Yumaan Mustafa

BSSE 7A
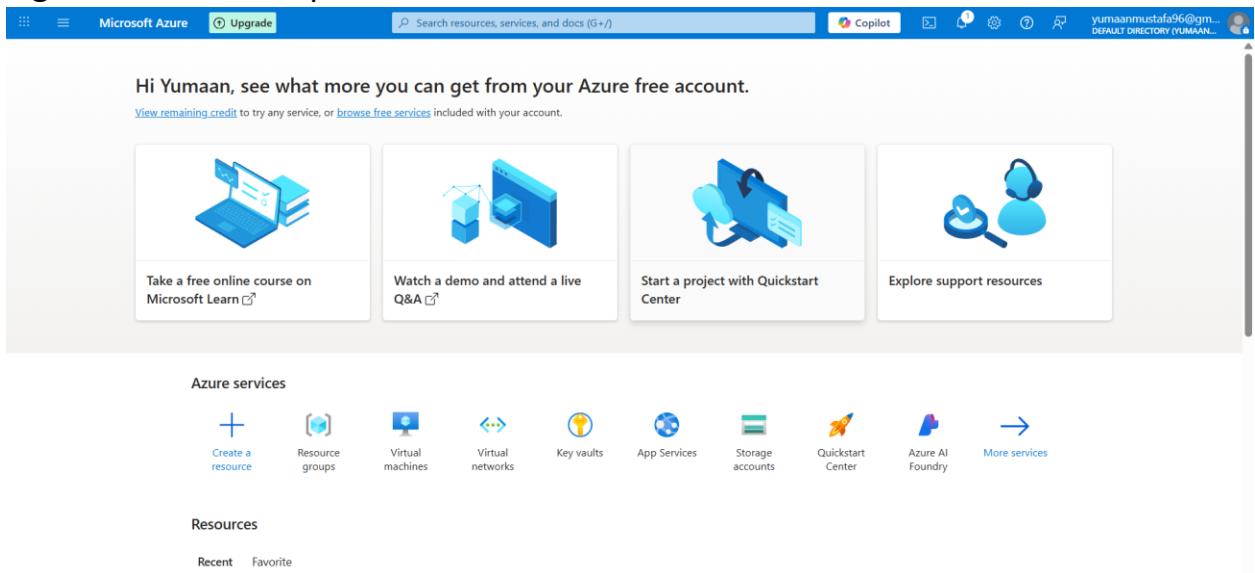
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Lab 8

08 - 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.

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

Subscription * ⓘ	Azure subscription 1 ⌄
Resource group name * ⓘ	myRGLocks
Region * ⓘ	(Middle East) UAE North ⌄

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.

Home > myRGLocks

🔒 **myRGLocks | Locks**
Resource group

☆ ··· 🔷   What are the best practices for locking resources in Azure?   Can multiple users in my tenant manage my locks?   How do locks prevent accidental deletion of Azure res

🔍 loc   ✕   ✕ ≪   + Add ↻ Refresh ⬚ Feedback

⌄ Settings

🔒 **Locks**

Lock name	Lock type	Scope	Notes

This resource has no locks.

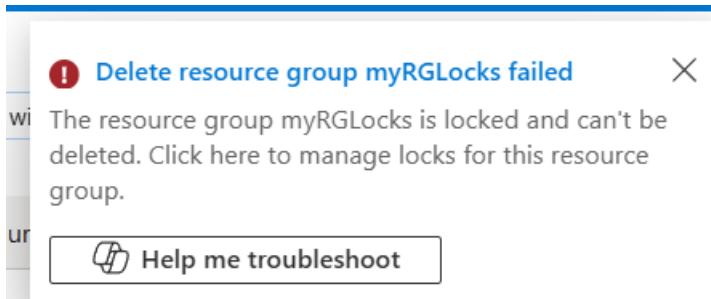5. Configure the new lock. When you are done click OK. Setting Value Lock name ''RGLock'' Lock Type Delete

Add lock

Lock name *

RGLock

Lock type *

Delete ⌄

Notes

OK   Cancel

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.

⊗ Delete resource group myRGLocks failed   ✕

wi   The resource group myRGLocks is locked and can't be deleted. Click here to manage locks for this resource group.

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⟨ℱ⟩ Help me troubleshoot

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.

2. 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 Subscription Resource group Value Select your subscription

myRGLocks Storage account name storageaccountxxxx Location (US) East US Performance Account kind Replication Access tier (default) Standard StorageV2 (general purpose v2) Locally redundant storage (LRS) Hot

Create a storage account ···   ✕

manage your storage account together with other resources.

Subscription *	Azure subscription 1 ⌄
Resource group *	myRGLocks ⌄
	Create new

Instance details

Storage account name * ⓘ	storageaccountrglocks
Region * ⓘ	(Middle East) UAE North ⌄
	Deploy to an Azure Extended Zone
Preferred storage type	Choose preferred storage type ⌄

ⓘ This helps us provide relevant guidance. It doesn't restrict your storage to this resource type. Learn more

Performance * ⓘ	◉ **Standard:** Recommended for most scenarios (general-purpose v2 account)
	◯ **Premium:** Recommended for scenarios that require low latency.
Redundancy * ⓘ	Locally-redundant storage (LRS) ⌄

Previous   Next   **Review + create**   ⟲ Give feedback

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

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

5. Wait for the notification that the storage account was successfully created.

6. 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.

(i) 'storageaccountrglocks' can't be deleted because this resource or its parent has a delete lock. Locks must be removed before this resource can be deleted. Learn more about delete locks ⧉
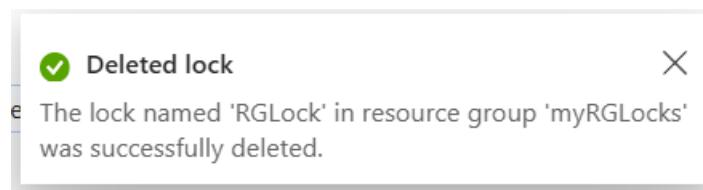
Delete   Cancel   ⧉ Give feedback
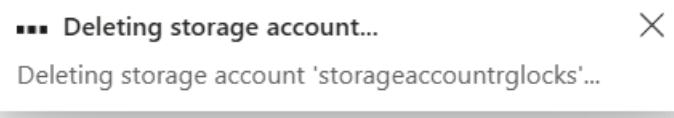
Task 3: Remove the resource lock

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

1. Return to the myRGLocks-XXXXXXXX resource group blade and, in the Settings section, click Locks.

2. Click Delete link to the far right of the myRGLocks-XXXXXXXX entry, to the right of Edit.

✅ Deleted lock   ✕

e The lock named 'RGLock' in resource group 'myRGLocks' was successfully deleted.

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. 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.

▪▪▪ Deleting storage account...   ✕

Deleting storage account 'storageaccountrglocks'...

Dismiss all ∨

✅ **Successfully deleted storage account** ✕

Successfully deleted storage account 'storageaccountrglocks'.

a few seconds ago