and includes a search bar, a refresh button, and a message about admin consent. Below this, there's a section for 'Configured permissions' with a table listing various APIs and their permissions. The 'Azure SQL Database' permission is circled in red. On the right, the 'Request API permissions' section shows the 'Azure SQL Database' application selected.

## Step 2.

In Case Azure SQL DB is not part of the tenant, the following two options can be used to add it

### Option 1: Execute one of the commands below comment to create an "Azure SQL Database" application in the tenant

- Connect-AzureAD -TenantId "[The tenant Id]"
- New-AzureADServicePrincipal -AppId "022907d3-0f1b-48f7-badc-xxxxx" -DisplayName "Azure SQL Database"
- New-AzureADServicePrincipal -AppId "022907d3-0f1b-48f7-badc-xxxxx" New-AzureADServicePrincipal -DisplayName "Azure SQL Database"

### Option 2: Re-register for Microsoft.SQL

- Register a subscription for Microsoft.SQL by executing the com

## Classification

Root cause Tree - Connectivity/AAD Issue/Other Client Driver / Client Issue

## How good have you found this content?

