

Manage resource locks

Introduction:

In this lab, we will add a lock to the resource group and test deleting the resource group. Locks can be applied in a subscription to resource groups, or individual resources to prevent accidental deletion or modification of critical resources.

Task 1: Add a Lock to the resource group and test deletion

In this task, we will add a resource lock to the resource group and test deleting the resource group.

1- Sign into the Azure portal <https://portal.azure.com> at the following link using the username and password provided by the instructor.

2- In the Azure portal, navigate to the existing resource group (Create a new one if there is no RG present).

The screenshot shows the Microsoft Azure portal interface. On the left, the 'Resource groups' section is visible, showing a list of resource groups with a filter bar and a table containing one entry: 'myRGLocks-PUCYSWMLJ4'. On the right, the 'Create a resource group' page is displayed, featuring tabs for 'Basics', 'Tags', and 'Review + create'. The 'Basics' tab is active, showing a description of a resource group and a form to create one. The form includes fields for 'Subscription' (CloudShare4), 'Resource group' (empty), 'Region' (US East US), and a 'Review + create' button at the bottom.

3- You can apply a lock to a subscription, resource group, or individual resource to prevent accidental deletion or modification of critical resources.

4- In the Settings section, click Locks, and then click + Add.

5- Configure the new lock. When you are done click OK.

| Setting | Value |
|-----------|------------|
| Lock name | ""RGLock"" |
| Lock Type | Delete |

Home > Resource groups > myRGLocks-PUCYSWMLJ4

myRGLocks-PUCYSWMLJ4 | Locks ...

Resource group

Search (Ctrl+/) << + Add Subscription Refresh

Settings

- Deployments
- Security
- Policies
- Properties
- Locks**

Cost Management

- Cost analysis
- Cost alerts (preview)
- Budgets
- Advisor recommendations

Add lock

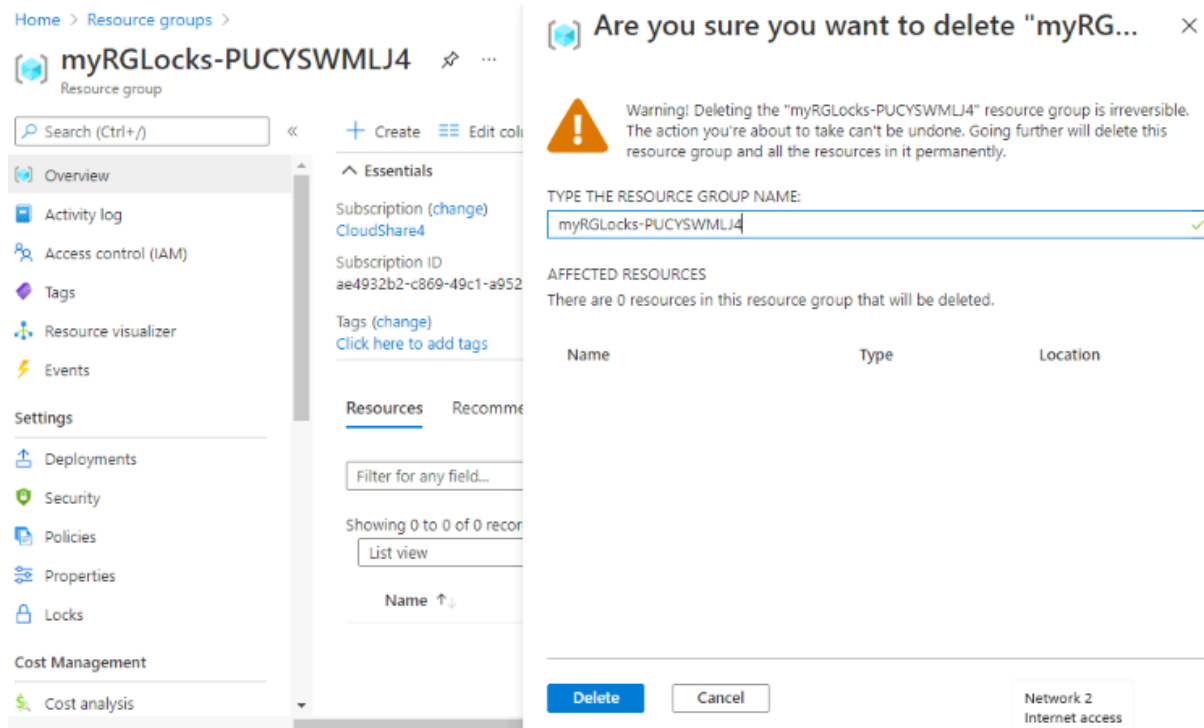
Lock name *

Lock type *

Notes

Notes

6- Click Overview and click Delete resource group. Type the name of the resource group and click OK. You receive an error message stating the resource group is locked and can't be deleted.



Task 2: Test deleting a member of the resource group

In this task, we will test if the resource lock protects a storage account in the resource group.

- 1- From the All services blade, search for and select Storage accounts.
- 2- On the Storage Accounts page click +Add +New +Create.
- 3- On the Basics tab enter the following information (replace xxxx in the name of the storage account with letters and digits such that the name is globally unique) and then click **Next: Advanced >**:

| Setting | Value |
|----------------------|---------------------------------|
| Subscription | Select your subscription |
| Resource group | myRGLocks-PUCYSWMLJ4 |
| Storage account name | storageaccountxxxx |
| Location | (US) East US |
| Performance | Standard |
| Redundancy | Locally redundant storage (LRS) |

- 4- On the Advanced blade select the following:

| Setting | Value |
|-----------------------|-------|
| Access tier (default) | Hot |

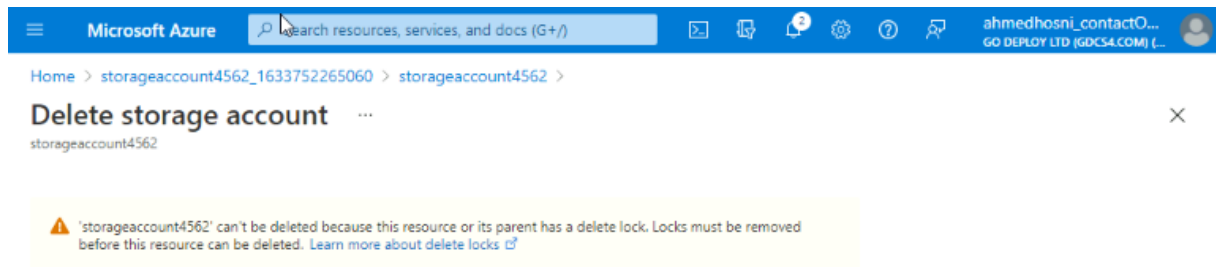
- 5- Click Review + Create to review your storage account settings and allow Azure to validate the configuration.

6- Once validated, click Create. Wait for the notification that the account was successfully created.

7- Wait for the notification that the storage account was successfully created.

8- Access your new storage account and from the Overview pane, click Delete. You receive an error message stating the resource or its parent has a delete lock.

Note: Although we did not create a lock specifically for the storage account, we did create a lock at the resource group level, which contains the storage account. As such, this parent level lock prevents us from deleting the resource and the storage account inherits the lock from the parent.



Task 3: Remove the resource lock

In this task, we will remove the resource lock and test.

- 1- Return to the on the resource group blade and, in the Settings section, click Locks.
- 2- Click Delete link to the far right of the resource group entry, to the right of Edit.
- 3- Return to the storage account blade and confirm you can now delete the resource.

Congratulations! You created a resource group, added a lock to resource group and tested deletion, tested deleting a resource in the resource group, and removed the resource lock.