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Program: BSSE

Section: B

## Lab 08 - Manage Resource Locks

### Task 1: Add a Lock to the Resource Group and Test Deletion

Microsoft Azure | Search resources, services, and docs (G+/I)

bsse2280151@szabist.pk

All services > Resource Manager | Resource groups >

### Create a resource group

Basics Tags Review + create

**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 \*

Resource group name \*

Region \*

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Home > Resource Manager | Resource groups > myRGLocks

### myRGLocks | Locks

Resource group

Search + Add Refresh Feedback

Events Settings Deployments Security Deployment stacks Policies Properties **Locks** Cost Management Monitoring Automation

What are the best practices for locking resources in Azure? Can a resource locked for 'ReadOnly' be modified?

#### Add lock

Lock name \*

Lock type \*

Notes

OK Cancel

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Home > Resource Manager | Resource groups > myRGLocks

myRGLocks | Locks

Search

Events

Settings

Deployments

Security

Deployment stacks

Policies

Properties

Locks

Lock name	Lock type	Scope	Notes
RGLock	Delete	myRGLocks	

What are the best practices for locking resources in Azure? Can a resource locked for 'ReadOnly' be modified?

Microsoft | Sign out

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My Microsoft account

Switch directory

Sign in with a different account

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Home > Resource Manager | Resource groups > myRGLocks

myRGLocks

Search

Create

Manage view

Delete resource group

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Deployments

Security

Deployment stacks

Policies

Properties

Generate Bicep code to duplicate this resource group.

How to

Essentials

Resources

Recommendations

Filter for any field...

Type equals all

Location equals all

Delete a resource group

The following resource group and all its dependent resources will be permanently deleted.

Resource group to be deleted

myRGLocks

Delete confirmation

Deleting this resource group and its dependent resources is a permanent action and cannot be undone.

Delete

Go back

Enter resource group name to confirm deletion \*

myRGLocks

Delete

Cancel

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Home > Resource Manager | Resource groups > myRGLocks

myRGLocks

Search

Create

Manage view

Delete resource group

Refresh

Group by none

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Generate Bicep code to duplicate this resource group. +2

Essentials

Resources

Recommendations

Filter for any field...

Type equals all

Location equals all

Add filter

JSON View

Notifications

More events in the activity log → Dismiss all

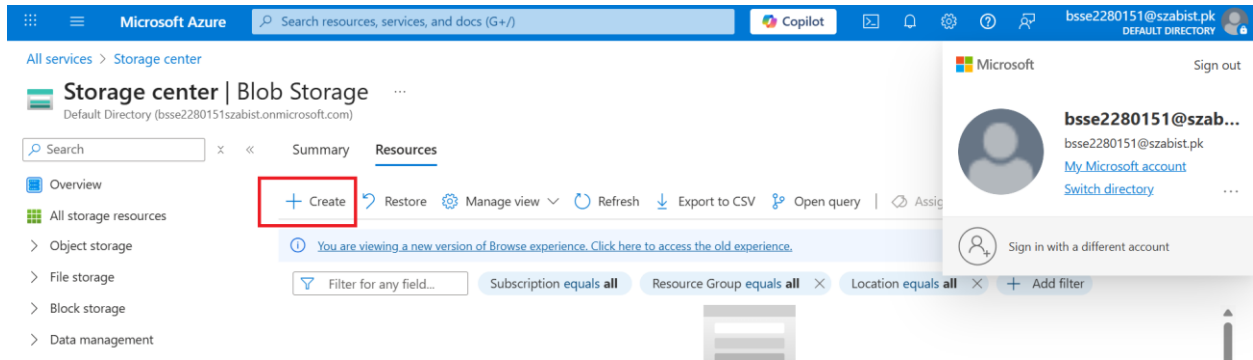
Delete resource group myRGLocks failed

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

Help me troubleshoot

a few seconds ago

## Task 2: Test Deleting a Member of the Resource Group



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DEFAULT DIRECTORY

All services > Storage center

Storage center | Blob Storage

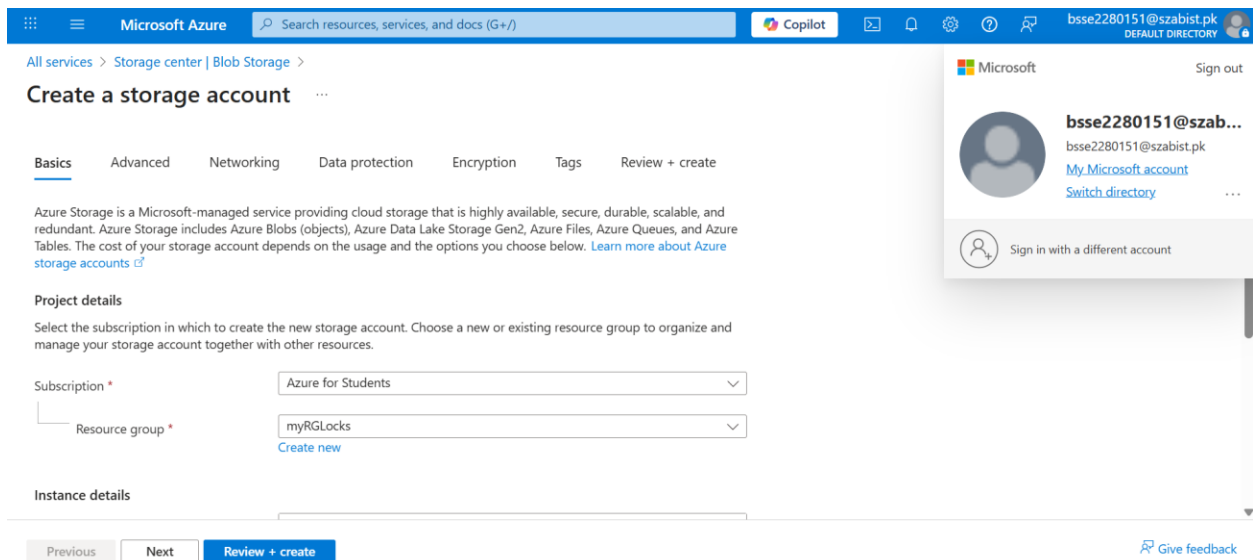
Default Directory (bsse2280151@szabist.onmicrosoft.com)

Summary Resources

+ Create Restore Manage view Refresh Export to CSV Open query Assign

You are viewing a new version of Browse experience. Click here to access the old experience.

Filter for any field... Subscription equals all Resource Group equals all Location equals all Add filter



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All services > Storage center | Blob Storage >

Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more about Azure storage accounts](#)

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

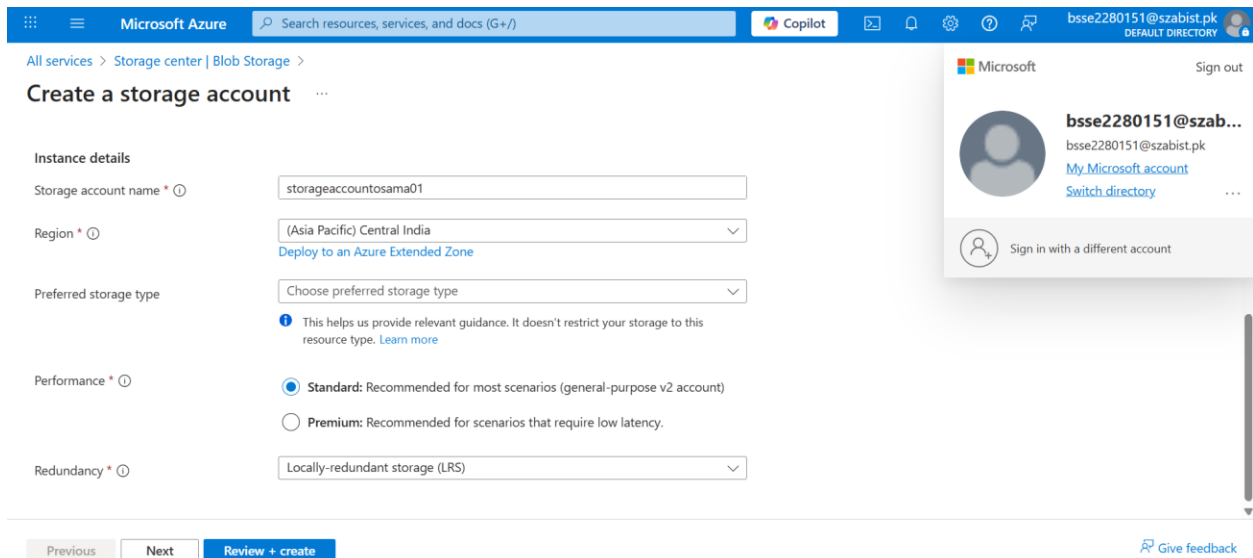
Subscription \* Azure for Students

Resource group \* myRGLocks  
[Create new](#)

Instance details

Previous Next Review + create

[Give feedback](#)



Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

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DEFAULT DIRECTORY

All services > Storage center | Blob Storage >

Create a storage account

Instance details

Storage account name \* storageaccountosama01

Region \* (Asia Pacific) Central India  
[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)

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[Give feedback](#)

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Deployment succeeded

Deployment 'storageaccountosama01\_1761827288030' to resource group 'myRGLocks' was successful.

Go to resource | Pin to dashboard

storageaccountosama01\_1761827288030 | Overview

Deployment

Search

Delete | Cancel | Redeploy | Download | Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: storageaccountosama01\_17... Start time: 10/30/2025, 5:28:33 PM

Subscription: Azure for Students Correlation ID: 4f5a7d59-2744-4936-98f4-38ec9ad1

Resource group: myRGLocks

Deployment details

Cost Management

Microsoft Azure | Search resources, services, and docs (G+)

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storageaccountosama01

Storage account

Assess data resiliency for this storage account | Enhance the security of this storage account

Search

Upload | Open in Explorer | Delete | Move | Refresh | Open in mobile | CLI / P

Essentials

Resource group (move) myRGLocks

Location centralindia

Subscription (move) Azure for Students

Performance Standard

Replication Locally-redundant storage (LRS)

Account kind

Microsoft | Sign out

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My Microsoft account

Switch directory

Sign in with a different account

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storageaccountosama01

Storage account

Assess data resiliency for this storage account

Search

Upload | Open in Explorer | Delete | Move | Refresh | Open in mobile | CLI / P

Essentials

Resource group (move) myRGLocks

Location centralindia

Subscription (move) Azure for Students

Subscription ID 861d493b-12a4-4267-b9db-f579840afab9

Disk state Available

Tags (edit) Add tags

Properties | Monitoring | Capabilities (7) | Recommendation

Delete storage account

The following storage account and its contents will be deleted.

Resource to be deleted

storageaccountosama01

Dependent resources to be deleted

The data provided is regularly updated and may be over a day between updates.

Resource	Number of instances	Total data stored
Containers	-	-
File shares	-	-

'storageaccountosama01' 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

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user profile 'bsse2280151@szabist.pk'. The breadcrumb trail indicates the current location: 'All services > Resource Manager > Resource groups > myRGLocks'. The left sidebar contains a list of services, with 'Locks' highlighted. The main content area displays the 'myRGLocks' resource group with a table of locks. The table has columns for 'Lock name', 'Lock type', 'Scope', and 'Notes'. A single lock named 'RGLock' is listed with a 'Delete' lock type. The 'Delete' button for this lock is highlighted with a red box.

Lock name	Lock type	Scope	Notes
RGLock	Delete	myRGLocks	

The screenshot shows the Microsoft Azure portal interface with a confirmation dialog box open. The dialog box is titled 'Delete lock' and asks 'Are you sure you want to delete this lock?'. It has two buttons: 'Delete' and 'Go back'. The background shows the 'myRGLocks' resource group with the 'RGLock' lock selected. The user profile 'bsse2280151@szabist.pk' is visible in the top right corner.

The screenshot shows the Microsoft Azure portal interface. The 'myRGLocks' resource group is displayed, and the table of locks is empty, indicating that the lock has been successfully deleted. A notification box is open in the top right corner, showing a green checkmark and the message 'Deleted lock'. The notification text reads: 'The lock named 'RGLock' in resource group 'myRGLocks' was successfully deleted. a few seconds ago'.

## Verification:

This screenshot shows the Microsoft Azure portal interface. The main view is the 'Storage account' page for 'storageaccountosama01'. The left sidebar contains navigation options like Overview, Activity log, Tags, and Storage browser. The right pane shows the 'Essentials' section with details about the resource group, location, and subscription. Overlaid on this is a 'Delete storage account' dialog box. It lists the resource to be deleted and shows dependent resources (Containers, File shares, Tables, Queues). A 'Delete confirmation' sub-dialog asks, 'Are you sure you want to delete the storage account and its contents?' with 'Confirm delete' and 'Go back' buttons. Below the confirmation, there is a text input field for the storage account name, which contains 'storageaccountosama01', and 'Delete' and 'Cancel' buttons.

This screenshot shows the Microsoft Azure portal after the storage account deletion. A green success message box is displayed, stating 'Successfully deleted storage account' and 'Successfully deleted storage account 'storageaccountosama01''. The background shows the 'Resource Manager | All resources' page with a search bar and various action buttons like Create, Manage view, Refresh, Export to CSV, Open query, Assign tags, and Delete.

This screenshot shows the Microsoft Azure portal interface for deleting a resource group. The main view is the 'Resource group' page for 'myRGLocks'. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings, Deployments, Security, Deployment stacks, Policies, and Properties. The right pane shows the 'Essentials' section with details about the resource group. Overlaid on this is a 'Delete a resource group' dialog box. It states, 'The following resource group and all its dependent resources will be permanently deleted.' and lists the resource group to be deleted. A 'Delete confirmation' sub-dialog asks, 'Deleting this resource group and its dependent resources is a permanent action and cannot be undone.' with 'Delete' and 'Go back' buttons. Below the confirmation, there is a text input field for the resource group name, which contains 'myRGLocks', and 'Delete' and 'Cancel' buttons.

