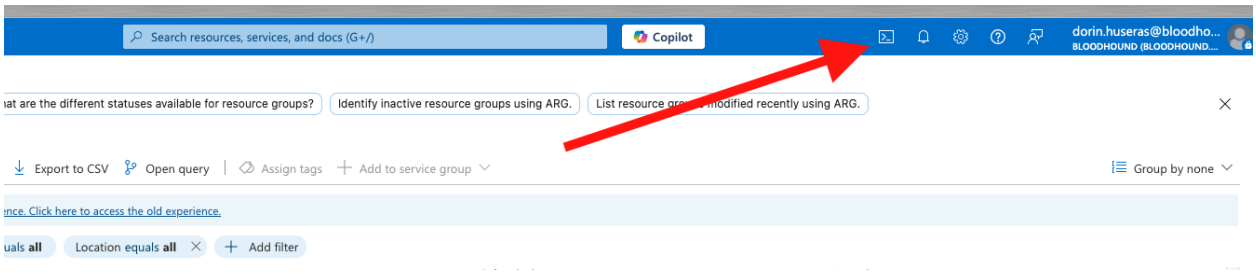
Create a resource group

1. **Sign in to Azure Portal**
    a. Navigate to https://portal.azure.com/
    b. Log in with your Azure account.
    c. Click on the cloud shell button



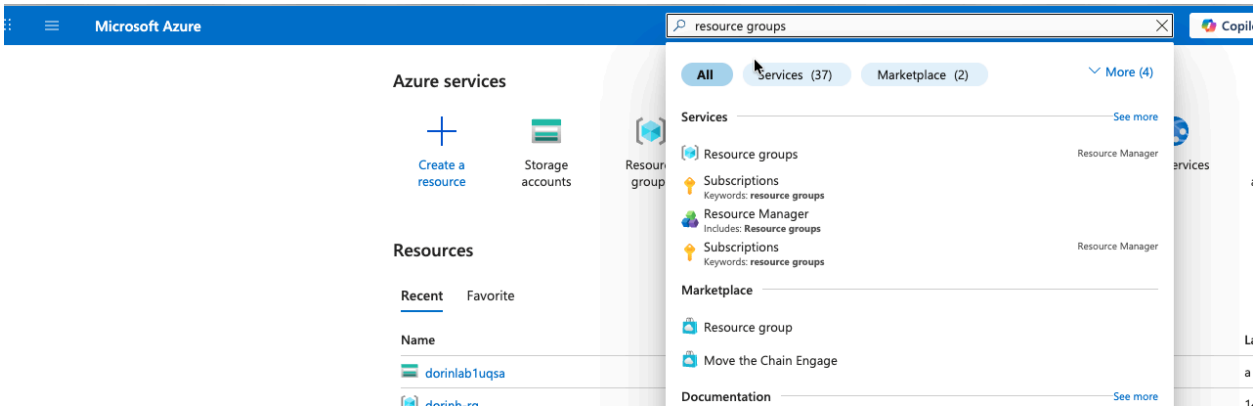
    d. Run the command:

```
az group create --name [yourname]-rg --location westeurope
```

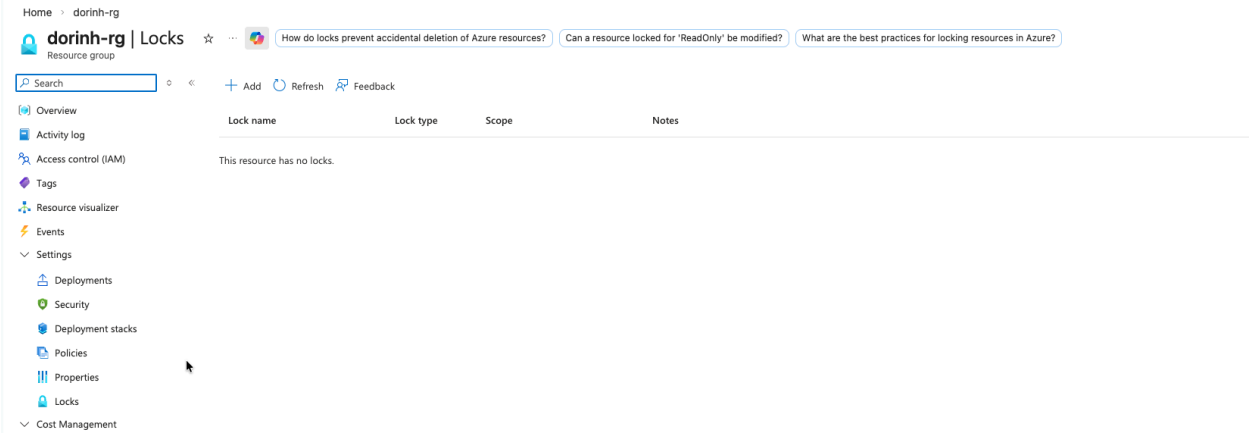
Steps to Create a Resource Lock for a Resource Group

Azure resource locks help prevent accidental deletion or modification of resources. Here are the steps to create a resource lock for a resource group in the Azure Portal:

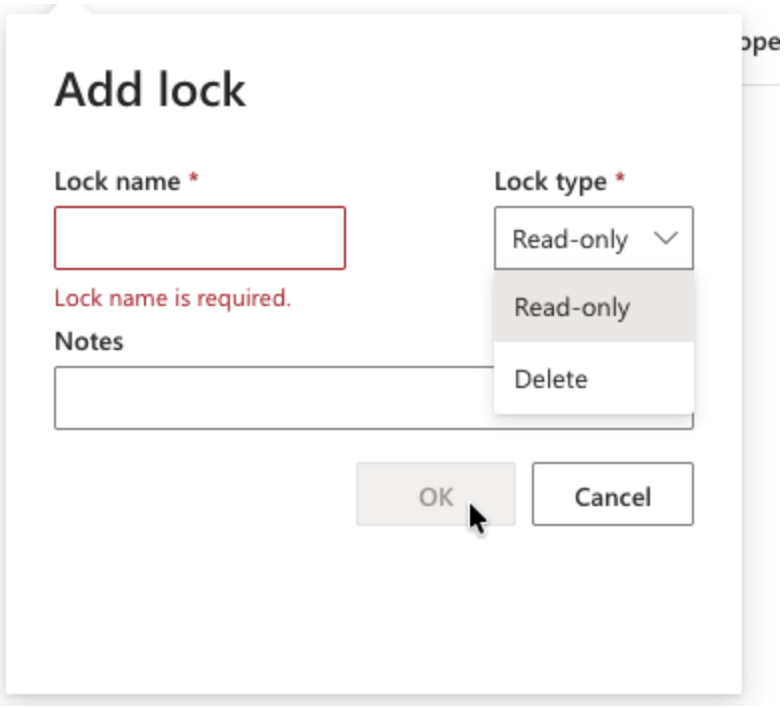
2. **Sign in to Azure Portal**
    a. Navigate to https://portal.azure.com/
    b. Log in with your Azure account.
3. **Select Resource Groups**
    a. In the search bar at the top, type and select “Resource groups”.



4. **Choose your Resource Group [yourname]-rg**
    a. From the list of resource groups, click on **[yourname]-rg**
5. **Navigate to Locks**
    a. In the resource group blade, under the "Settings" section, click on “Locks”.



6. **Add a Lock**
    a. Click on the "+ Add" button at the top of the "Locks" blade.
7. **Configure the Lock**
    a. Lock name: Provide a unique name for your lock.
    b. Lock level: Choose between:
        i. **CanNotDelete**: This allows users to read and modify the resources but prevents them from deleting the resource group or any resources contained within.
        ii. **ReadOnly**: This prevents users from modifying or deleting the resource group or any resources within.
        iii. Notes (Optional): Provide a description or rationale for the lock. This is especially useful for teams to understand the intent or importance of the lock.
        iv. Select **ReadOnly** lock**.**



8. **Save the Lock**
    a. Click on the “OK” or “Create” button to create the lock.
9. **Verification**
    a. After you create the lock, you should see it listed in the “Locks” blade for that resource group. This confirms that the lock has been applied to the resource group.

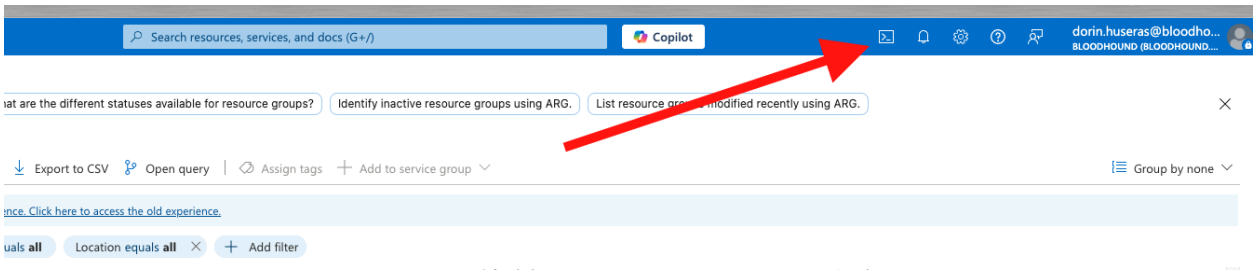
Note:

- Remember that while resource locks can prevent unintentional modification or deletion, they can also lead to **confusion** or **disruption** if team members aren't aware of them. Always communicate and document the purpose of resource locks.
- Users need appropriate permissions to **create** or **delete** resource locks. The two key permissions related to managing locks are **Microsoft.Authorization/locks/write** (to create or delete locks) and **Microsoft.Authorization/locks/read** (to view locks).

Test the Resource lock

Create a resource

1. Sign in to Azure Portal
2. Navigate to https://portal.azure.com/
3. Log in with your Azure account.
4. Click on the cloud shell button

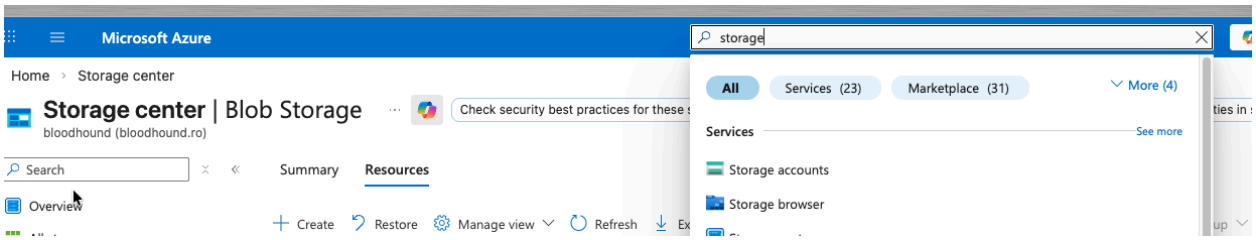


5. Run the command:

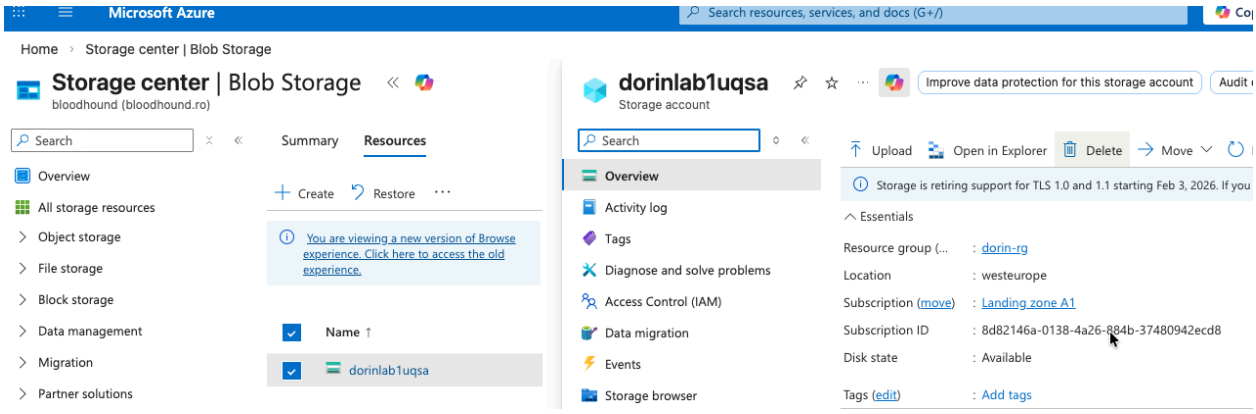
```
az storage account create --resource-group [yourname]-rg --name
[yourname]lab1uqsa  --location westeurope --sku Standard_LRS
```

Delete a resource with a lock

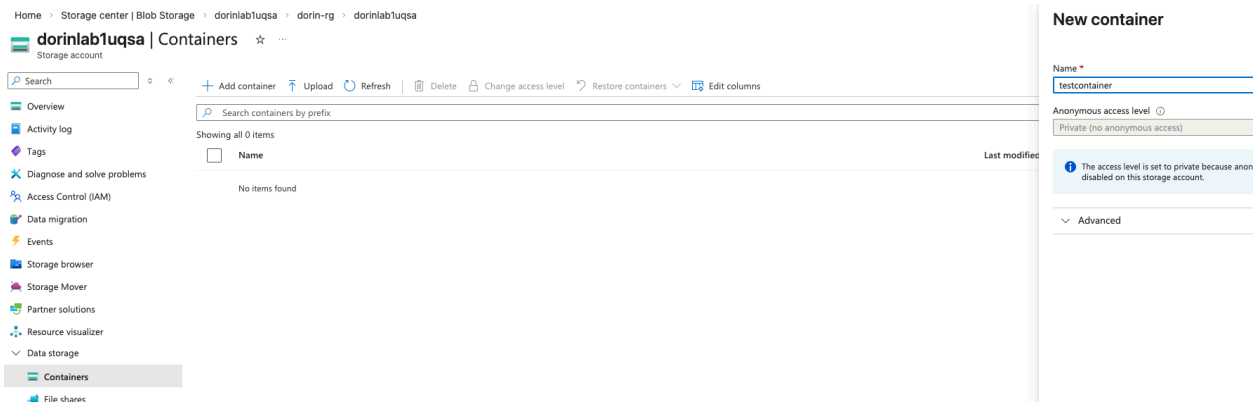
1. Navigate to https://portal.azure.com/
    a. In the search bar, search for storage accounts



2. Access the Storage account
    a. Try to delete it
    b. Observe the error message



3. Modify the storage account
    a. Create a new Container



4. Click on "Save".
5. Review the Outcome
6. Observe the error message (if any) after attempting to save.
7. Delete the lock