Home / Azure / Guided Lab / Working with Blob Storage

Working with Blob Storage

Level: **Fundamental**

Azure Storage Account Azure

0h 18m 35s left

15 MIN

End Lab

Open Console

Validation

Lab Credentials

User Name

labuser_80425_84033750@instructorwhizlabs.onmicrosoft.com

Password

3fN&J*q5$8!Bjt2X0gO%

Resource Group

rg_eastus_80425_1_170568337031

Lab Resources

No Lab Resources Found

Support Documents

No Support Documents Found

Need help?

How to use Hands on Lab

Troubleshooting Lab

FAQs

Submit Feedback | Share

Lab Overview | Lab Steps | Lab Validation

Azure Administrator Associate

Storage, Containers

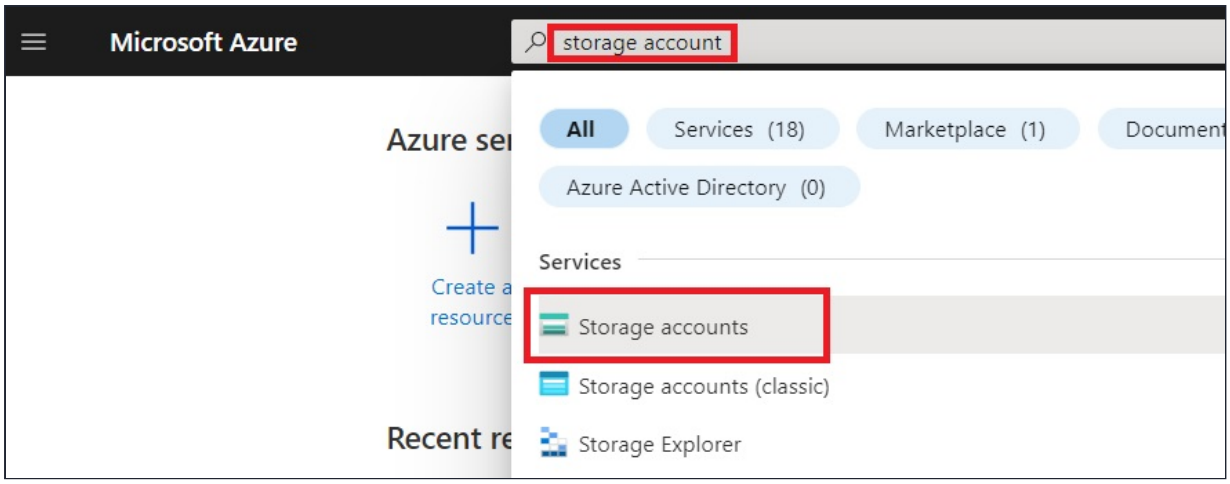
Lab Steps

Task 1: Sign in to Azure Portal

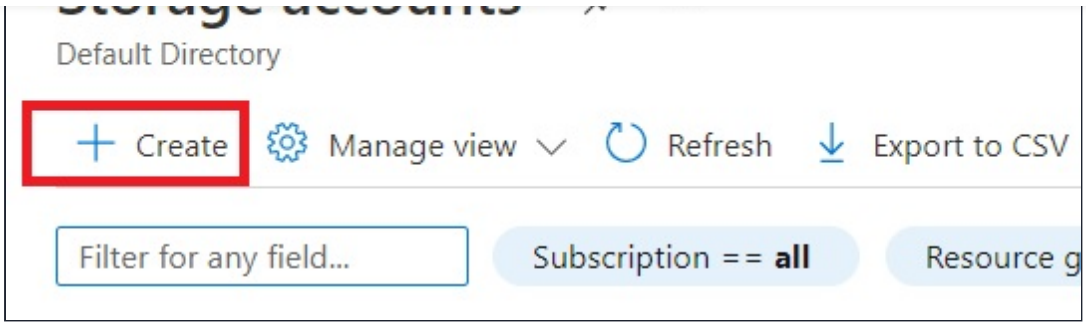
1. Go to the Azure portal by clicking on the **Open Console** button or by using URL https://portal.azure.com.
    - **Note**: It is recommended to use incognito mode to avoid Azure portal cache related issues.
2. If it automatically logs into any other azure account, please logout of it and clear cache.
3. Sign in with your given ***username*** and ***password*** on Azure portal.
4. If login is not working. Click on **End Lab** and start the lab again.

Task 2: Create a Storage Account

1. At the top of the Azure portal, in the search box, search **Storage account**. Select **Storage accounts** in the search results.

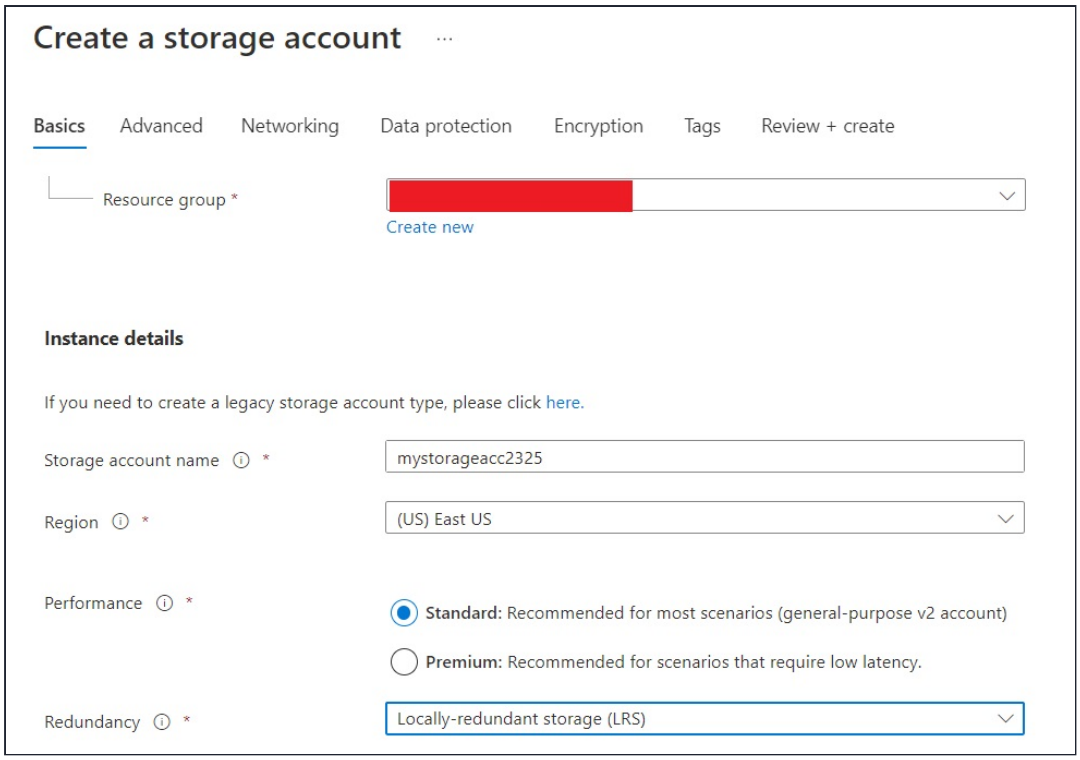


2. In **Storage accounts**, select **+ Create**.

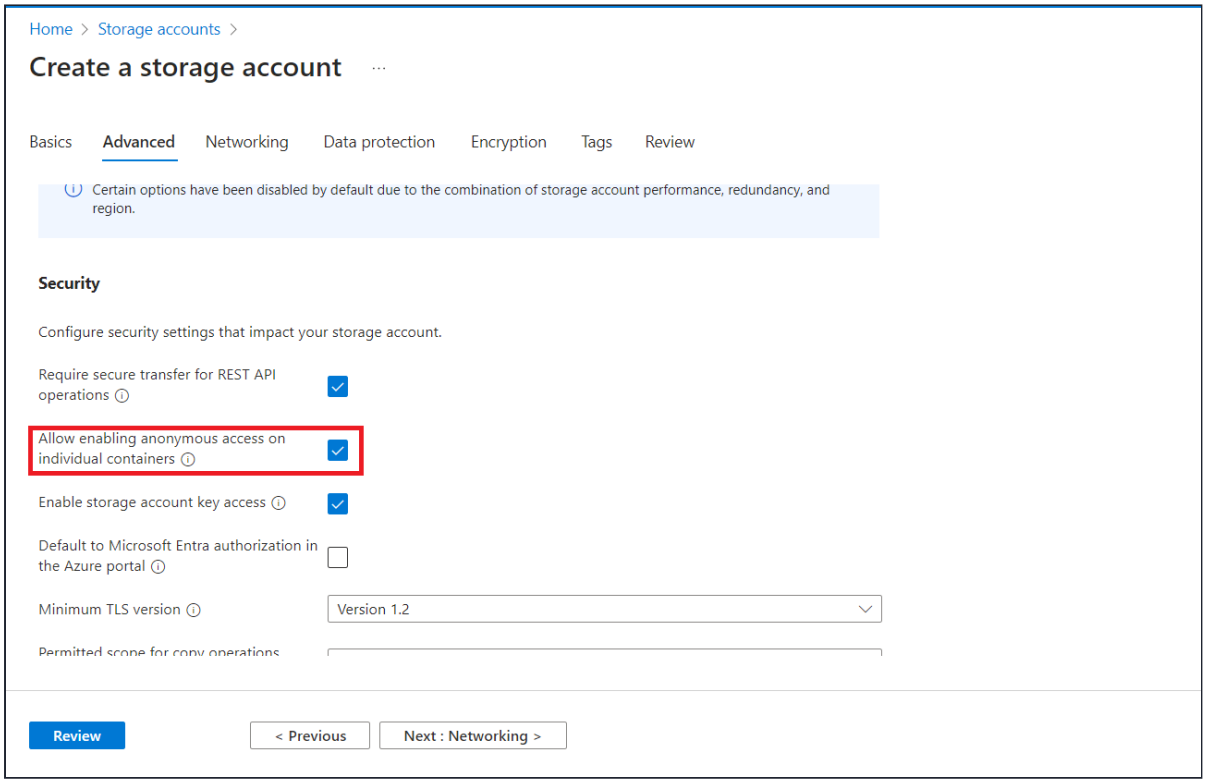


3. In **Create a storage account** page, enter or select the following information in the **Basics** tab:

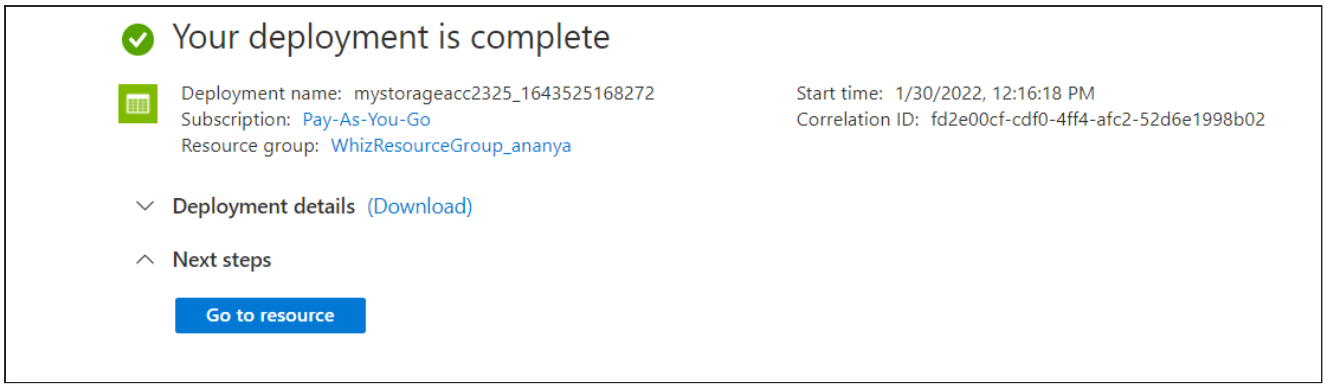
- Resource group : Select **rg_eastus_XXXXX**
- Instance details :
  - Storage account name : Enter ***mystorageacc[your name]***
  - Region : Select **(US) Central US**
  - Performance : Select **Standard**
  - Redundancy : Select **Locally-redundant storage (LRS)**



4. Now go to the **Advanced** tab, and enable **Allow enabling anonymous access on individual containers.** Enabling this will allow you to modify a container's anonymous access setting to enable anonymous access to the data in that container. You will also be able to make changes in the blobs.

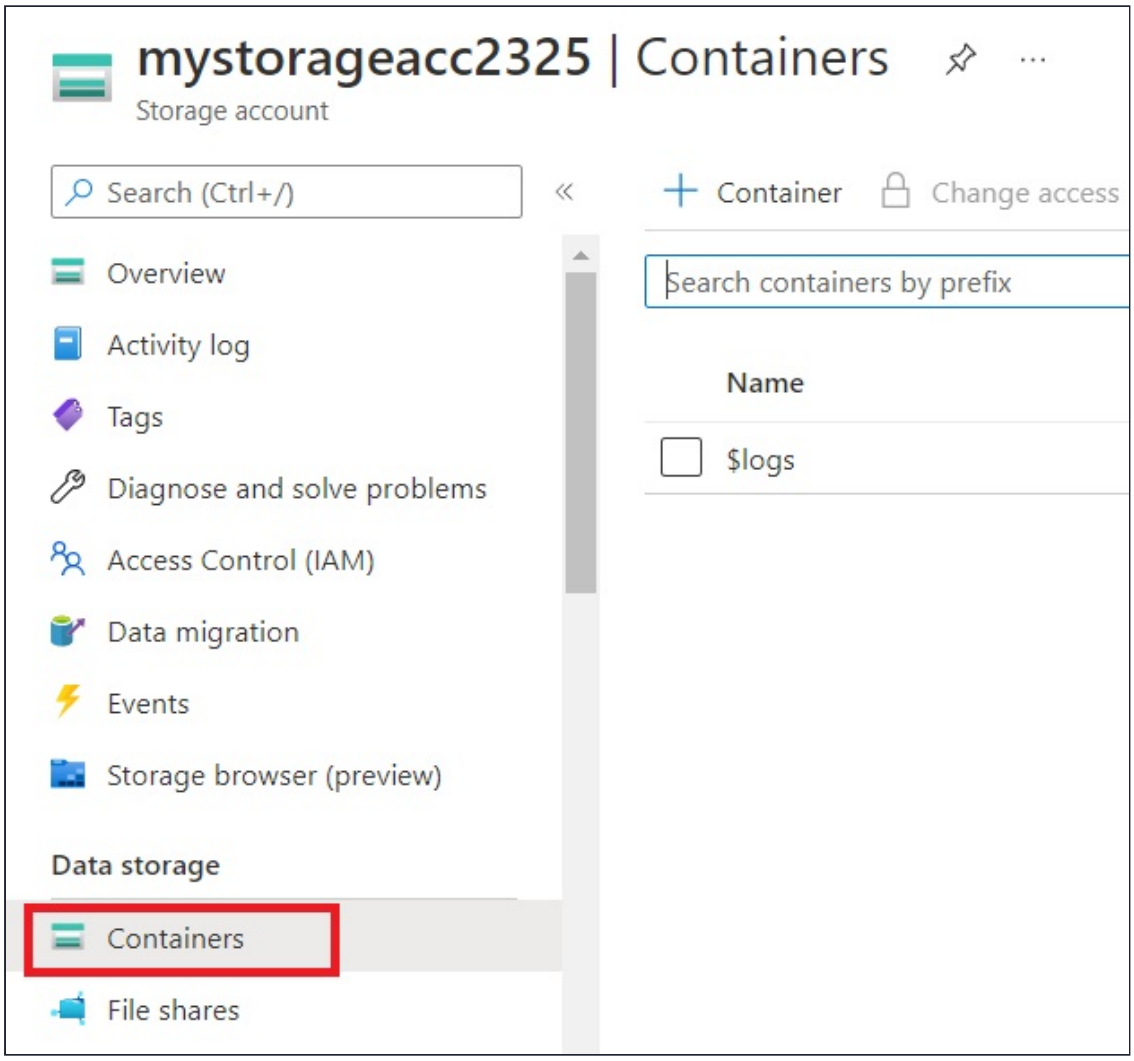


5. After this, leave all the settings as default and click on **Review + create**. Then, click on **Create**. Your deployment will be completed after a few minutes.

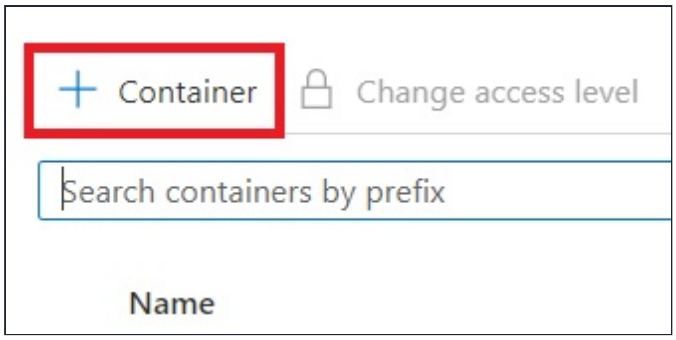


Task 3: Create a Container

1. In the Azure portal, go to the Storage account you created earlier. On the overview page of your storage account, in the **Data storage** section, select **Containers**.

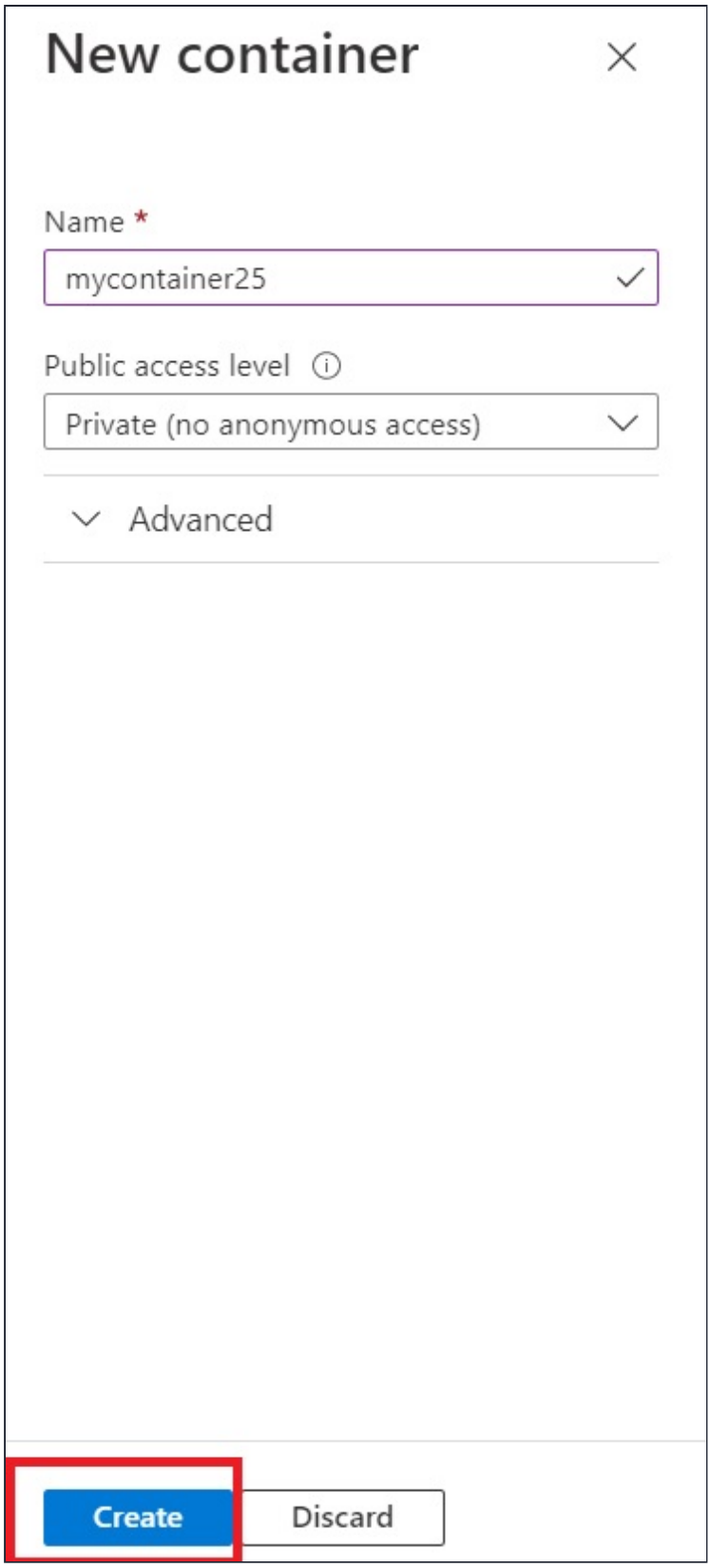


2. Click on **+ Container**.



3. Now, on the **New Container** page, enter or select the following information :

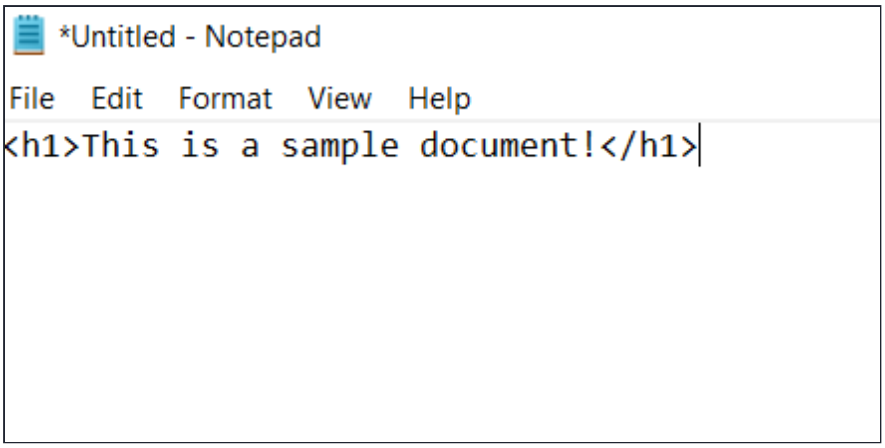
- Name : Enter ***mycontainer25***
- Public access level : Select **Private (no anonymous access)**
- Click on **Create**.



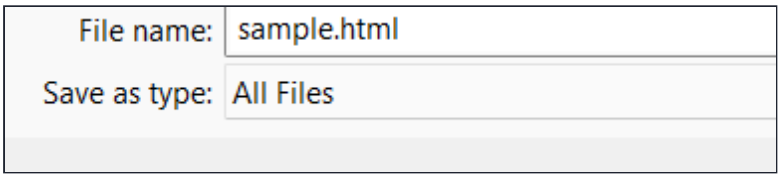
4. Your container will be created and displayed in the containers section.

Task 4: Upload a Blob object

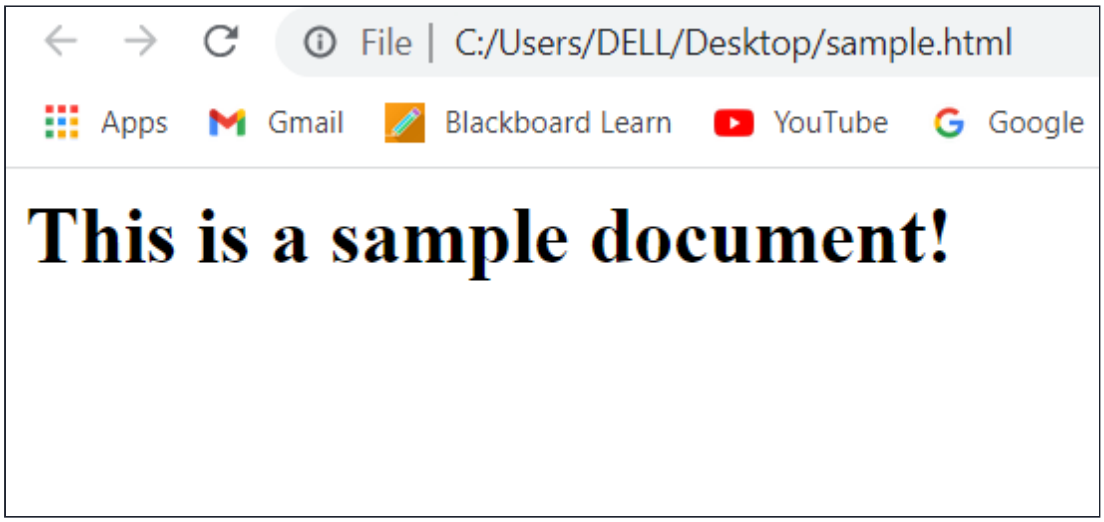
1. First, let us create a simple HTML file. Open **Notepad** on your local computer and enter ***<h1>This is a sample document!</h1>***.



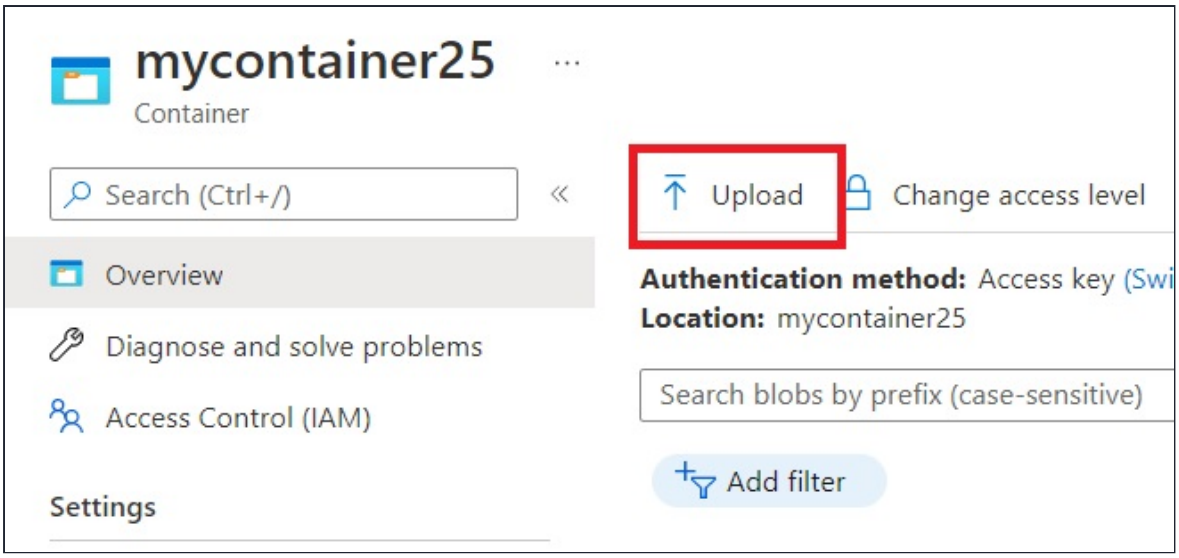
2. Then , click on **Save as** and enter ***sample.html*** and click on **Save**.



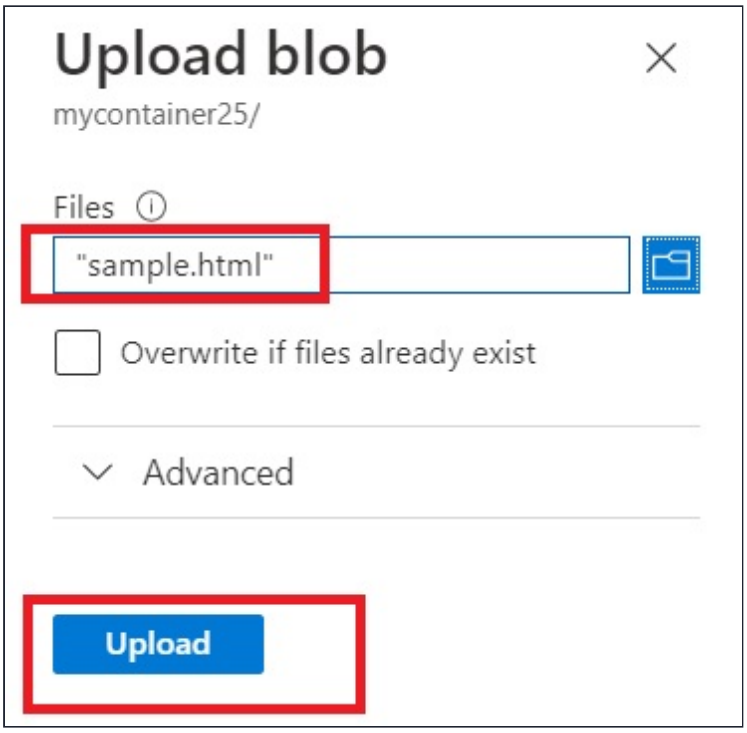
3. Now, if you try to open the sample.html file, you will see the page displaying the contents in it.



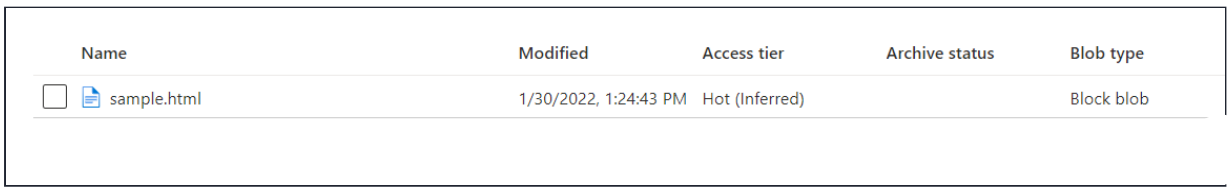
4. Now, go to the container you created. Here, in the overview page of your container, click on **Upload**.



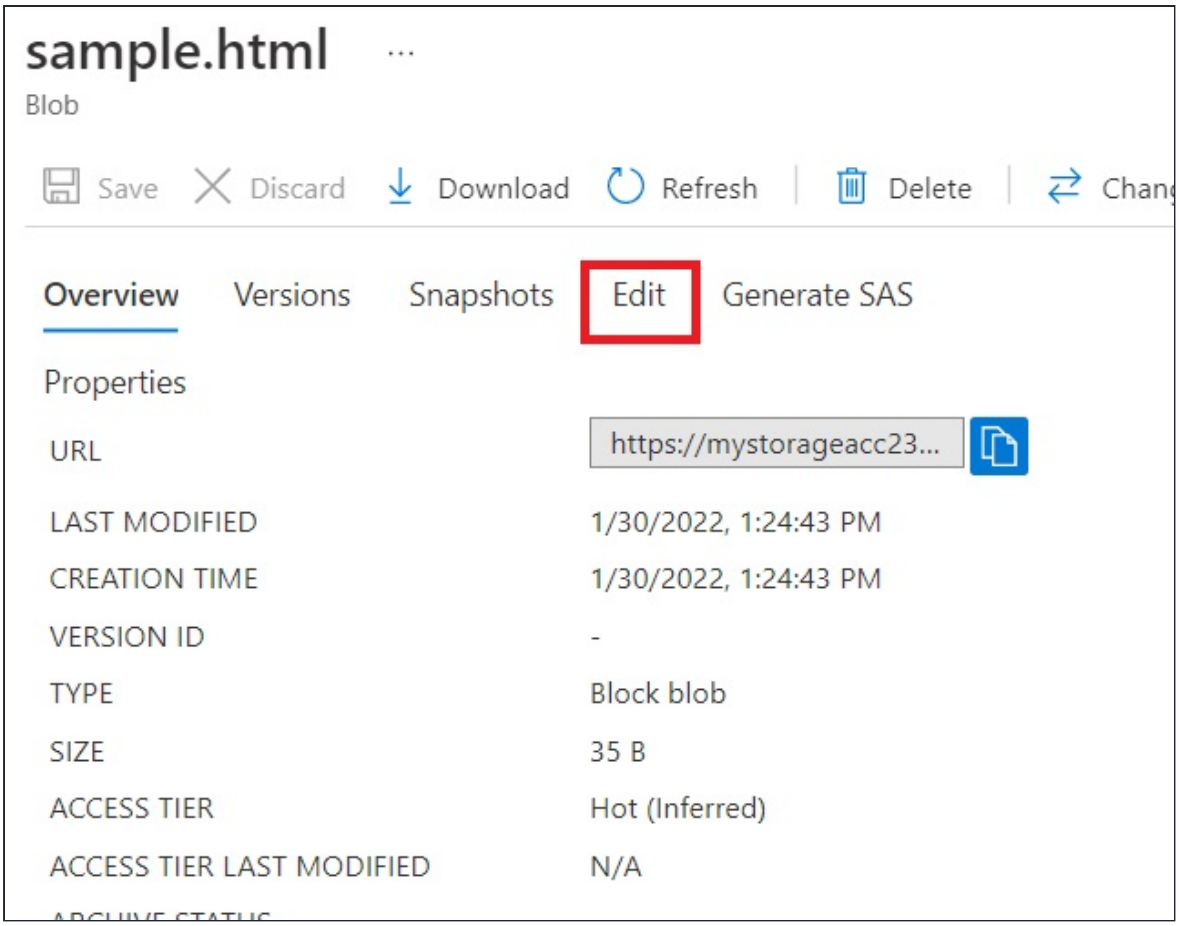
5. On the **Upload blob** page, browse the file you created previously named **sample.html** on your local computer and select the file. Then, click on **Upload**.



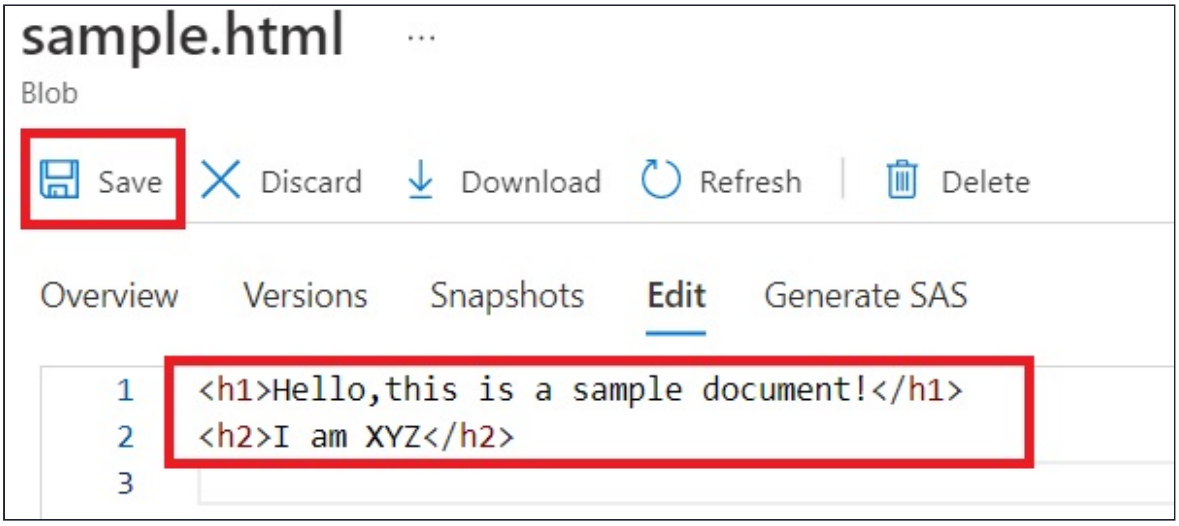
6. You can now see that you have your file in place.



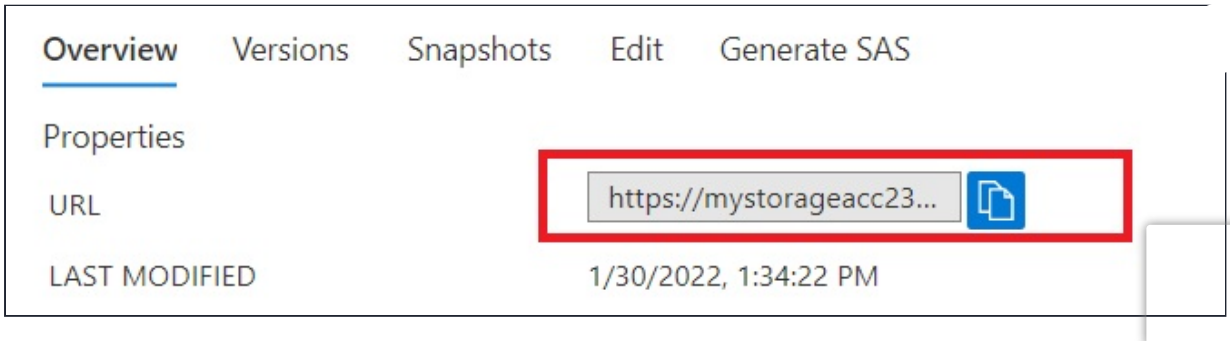
7. Now, click on the file which is uploaded to your container. You can see on the **overview** page, there are various properties shown. You can go ahead and click on the **Edit** section and also edit the file here itself.



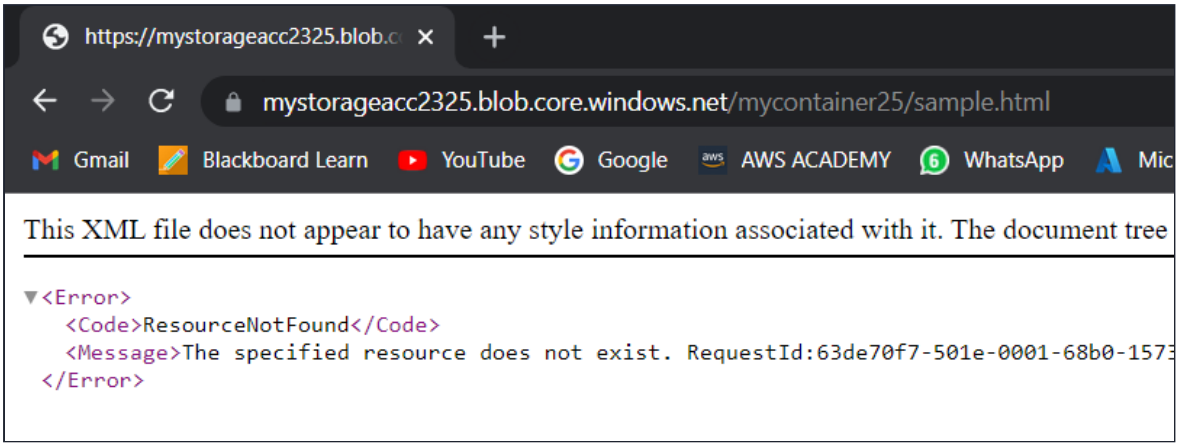
8. You can make some changes in your file if you want and then click on **Save**.



9. Now, go to the **overview** section and copy the **URL**. Then, paste it on your browser.



10. You can see that we are getting an error message of a resource not found. And the reason for this is, when you go to a new tab and try to access this blob, you are trying to access this blob as an anonymous user. And by default, anonymous access is not allowed for the blobs in your container.

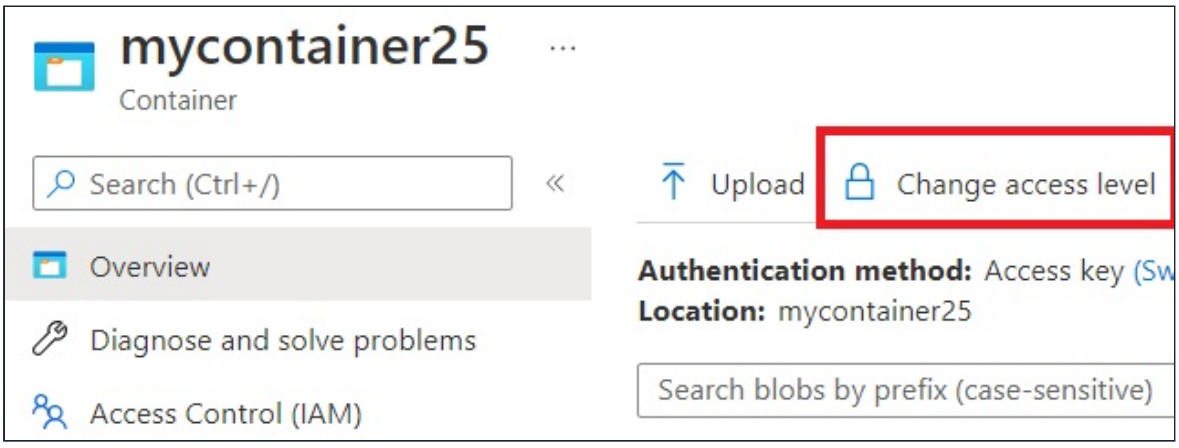


11. So, let's change the access level of our container.

Task 5: Change access level

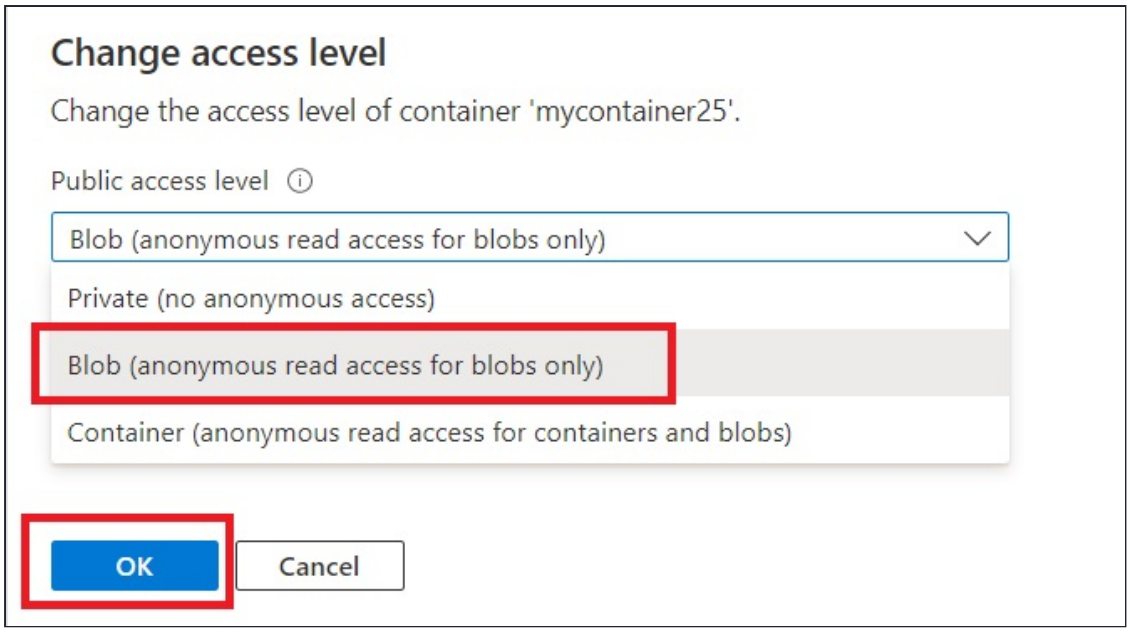
As we saw in the previous step, that we were not able to access the resource as an anonymous user. So in order to access the resource we need to change the access level to **Blob (anonymous read access for blobs only).**

1. Go to the **overview** section of your container, and click on **Change access level**.



2. Now, select the following information on the **Change access level** section:

- Public access level : Select **Blob (anonymous read access for blobs only)**
- Click on **OK**.



3. Now, go back to your browser, and refresh the page. You will now be able to see the contents of the file on the web page displayed.

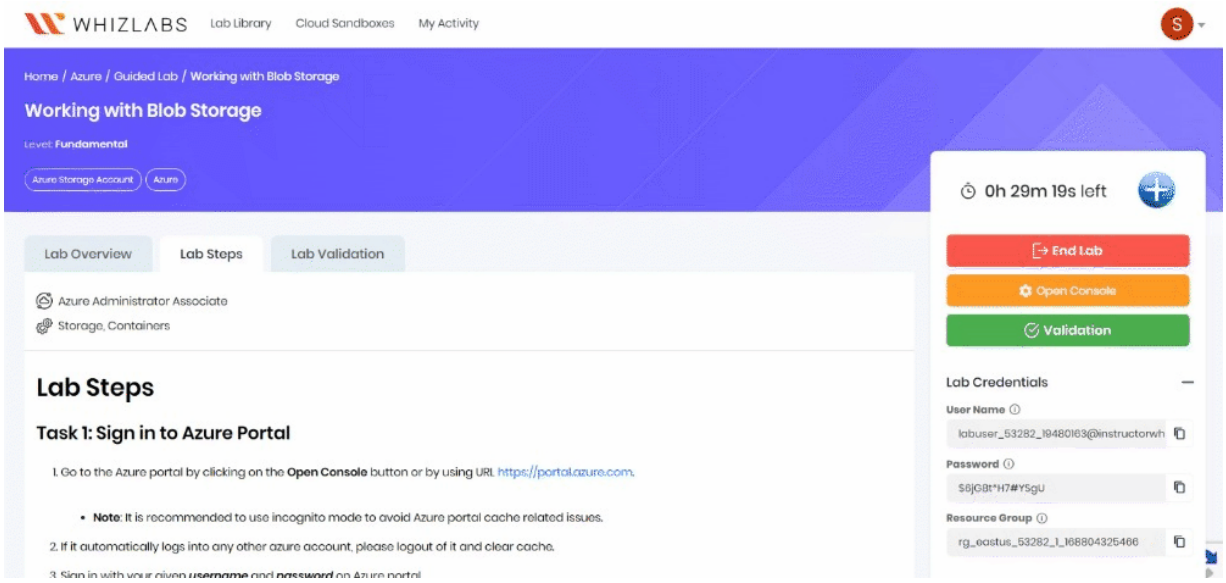
4. So, finally you accessed the blob within your container.

Do you know?

Azure Blob Storage offers a powerful feature called lifecycle management, allowing you to automatically transition and manage the lifecycle of your data by moving it between different storage tiers, archiving it, or even deleting it based on customizable rules, optimizing costs and storage efficiency.

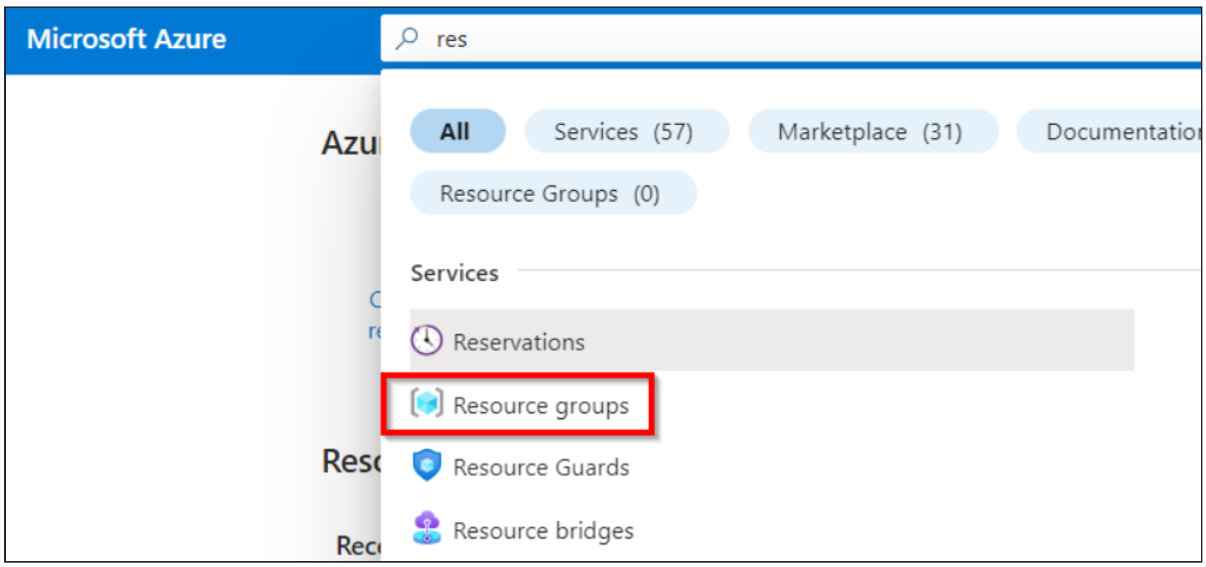
Task 6: Validation test

1. Once the lab steps are completed, click on **Validation** button or go to **Lab Validation** section.
2. Click on **Validate My Lab** button. You will get the **"Lab Overall Status"** which will indicate whether or not you have completed the lab successfully.
3. Sample output:

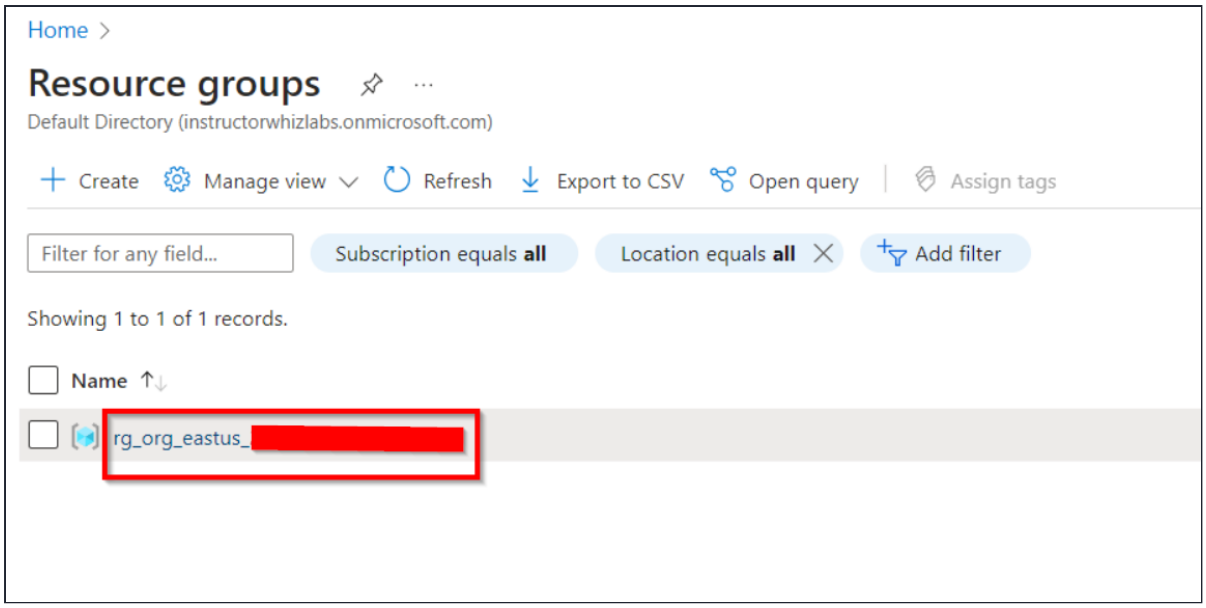


Task 7: Deleting the resources

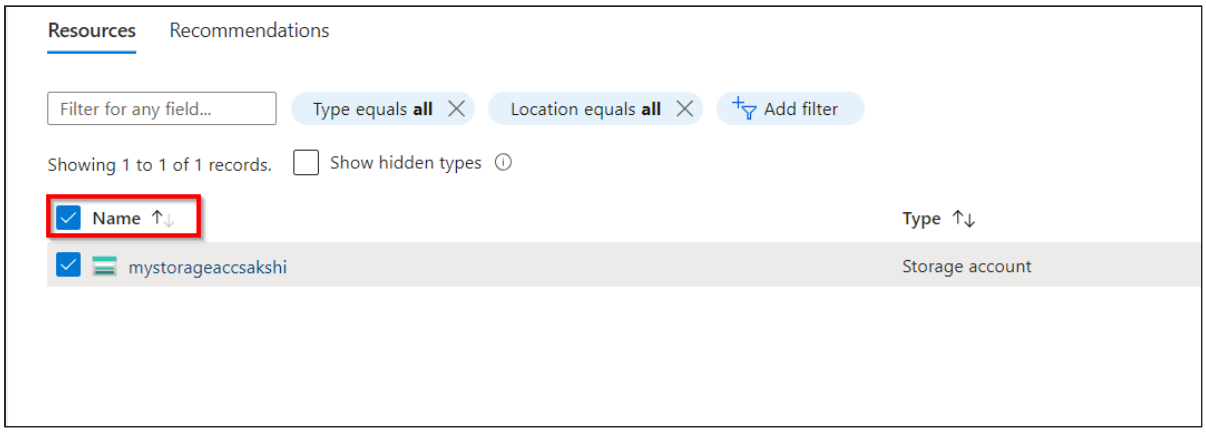
1. In the search box at the top of the Azure portal, enter **Resource Groups**. Select Resource groups from the results.



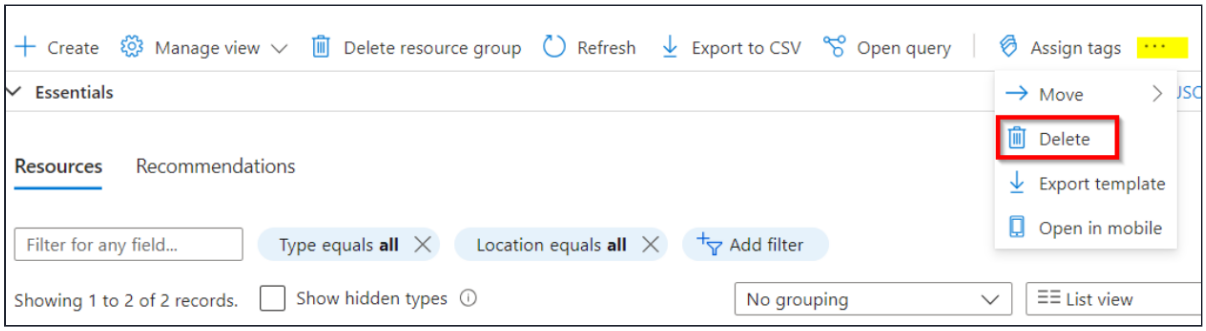
2. Click on the name of the resource group.



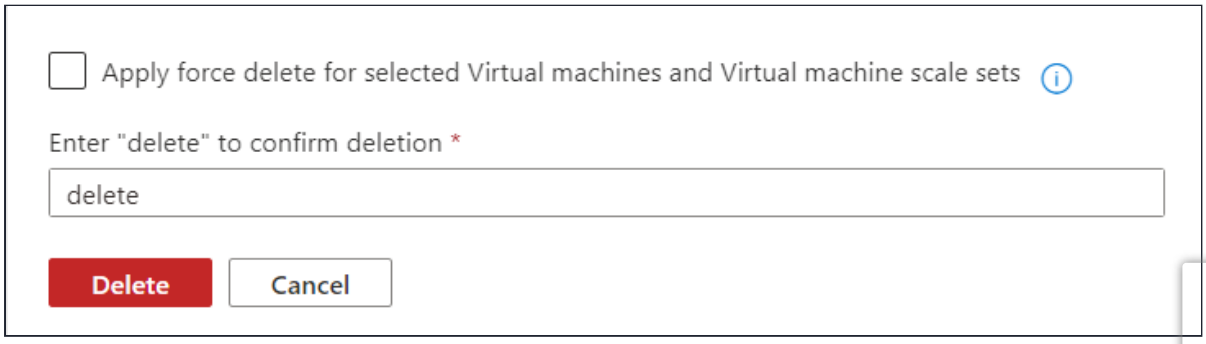
3. Select all the resources in that Resource group by clicking on the **Name checkbox**.



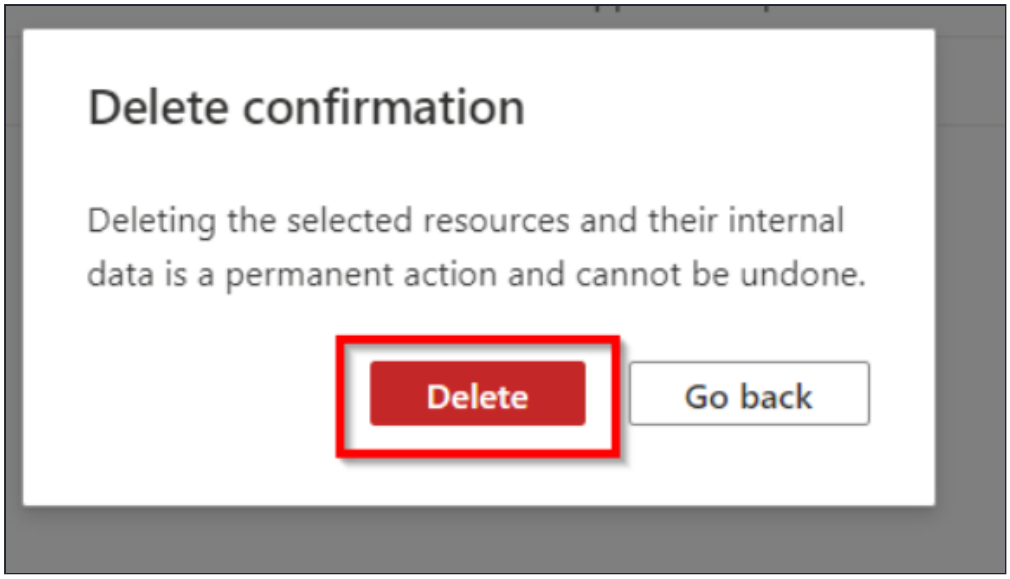
4. Go to the three dots on right and click **Delete**.



5. Now type Delete to confirm deletion.



6. Confirm Deletion.



Completion and Conclusions

1. You have successfully signed into Azure Portal.
2. You have successfully created a Storage Account.
3. You have successfully created a Container.
4. You have successfully uploaded a Blob object.
5. You have successfully changed the access level.
6. You have successfully tested the validation.
7. You have successfully deleted the resources.

End Lab

1. You have successfully completed this lab.
2. Click on **Sign out** in Azure Portal by clicking on the logout button in the top right corner inside Azure Profile.
3. Click on the **End Lab** once you have completed the Lab.