Lab 10: Creating and configuring an Azure Synapse Workspace

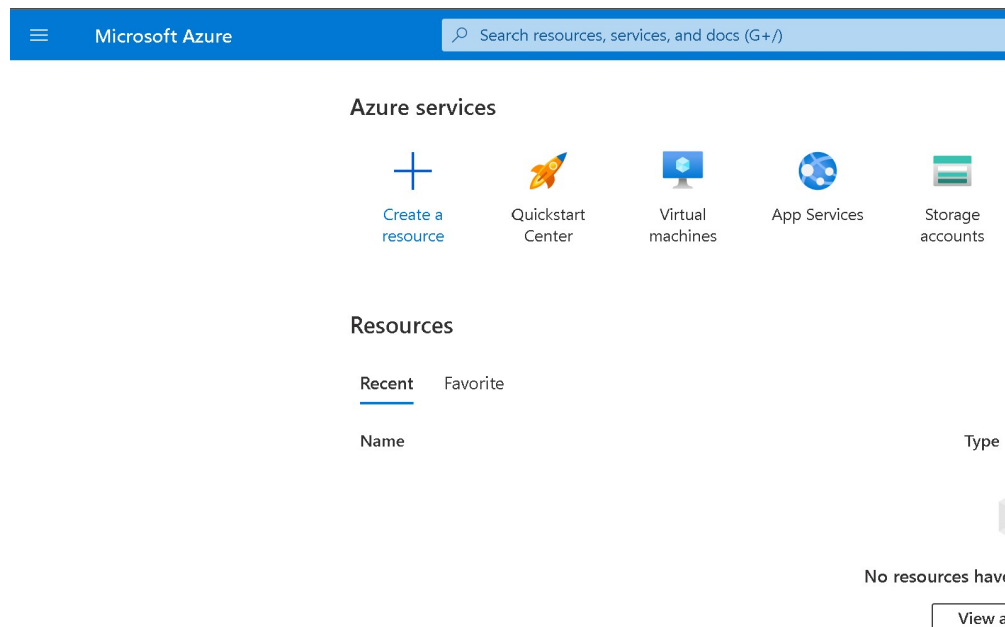## Goal

During this lab you will learn how to create an **Azure Synapse workspace** through the Azure Portal

Tasks

Task 1: Creating the Databricks Workspace

Log in to the Azure Portal: https://portal.azure.com

When in the portal click on **Create a resource**

Search for *Azure Synapse Analytics* in the search form and press enter

Create a resource

Get Started	Azure Synapse Analytics
Recently created	Datometry Hyper-Q for Azure Synapse Analytics
Categories	Datometry Hyper-Q for Azure Synapse Analytics
AI + Machine Learning	Azure Synapse Analytics
Analytics	Azure Synapse Analytics (private link hubs)
Blockchain	Create | Docs | MS Learn
Compute	**Azure Cosmos DB**
Containers	Create | Docs | MS Learn
Databases	**Function App**
Developer Tools	Create | Docs

In the Azure Synapse Analytics resouce page description click on *Create*

Azure Synapse Analytics

Microsoft

Azure Synapse Analytics ♡ Add to Favorites

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★ 3.7 (66 Marketplace ratings) | ★ 3.7 (44 external ratings)

Plan

| Azure Synapse Analytics ▼ | **Create** |

Overview   Plans   Usage Information + Support   Reviews

Azure Synapse is a limitless analytics service that brings together data integration, enterprise data warehousing, a

It gives you the freedom to query data on your terms, using either serverless or dedicated resources-at scale. Azure experience to ingest, explore, prepare, manage, and serve data for immediate BI and machine learning needs.

In the creation wizard provide the values to create an Azure Synapse Worspace

Provide the following values:

Property	Description	Example
Subscription	From the drop-down, select your Azure subscription.	Azure Sponsorship Pass
Resource Group	Create a new resource group. You can use any name you want. A resource group is a container that holds related resources for an Azure solution.	rg-synapse-ws
Workspace name	Provide a name for your Databricks workspace. You can use any name you want	asa-workspace-vitaled001
Region	Select your preferred region	West Europe
Account name	Click on *create new* and provide a name for a new Storage Account. You can use any name you want but it should be **globally unique**	staasavitaled001

Property	Description	Example
File system name	Click on *create new* and provide a name for a new file system in the storage account. You can use any name you want	fsstaasavitaled001

Click on **Review + Create**

In the next page:

Home > Create a resource > Azure Synapse Analytics >

Create Synapse workspace   ⋯

✅ Validation succeeded

* Basics   * Security   Networking   Tags   **Review + create**

Product Details

Azure Synapse Analytics workspace
by Microsoft
Terms of use | Privacy policy

Serverless SQL est. cost/TB   ⓘ
4.22 EUR

Terms

By clicking Create, I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. For additional details see Azure Marketplace Terms. 🗗

Basics

Subscription	Visual Studio Enterprise Subscription
Resource group	(new) rg-synapse-ws
Region	West Europe
Workspace name	(new) asa-workspace-vitaled001
Data Lake Storage Gen2 account	(new) https://staasavitaled001.dfs.core.windows.net
Data Lake Storage Gen2 file system	(new) fsstaasavitaled001
Managed resource group	None
Role assignments	The Storage Blob Data Contributor role will be assigned on the specified Data Lake Storage Gen2 account to both the workspace managed identity and the current user.

Security

Authentication method	Use both local and Azure Active Directory (Azure AD) authentication

[**Create**]   [< Previous]   [Next >]   Download a template for automation

Click on **Create**

This will start the creation of your workspace. The deployment can take few minutes. When the deployment process finish click on **Go to resource**

Task 2: Launch the Azure Synapse Workspace

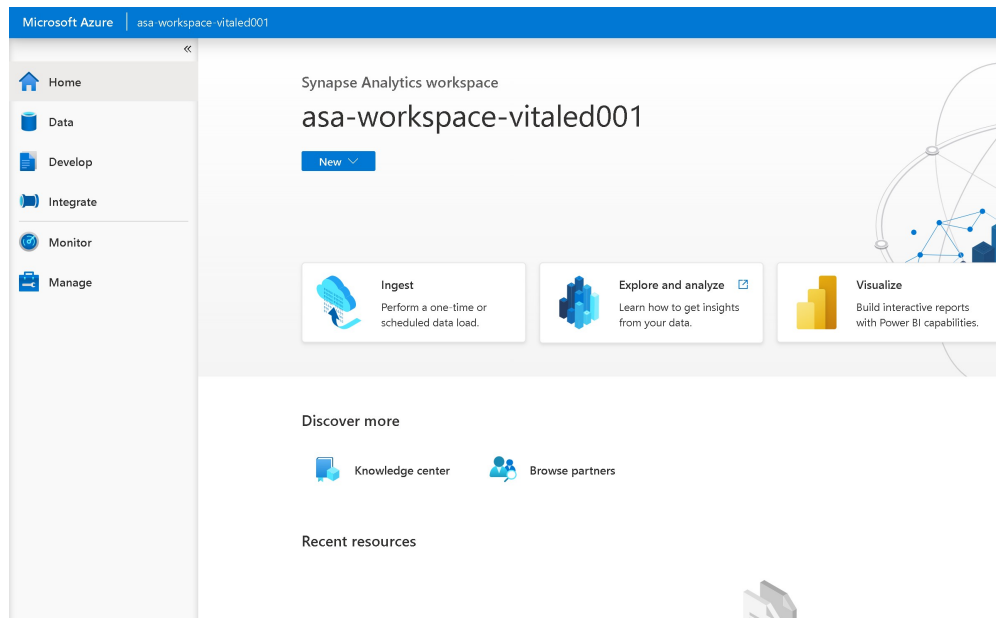After clicking on **Go to resource** you will be brought to the resource group page.

Click on the Azure Synapse Workspace resource (in this example *asa-workspace-vitaled001*)

When in the Azure Synapse Analytics Workspace resource page click on **Open Synapse Studio**

You'll be signed in to the Synapse Studio automatically.

Congratulations you're in your Synapse workspace

This Lab has been completed!