

## Document created on 7-Nov-2022

Please note that I use East US as region for all my personal deployments, you can choose per your choice or depending on the functionalities required.

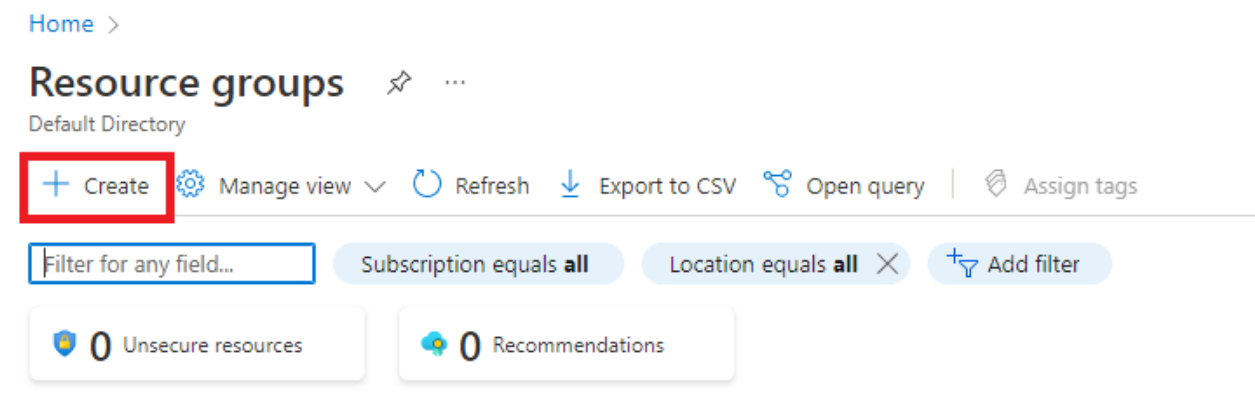
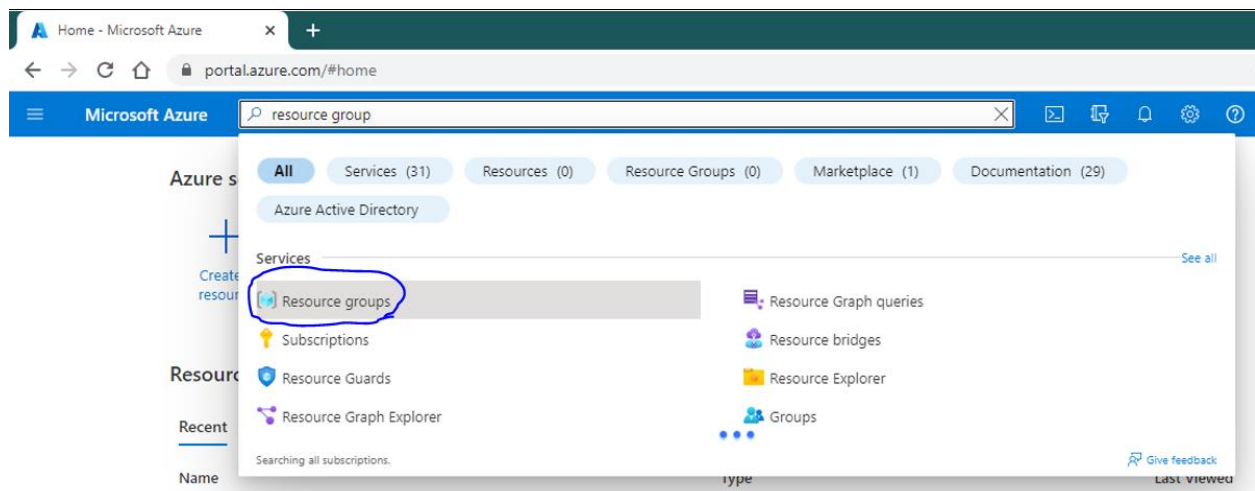
### Step 1:

Login to your azure account via <https://portal.azure.com/>

In case, you don't have an account yet, create one for free using <https://azure.microsoft.com/en-in/free/>

### Step 2:

Once you login to azure account, create a resource group by searching it in the search bar and follow the screenshots below:



[Home](#) > [Resource groups](#) >

## Create a resource group ...

[Basics](#) [Tags](#) [Review + create](#)

**Resource group** - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

### Project details

Subscription \*

Azure Subscription - PAYG

Resource group \*

rg-example

### Resource details

Region \*

(US) East US

Provide a name of your choice

Then click Review + Create

[Review + create](#)[< Previous](#)[Next : Tags >](#)

Home > Resource groups >

## Create a resource group ...

✓ Validation passed.

Basics Tags Review + create

### Basics

Subscription	Azure Subscription - PAYG
Resource group	rg-example
Region	East US

### Tags

None

Create

< Previous

Next >

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Now, the resource group creation has been completed. Move to step 3 to create Storage Account.

### Step 3:

On the home page search “Storage Accounts”

The screenshot shows the Microsoft Azure portal interface. At the top, the search bar contains the text "storage accounts". Below the search bar, a dropdown menu displays various search results categorized under "Services", "Marketplace", and "Documentation". The "Storage accounts" option under the "Services" category is highlighted with a red box. A red arrow points to this option with the text "Click on Storage Accounts". Below the search results, the "Storage accounts" page is displayed, showing a list of storage accounts. The "Create" button is highlighted with a yellow box.

Microsoft Azure portal search results for "Storage Accounts".

The search bar at the top contains the text "storage accounts". Below the search bar, the results are categorized into "All", "Services (19)", "Marketplace (2)", "Documentation (30)", and "Resources (0)".

Under the "Services" category, the "Storage accounts" option is highlighted with a red box. A red arrow points to this option with the text "Click on Storage Accounts".

Below the search results, the "Storage accounts" page is displayed. The page shows a list of storage accounts. The "Create" button is highlighted with a yellow box.

The page also includes a filter bar with the text "Filter for any field..." and several filter buttons: "Subscription equals all", "Resource group equals all", "Location equals all", and "Add filter".

[Home](#) > [Storage accounts](#) >

# Create a storage account ...

[Basics](#)[Advanced](#)[Networking](#)[Data protection](#)[Encryption](#)[Tags](#)[Review](#)

## Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription \*

Azure Subscription - PAYG



Resource group \*

rg-example

[Create new](#)

## Instance details

fill up a globally unique name of your choice

If you need to create a legacy storage account type, please click [here](#).

Storage account name ⓘ \*

sapractice1122

Region ⓘ \*

(US) East US

[Review](#)

&lt; Previous

Next : Advanced &gt;

[Home](#) > [Storage accounts](#) >

# Create a storage account ...

[Basics](#)[Advanced](#)[Networking](#)[Data protection](#)[Encryption](#)[Tags](#)[Review](#)

## Instance details

If you need to create a legacy storage account type, please click [here](#).

Storage account name ⓘ \*

sappractice1122

Region ⓘ \*

(US) East US

Performance ⓘ \*



Standard: Recommended for most scenarios (general-purpose v2 account)



Premium: Recommended for scenarios that require low latency.

Redundancy ⓘ \*

Locally-redundant storage (LRS)

LRS is enough for our purpose

[Review](#)[< Previous](#)[Next : Advanced >](#)

## Create a storage account ...

Basics Advanced Networking Data protection Encryption Tags Review

### Data Lake Storage Gen2

The Data Lake Storage Gen2 hierarchical namespace accelerates big data analytics workloads and enables file-level access control lists (ACLs). [Learn more](#)

Enable hierarchical namespace

☒

1. Select this one to make the storage as Gen2, since we need this to attach it to Synapse Workspace

### Blob storage

Enable SFTP ⓘ

☐

Enable network file system v3 ⓘ

☐

Allow cross-tenant replication ⓘ

☐

Cross-tenant replication and hierarchical namespace cannot be enabled simultaneously.

Review

< Previous

Next : Networking >

2. Click Review directly, we don't need any other changes for our purpose

## Create a storage account ...

Basics   Advanced   Networking   Data protection   Encryption   Tags   Review

Container soft delete	Enabled
Container retainment period in days	7
File share soft delete	Enabled
File share retainment period in days	7
Versioning	Disabled
Blob change feed	Disabled
Version-level immutability support	Disabled

### Encryption

Encryption type	Microsoft-managed keys (MMK)
Enable support for customer-managed keys	Blobs and files only
Enable infrastructure encryption	Disabled

Create

< Previous

Next >

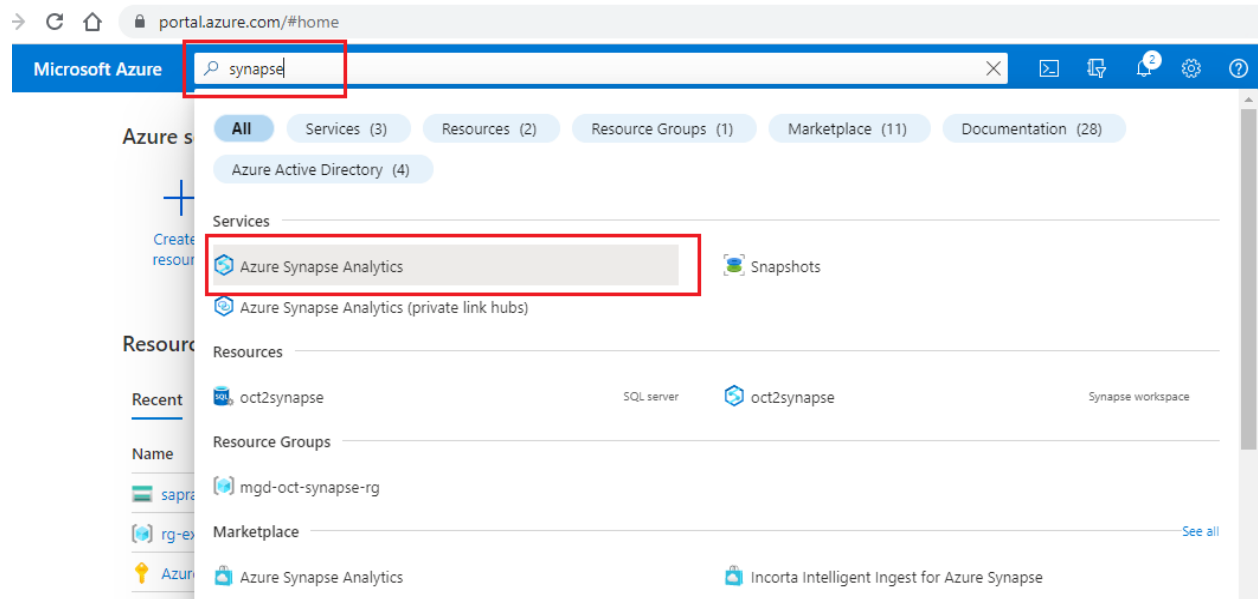
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This may take up to 2 minutes or so, once completed, proceed to next step.



## Step 4:

Let us now create Synapse workspace. On the home page, search Synapse and follow the screenshots below



[Home](#) >

## Azure Synapse Analytics

Default Directory



Create



Manage view



Refresh



Export to CSV



Open query



Assign tags

Filter for any field...

Subscription equals all

Resource group equals all

Location equals all

Add filter

[Home](#) > [Azure Synapse Analytics](#) >

## Create Synapse workspace

Subscription \*

Azure Subscription - PAYG

Resource group \*

rg-example

[Create new](#)

Managed resource group

managed-rg-example

### Workspace details

Name your workspace, select a location, and choose a primary Data Lake Storage Gen2 file system to serve as the default location for logs and job output.

Workspace name \*

mysynapse1122

Region \*

East US

Select Data Lake Storage Gen2 \*

☒ From subscription ☐ Manually via URL

Account name \*

sappractice1122

[Create new](#)

File system name \*

[Create new](#)

Create new

Review + create

< Previous

Next: Security >

Provide a managed rg name, I generally append managed-<<my rg>>

Globally unique name here

Choose your storage account name from drop-down

Workspace name \*

mysynapse1122

Region \*

East US

Select Data Lake Storage Gen2 \*

☒ From subscription ☐ Manually via URL

Account name \*

sappractice1122

[Create new](#)

File system name \*

[Create new](#)

Create new

Review + create

< Previous

Next: Security >

Name for the file system/ container of your choice

Name \*

cnt-my-practice

OK

Cancel

Select Data Lake Storage Gen2 \* ⓘ

☒ From subscription ☐ Manually via URL

Account name \* ⓘ

sappractice1122

[Create new](#)

File system name \*

(New) cnt-my-practice

[Create new](#)

☒ Assign myself the Storage Blob Data Contributor role on the Data Lake Storage Gen2 account to interactively query it in the workspace.

**i** We will automatically grant the workspace identity data access to the specified Data Lake Storage Gen2 account, using the [Storage Blob Data Contributor](#) role. To enable other users to use this storage account after you create your workspace, perform these tasks:

- Assign other users to the **Contributor** role on workspace
- Assign other users the appropriate [Synapse RBAC roles](#) using Synapse Studio
- Assign yourself and other users to the **Storage Blob Data Contributor** role on the storage account

[Learn more](#)

[Review + create](#)

[< Previous](#)

[Next: Security >](#)

## 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 ⓘ  
**360.23 INR**

**This cost is for per TB of data queried.**

### 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: Azure Subscription - DAVC

Create

< Previous

Next >

[Download a template for automation](#)

This step will also take about 4-5 minutes.

Happy Learning!!

Note: Please delete the provisioned resources to avoid unnecessary cost when not in use.