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.

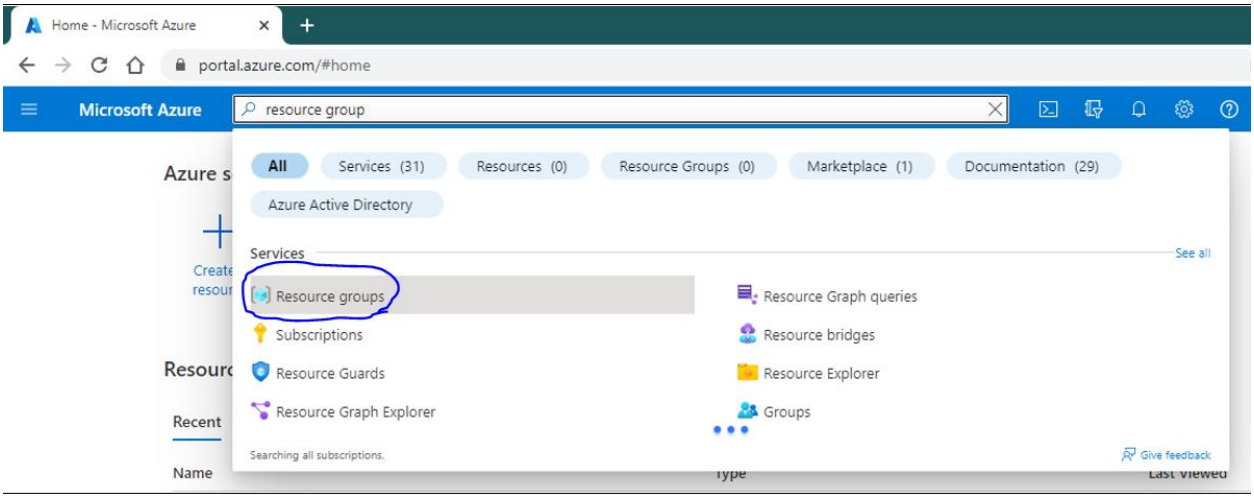
Step 1:

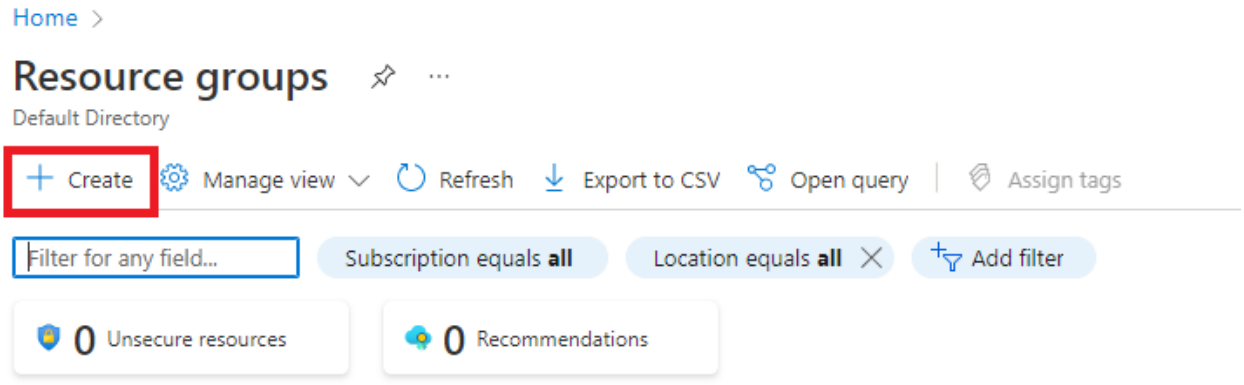
Login to you azure account via https://portal.azure.com/

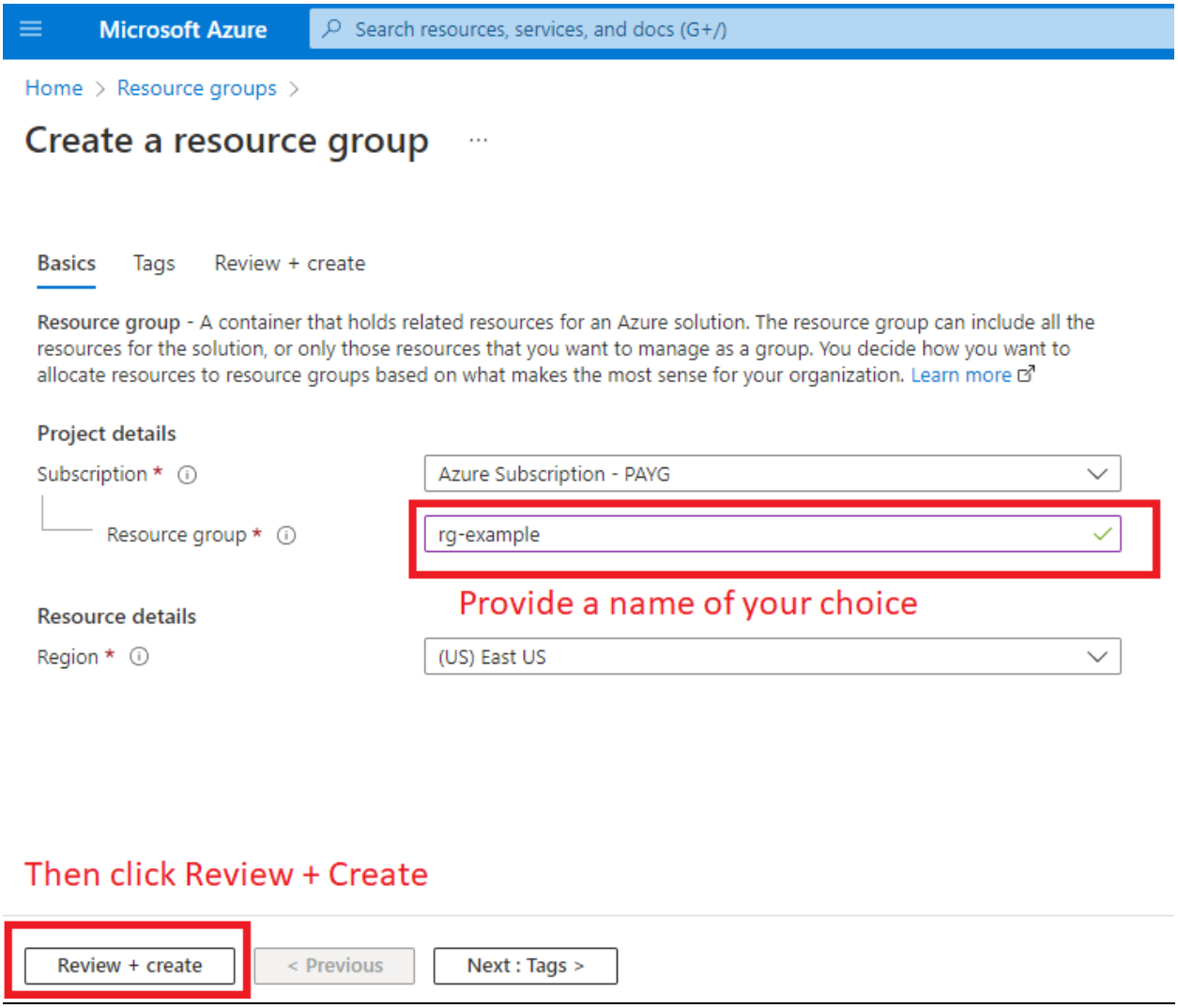
In case, you don't have an account yet, create one for free using https://azure.microsoft.com/en-in/free/

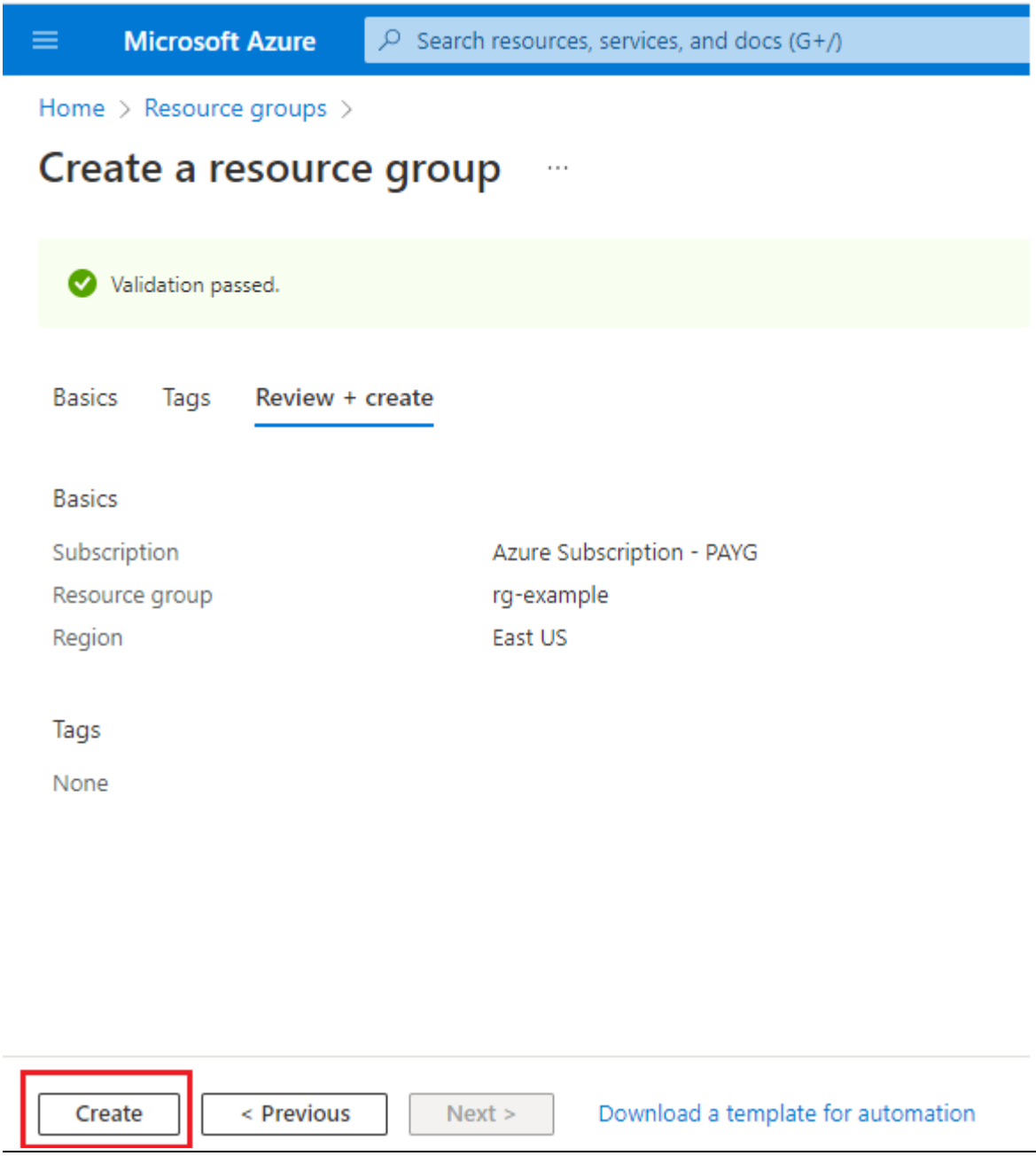
Step 2:

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





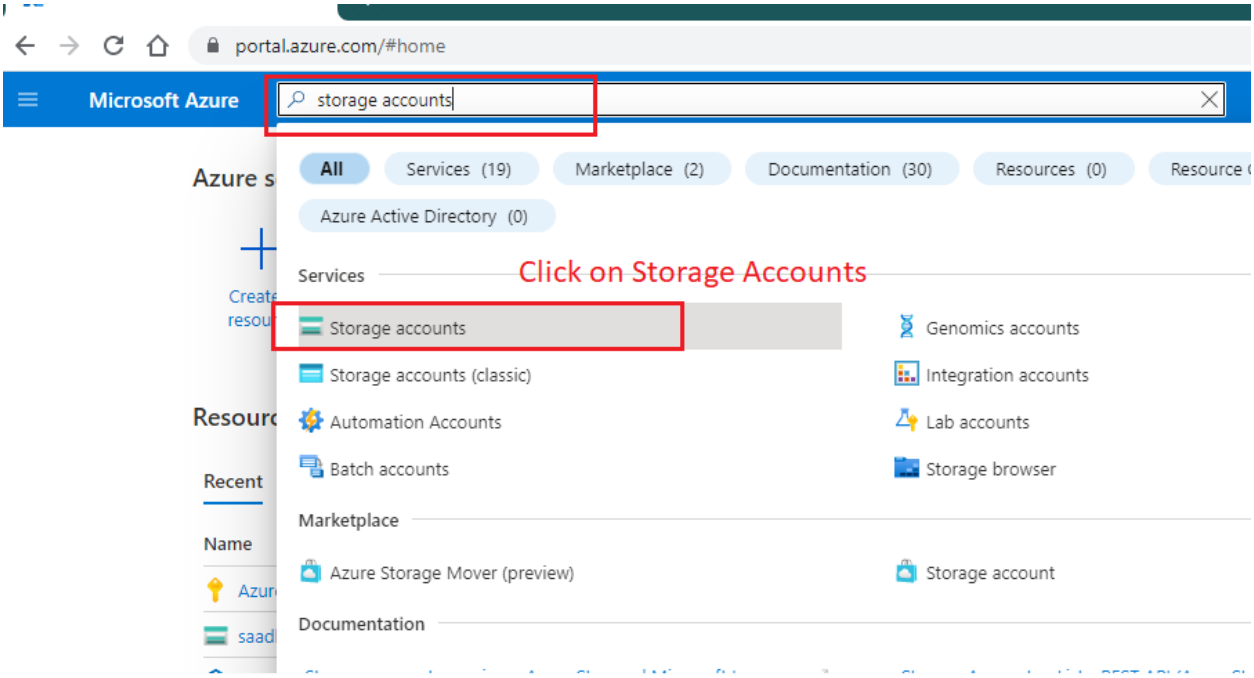

Microsoft Azure
Search resources, services, and docs (G+/)
Home > Resource groups >
Create a resource group
Basics
Tags
Review + create
Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources 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
Provide a name of your choice
Resource details
Region *
(US) East US
Then click Review + Create
Review + create
< Previous
Next : Tags >

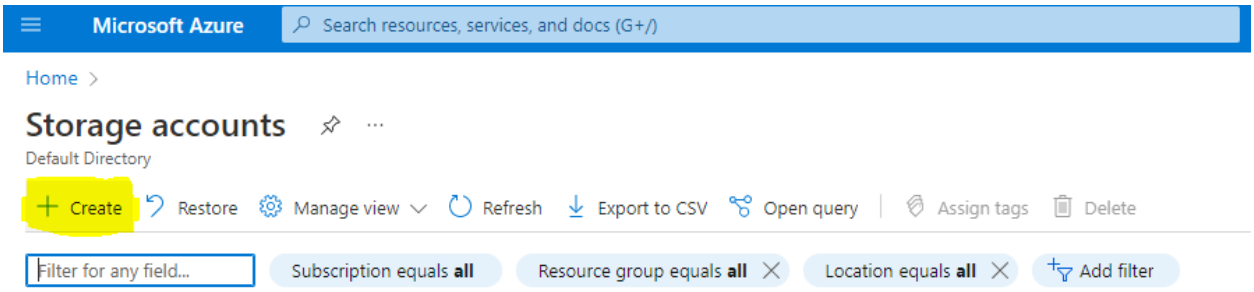


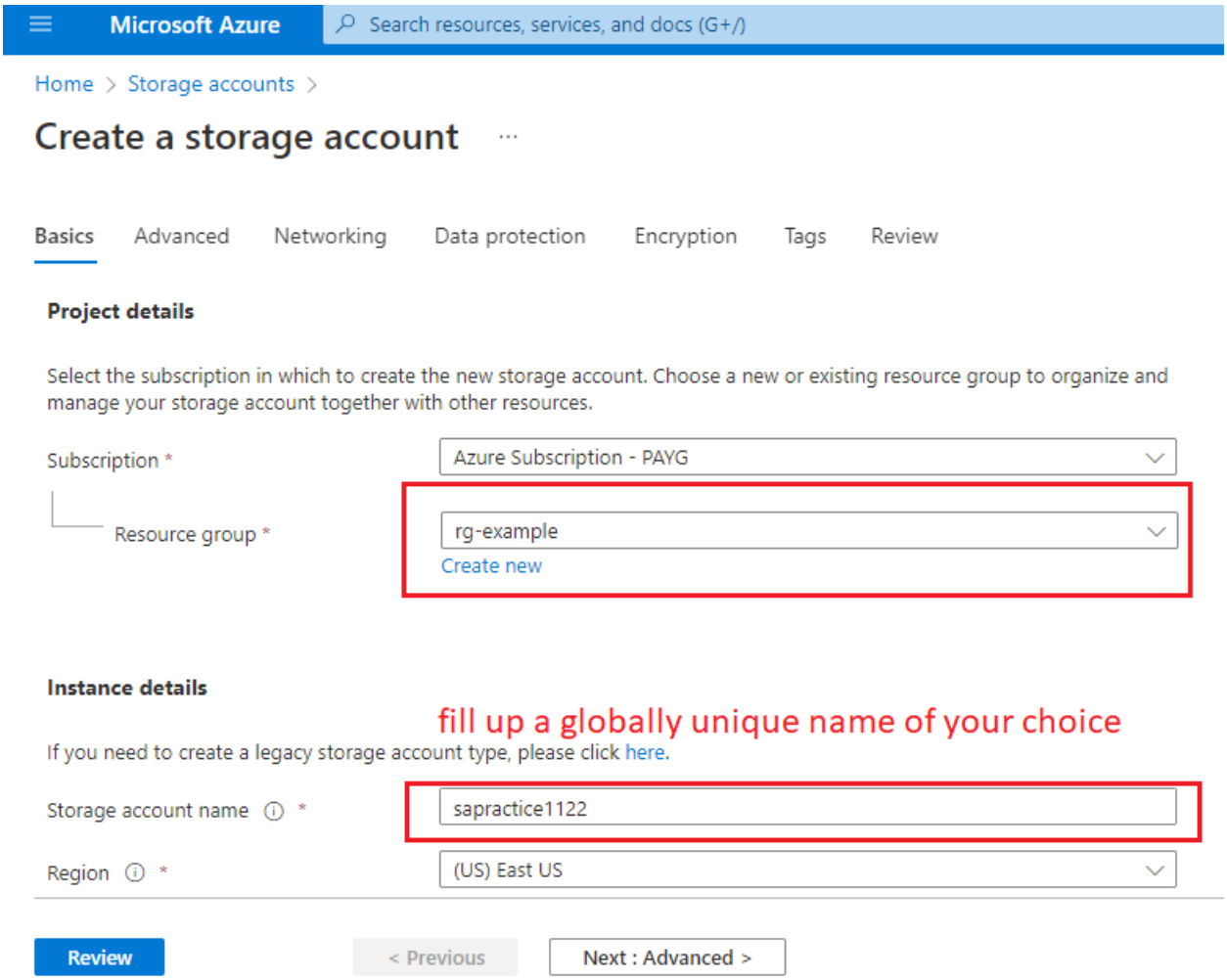
Now, the resource group creation has been completed. Move to step 3 to create Storage Account.

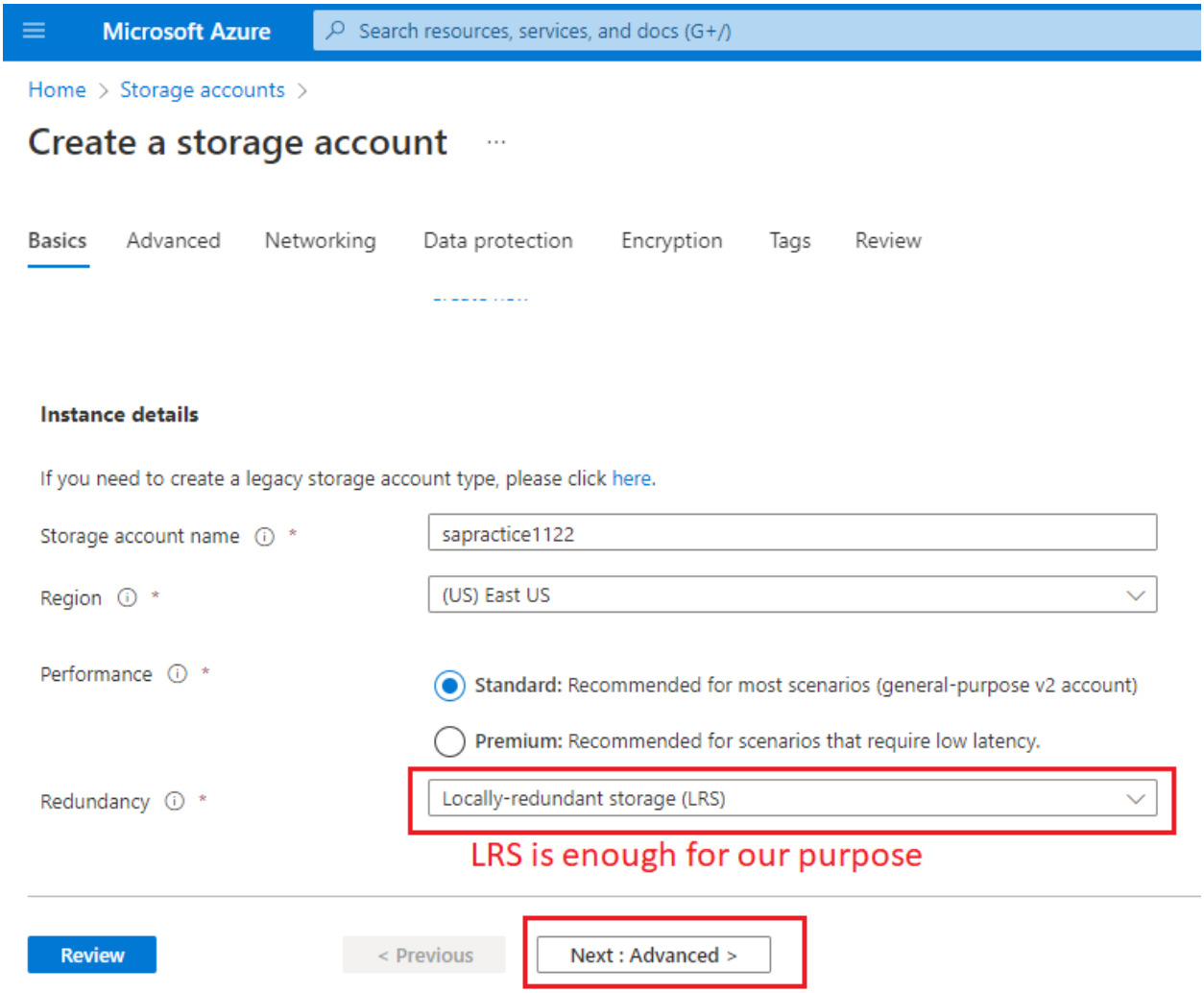
Step 3:

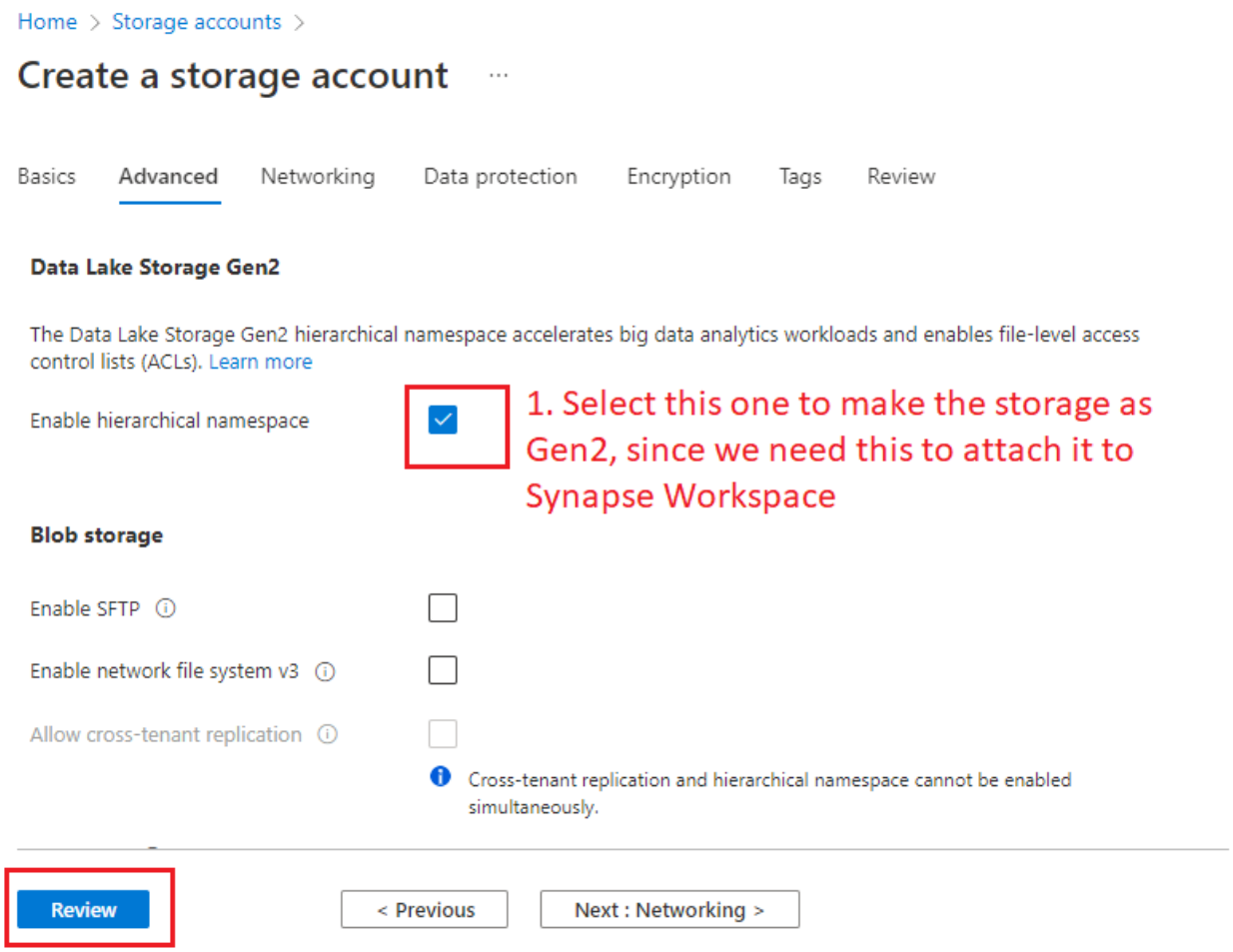
On the home page search “Storage Accounts”

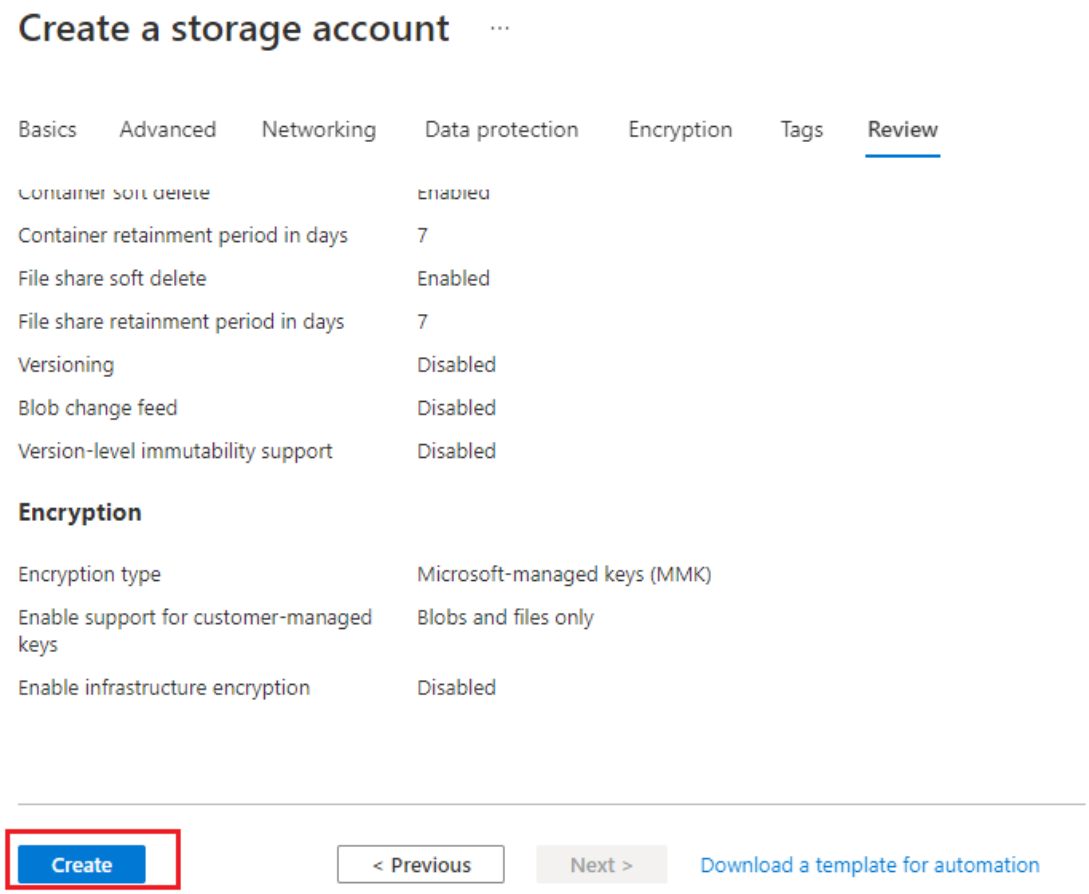





Microsoft Azure
Search resources, services, and docs (G+/)
Home > Storage accounts >
Create a storage account
Basics
Advanced
Networking
Data protection
Encryption
Tags
Review
Project details
Select the subscription in which to create the new storage account. Choose a new or existing resource group to 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
< Previous
Next : Advanced >


Microsoft Azure
Search resources, services, and docs (G+/)
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
sapractice1122
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 >

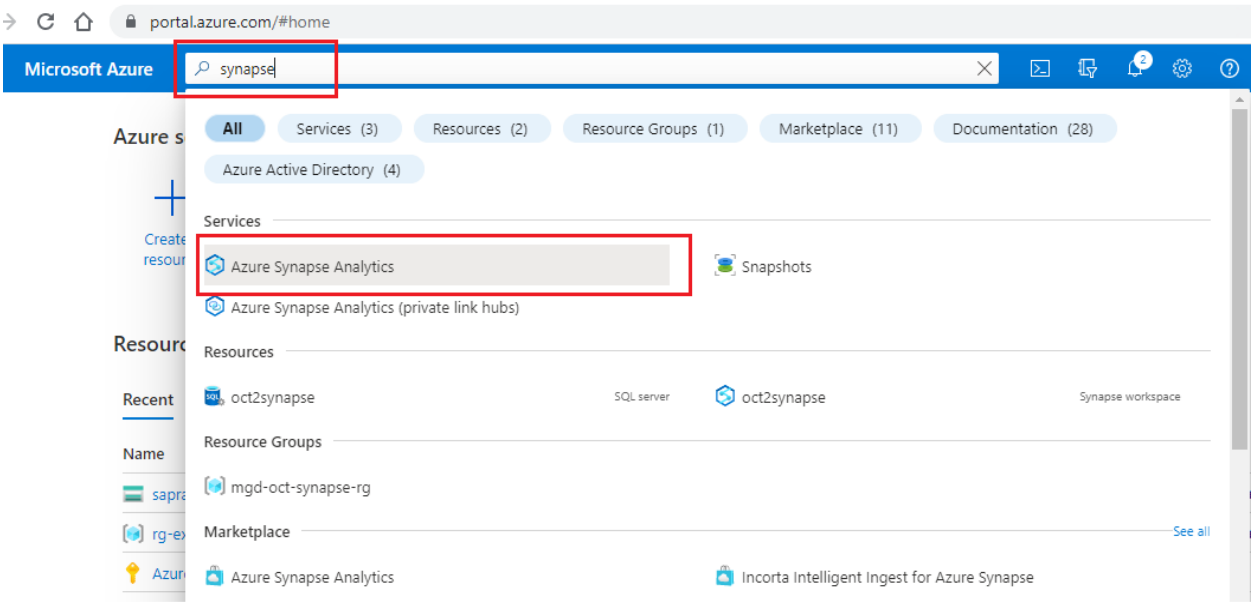

Home > Storage accounts >
Create a storage account
Basics
Advanced
Networking
Data protection
Encryption
Tags
Review
Data Lake Storage Gen2
The Data Lake Storage Gen2 hierarchical namespace accelerates big data analytics workloads and enables file-level access control lists (ACLs). Learn more
Enable 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

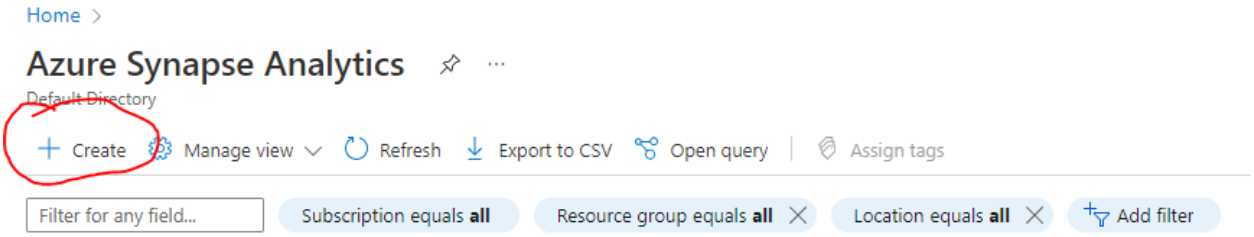


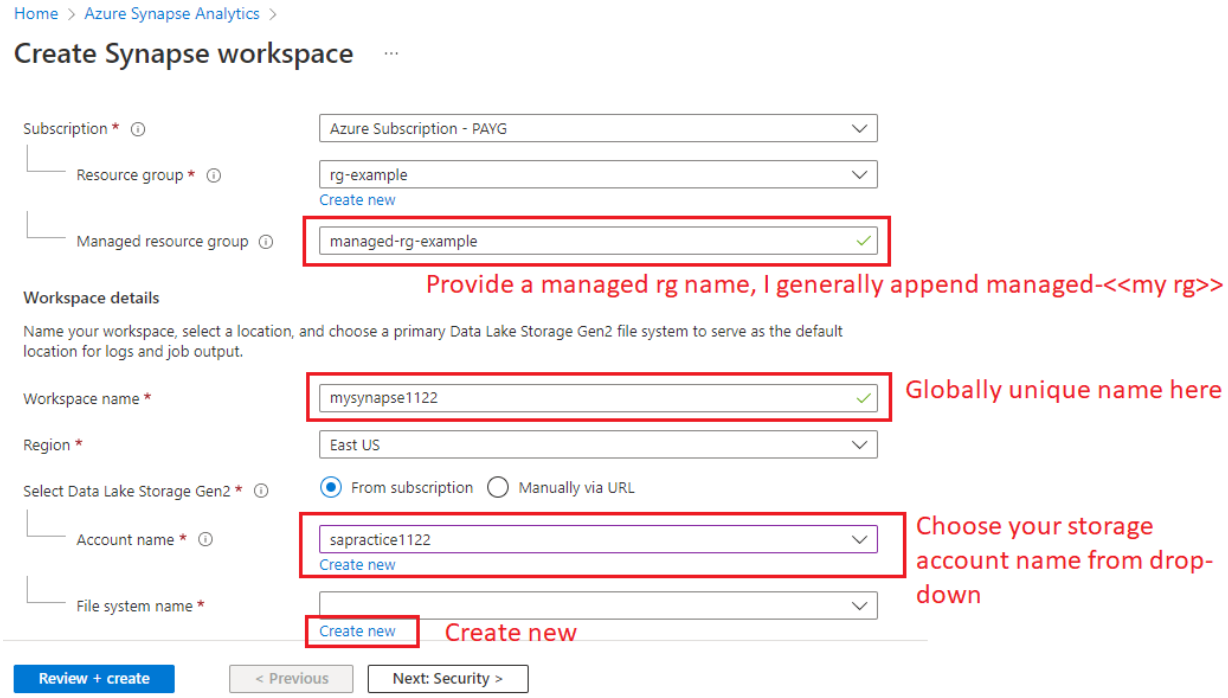
This may take up to 2 minutes or so, once completed, proceed to next step.

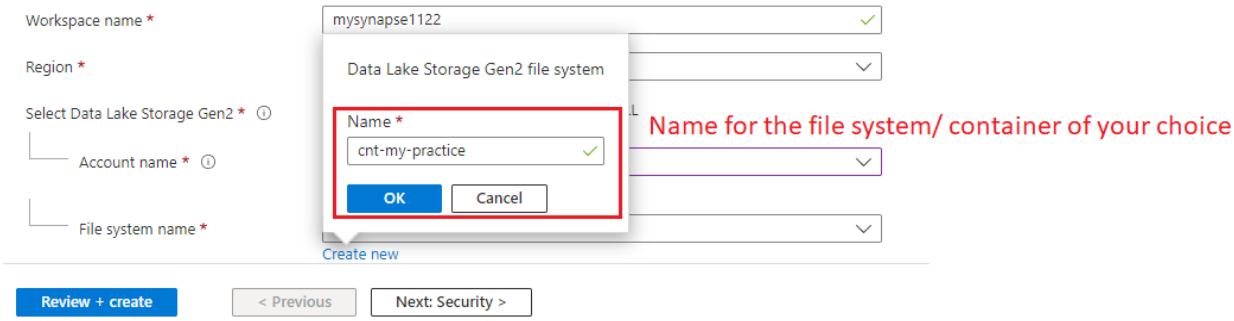
Step 4:

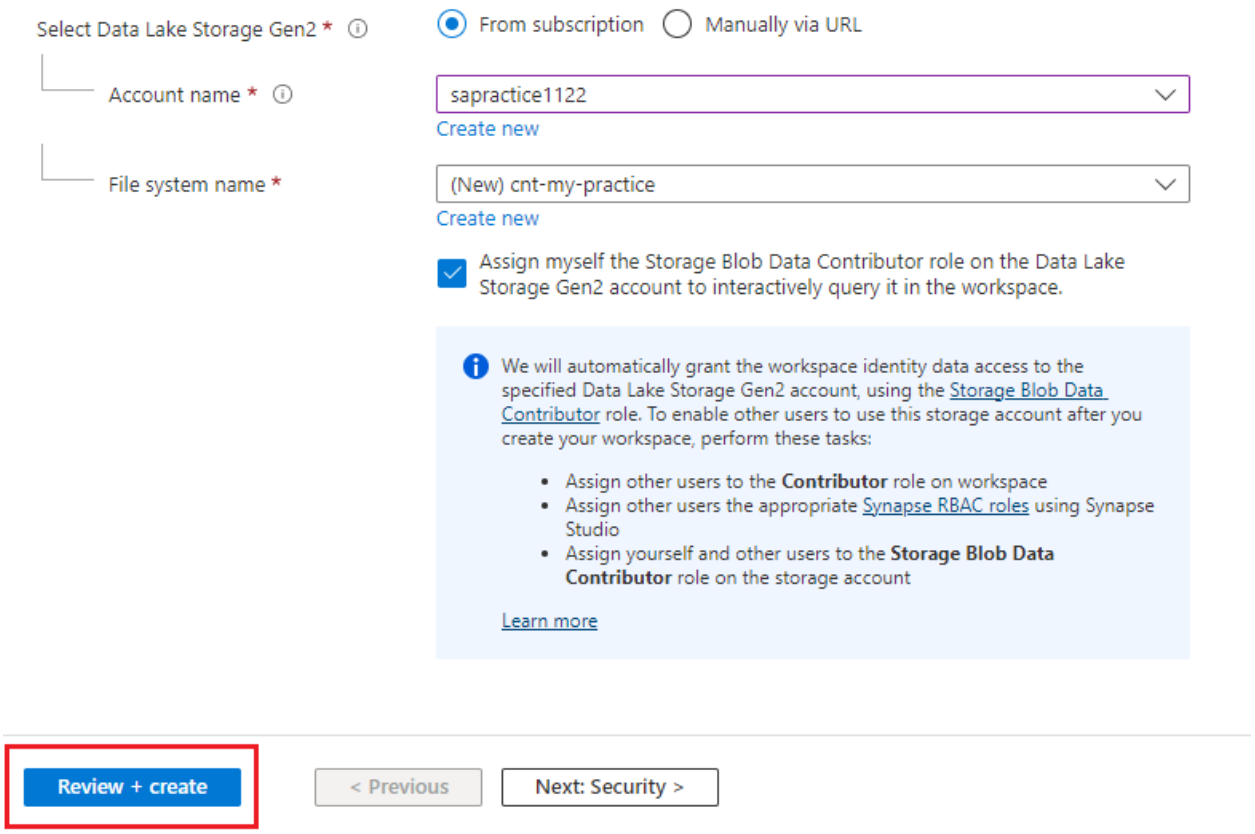
Let us now create Synapse workspace. On the home page, search Synapse and follow the screenshots below



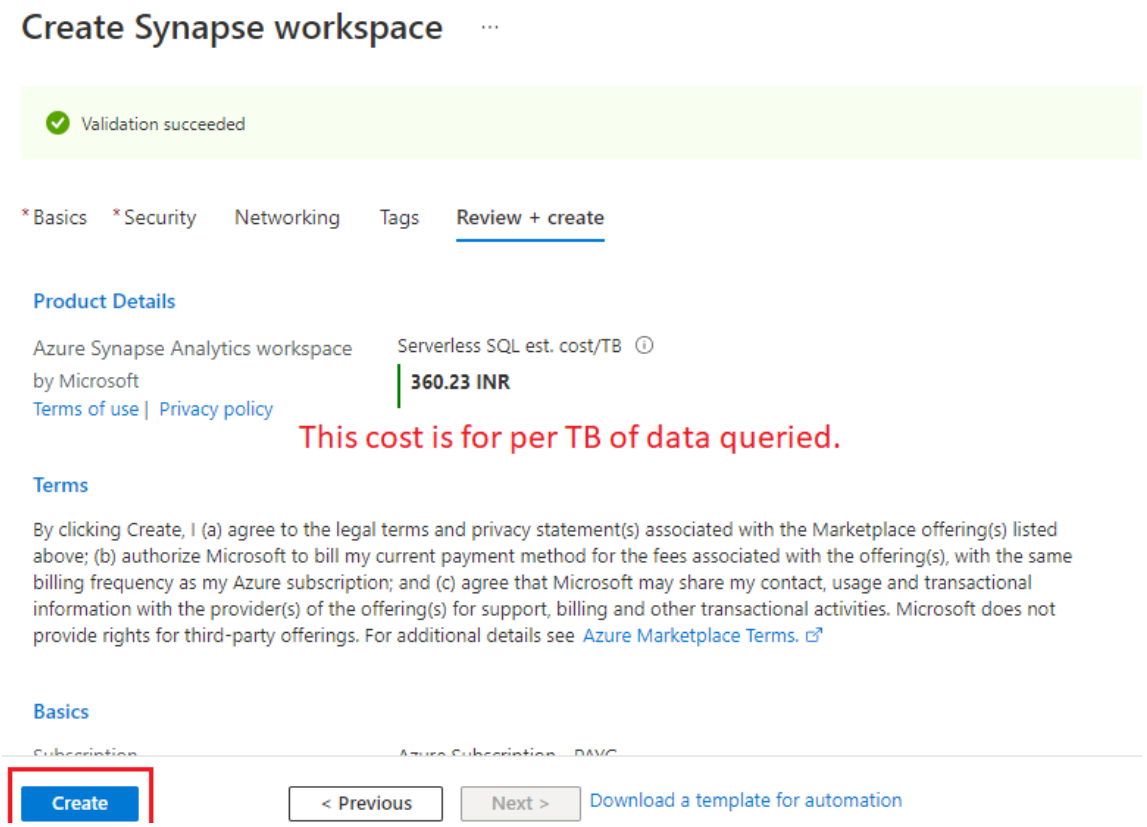

Home
Azure Synapse Analytics
Default Directory
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
Filter for any field...
Subscription equals all
Resource group equals all
Location equals all
Add filter


Home > Azure Synapse Analytics >
Create Synapse workspace
Subscription *
Azure Subscription - PAYG
Resource group *
rg-example
Create new
Managed resource group
managed-rg-example
Provide a managed rg name, I generally append managed-<<my rg>>
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
Globally unique name here
Region *
East US
Select Data Lake Storage Gen2 *
From subscription
Manually via URL
Account name *
sapractice1122
Create new
Choose your storage account name from drop-down
File system name *
Create new
Create new
Review + create
< Previous
Next: Security >


Workspace name *
mysynapse1122
Region *
Select Data Lake Storage Gen2 *
Account name *
File system name *
Data Lake Storage Gen2 file system
Name *
cnt-my-practice
OK
Cancel
Name for the file system/ container of your choice
Create new
Review + create
< Previous
Next: Security >


Select Data Lake Storage Gen2 *
From subscription
Manually via URL
Account name *
sapractice1122
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.
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 >



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.