

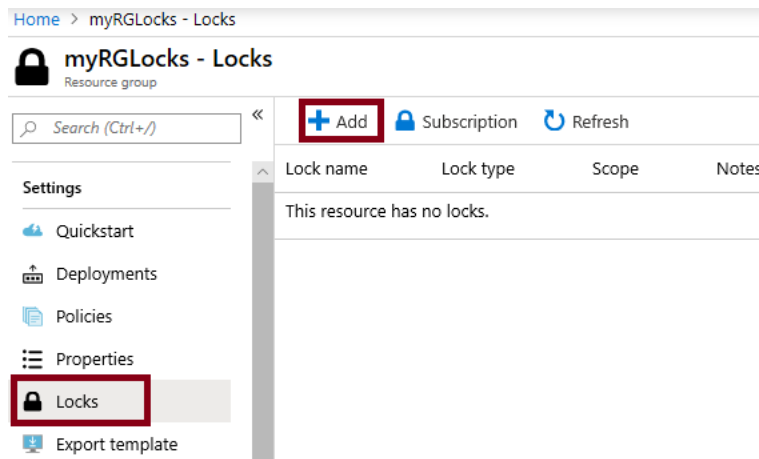
15 - Manage resource locks (5 min)

In this walkthrough, 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.

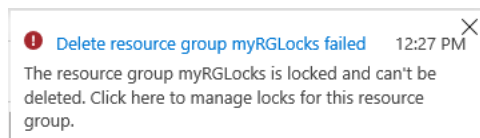
1. Sign in to the [Azure portal](#).
2. In the Azure portal, navigate to the resource group **myRGLocks**.
3. You can apply a lock to a subscription, resource group, or individual resource to prevent accidental deletion or modification of critical resources.
4. In the **Settings** section, click **Locks**, and then click + **Add**.



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

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

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**, and then click + **Add**, + **Create**, or + **New**.

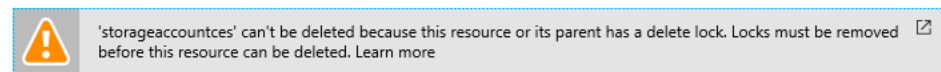
- On the **Storage Accounts** page **+Add +New +Create ** blade, fill in the following information** (replace ****xxxx** in the name of the storage account with letters and digits such that the name is globally unique). Leave the defaults for everything else.

| Setting | Value |
|-----------------------|---------------------------------|
| Subscription | Select your subscription |
| Resource group | myRGLocks |
| Storage account name | storageaccountxxxx |
| Location | (US) East US |
| Performance | Standard |
| Account kind | StorageV2 (general purpose v2) |
| Replication | Locally redundant storage (LRS) |
| Access tier (default) | Hot |

- Click **Review + Create** to review your storage account settings and allow Azure to validate the configuration.
- Once validated, click **Create**. Wait for the notification that the account was successfully created.
- Wait for the notification that the storage account was successfully created.
- 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.

Delete storage account

storageaccountces

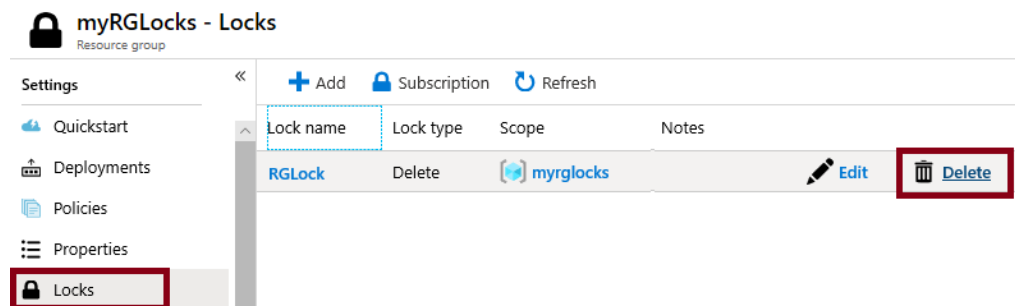


Note: Although we did not create a lock specifically for the storage account, we did create a lock at the resource group level, which contains the storage account. As such, this *parent* level lock prevents us from deleting the resource and the storage account inherits the lock from the parent.

Task 3: Remove the resource lock

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

- Return to the **myRGLocks-XXXXXXXX** resource group blade and, in the **Settings** section, click **Locks**.
- Click **Delete** link to the far right of the **myRGLocks-XXXXXXXX** entry, to the right of **Edit**.



- 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.

Note: To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.