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Section – 7B
LAB:08

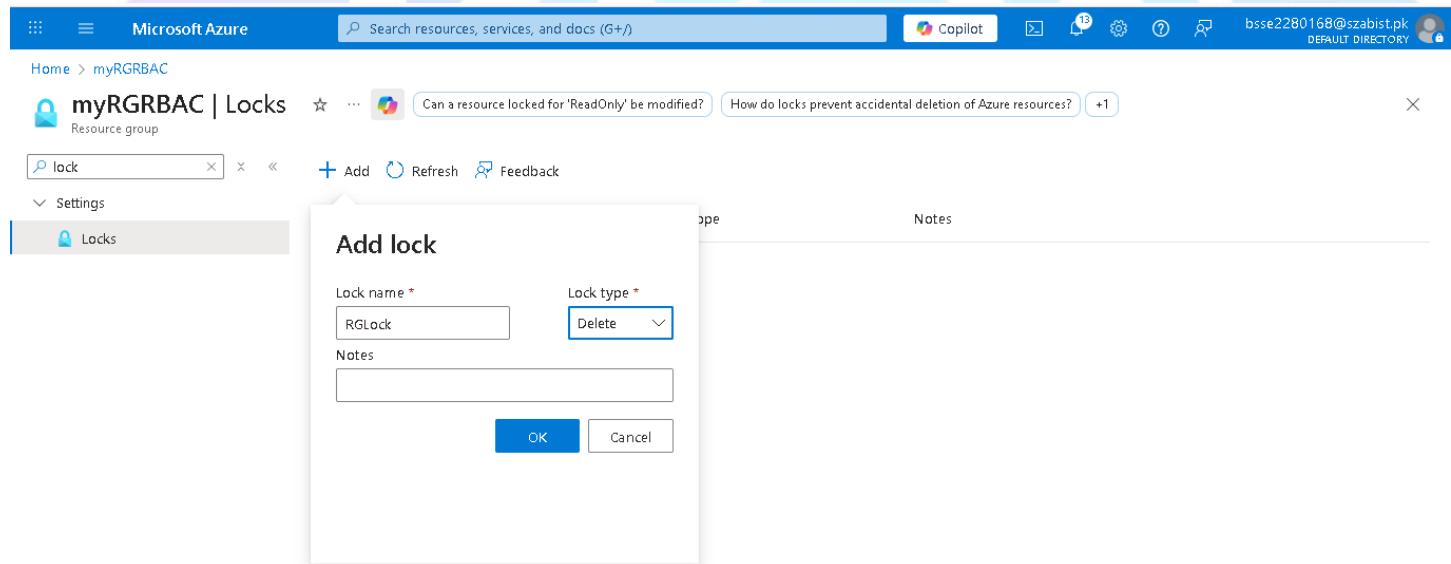
08 - Manage resource locks (5 min)

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**.
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**.



The screenshot shows the Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and various icons for Copilot, notifications, and account information. Below the navigation bar, the URL is 'Home > myRGLOCK'. The main content area displays the 'Locks' blade for the 'myRGLOCK' resource group. On the left, there's a sidebar with 'Settings' and 'Locks' sections. The 'Locks' section is currently selected and has a blue border. A modal dialog box is centered over the page, titled 'Add lock'. It contains fields for 'Lock name *' (set to 'RGLock') and 'Lock type *' (set to 'Delete'). There's also a 'Notes' field which is empty. At the bottom of the dialog are two buttons: 'OK' (highlighted in blue) and 'Cancel'. The background of the portal shows other resource groups like 'myRGRBAC' and 'myRGLOCK'.

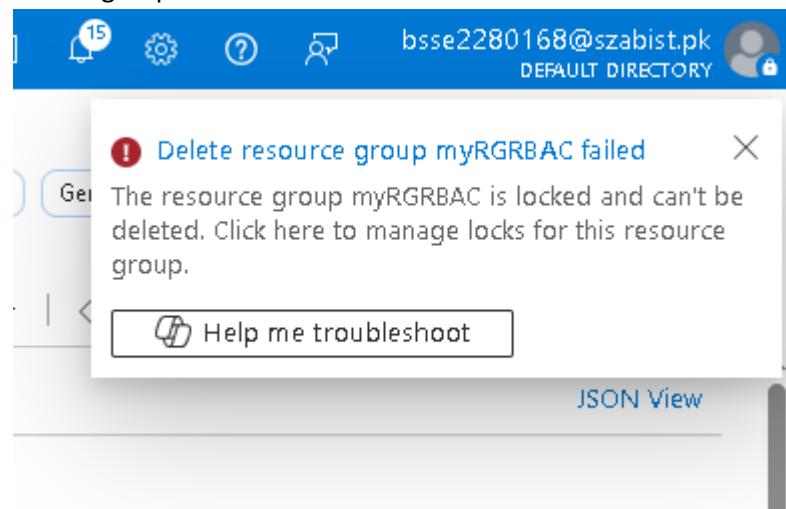
5. Configure the new lock. When you are done click **OK**.

Setting	Value
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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.



7.

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	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)
(default)	Hot

The screenshot shows the Microsoft Azure Storage Account Overview page for a deployment named 'storageaccount1195_1762528734151'. The status bar indicates 'Deployment succeeded' and 'Deployment 'storageaccount1195_1762528734151' to resource group 'myRGRBAC' was successful.'.

Deployment Summary:

- Deployment name: storageaccount1195_1762528734151
- Subscription: Azure for Students
- Resource group: myRGRBAC
- Start time: 11/7/2025, 6:19:12 AM
- Correlation ID: 86bb83100-5429-41d9-84c3-fe6537567574

Deployment Details:

- Deployment details (expanded)
- Next steps (collapsed)

Actions:

- Search, Delete, Cancel, Redeploy, Download, Refresh
- Go to resource, Pin to dashboard

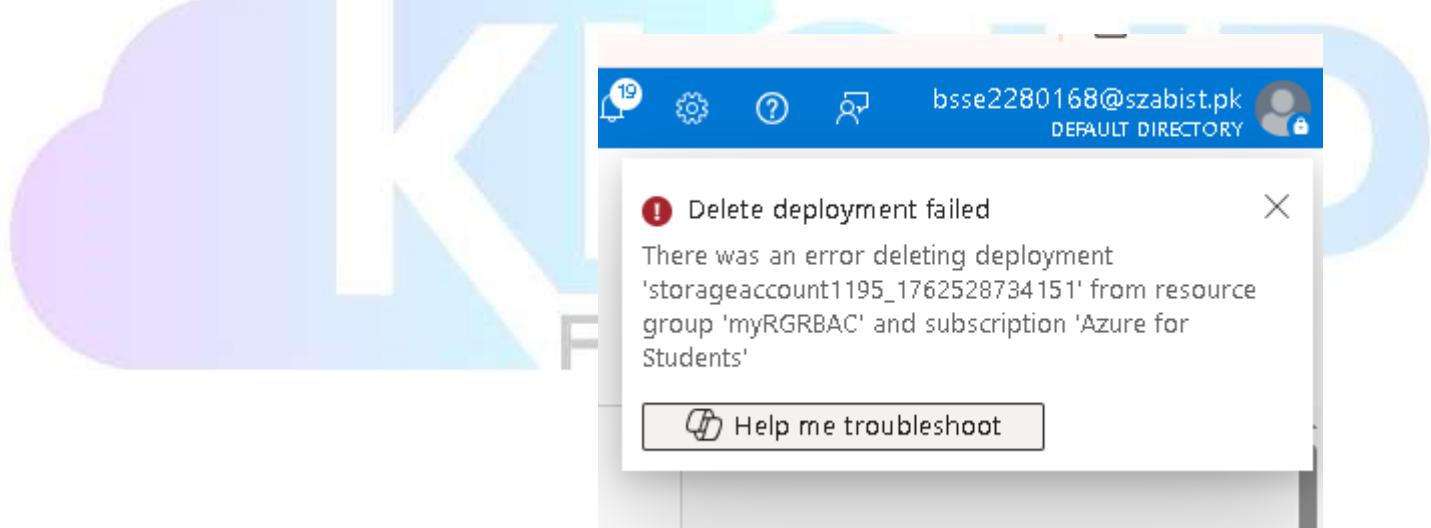
Feedback:

- Give feedback
- Tell us about your experience with deployment

Side Panel:

- Cost Management:** Get notified to stay within your budget and prevent unexpected charges on your bill. Set up cost alerts >
- Microsoft Defender for Cloud:** Secure your apps and infrastructure. Go to Microsoft Defender for Cloud >

- 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.



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

The screenshot shows the Microsoft Azure Locks blade for a resource group named 'myRGRBAC'. A lock named 'RGLock' is listed with a scope of 'myRGRBAC'. A modal dialog box titled 'Delete lock' asks 'Are you sure you want to delete this lock?' with 'Delete' and 'Go back' buttons.

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.

The screenshot shows the Microsoft Azure Storage account blade for 'storageaccount1195'. The 'Delete storage account' dialog is open, stating 'The following storage account and its contents will be deleted.' It lists the 'Resource to be deleted' as 'storageaccount1195' and the 'Dependent resources to be deleted' as 'Containers', 'File shares', 'Tables', and 'Queues'. An input field 'Enter storage account name to confirm deletion *' contains 'storageaccount1195'. Buttons for 'Delete' and 'Cancel' are at the bottom, along with a 'Give feedback' link.

A screenshot of the Microsoft Azure portal interface. At the top, there's a blue header bar with icons for notifications (20+), settings, help, and user authentication (bsse2280168@szabist.pk). To the right of the user info is a lock icon indicating a secure connection. Below the header, the text "DEFAULT DIRECTORY" is visible. A white notification box is centered in the screen, containing a green checkmark icon and the text "Successfully deleted storage account". Below this, it says "Successfully deleted storage account 'storageaccount1195'." In the background, there are blurred sections of the Azure portal, including a "Virtual networks" section and a "More services" link.

