

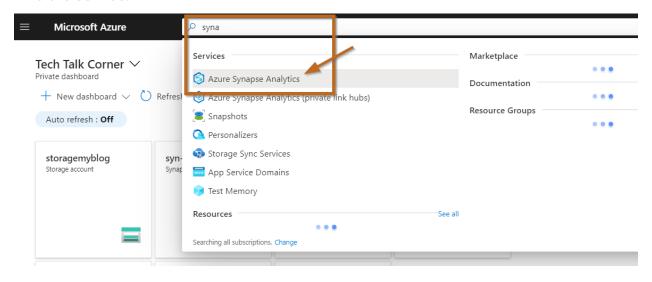
Pre-requisite 2: Create Azure Synapse Analytics

This exercise outlines the steps to follow to create an Azure Synapse Analytics Workspace using the Azure portal.

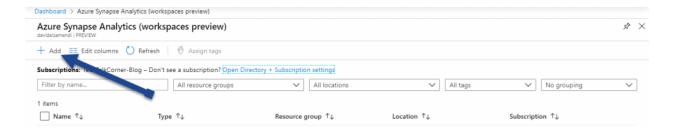
Duration: 15 minutes

Step 1 - Find Azure Synapse Analytics in Azure Portal

Find the service:



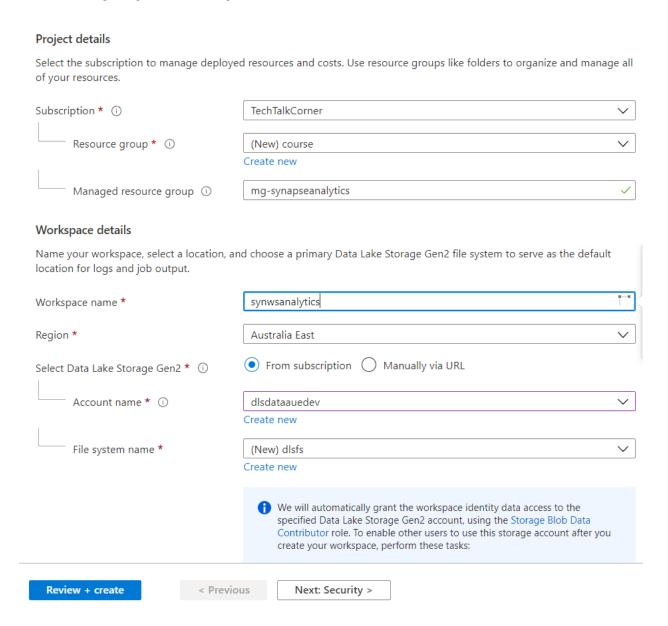
Click Add.





Step 2 - Basic Configuration

Create Synapse workspace



Project Details

Select the subscription, the resource group where you'd like to create an Azure Synapse Analytics Workspace and the managed resource group that is created automatically by Microsoft.

Workspace Details



- **Workspace name**: surprisingly you cannot use the naming convention highlighted by <u>Microsoft</u> (syn-), so you will stick with synws (Synapse Workspace).
- **Region**: select the region where you want to host your service.
- Select Data Lake Storage Gen2: use an existing account in your subscription, external subscription or create a new one. After the creation of an Azure Synapse Analytics Workspace, it will add permissions directly to the storage account.

Step 3 - Security

Create SQL Server credentials for the SQL pools (we will not use these credentials in the course but they are required).



Create Synapse workspace

SQL administrator credentials Provide credentials that can be used for administrator access to the workspace's SQL pools. If you don't provide a password, one will be automatically generated. You can change the password later. sqladminuser SQL Server admin login * ① SQL Password ① Confirm password System assigned managed identity permission Select to grant the workspace network access to the Data Lake Storage Gen2 account using the workspace system identity. Learn more d Allow network access to Data Lake Storage Gen2 account. ① 1 The selected Data Lake Storage Gen2 account does not restrict network access using any network access rules, or you selected a storage account manually via URL under Basics tab. Learn more d Workspace encryption Double encryption configuration cannot be changed after opting into using a customer-managed key at the time of Choose to encrypt all data at rest in the workspace with a key managed by you (customer-managed key). This will provide double encryption with encryption at the infrastructure layer that uses platform-managed keys. Learn more 🗗 Enable Disable Double encryption using a customermanaged key

Next: Networking >

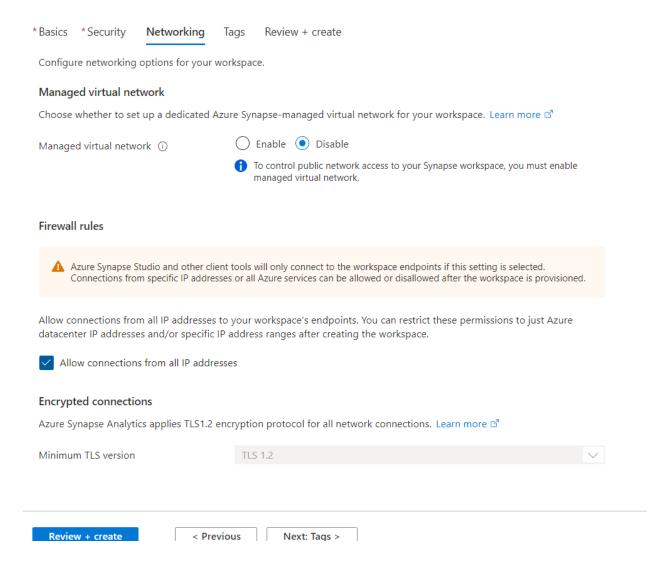
Step 4 - Networking

Review + create

Lastly, configure the Networking section as follow.

< Previous

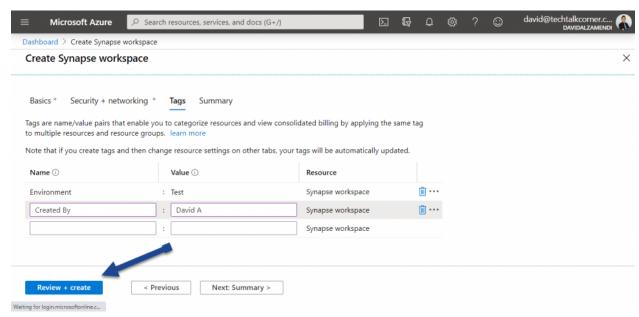




Step 5 - Tags

Make sure you create/include some tags that facilitate the administration.

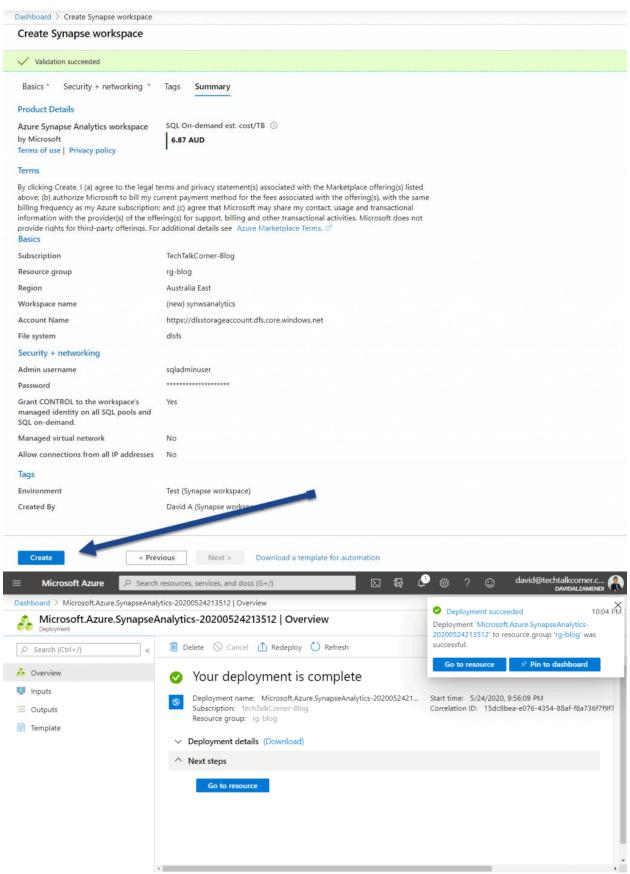




Step 6 - Summary

Below is the last screen before you create an Azure Synapse Analytics Workspace!







Step 7 – Access

Now, if you access the link for Azure Synapse Analytics Workspaces, you will have full access.

