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Section: B

LAB: 02-B

Task 1 - Assign tags via the Azure portal:

The screenshot displays the Microsoft Azure portal interface for creating a new resource group. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and the user's profile 'muhammadosama0661...'. The main content area is titled 'Create a resource group' and features three tabs: 'Basics', 'Tags', and 'Review + create'. The 'Review + create' tab is selected, showing the following details:

- Basics**
 - Subscription: Azure subscription 1
 - Resource group name: az104-rg2
 - Region: Central India
- Tags**
 - Cost Center: 000

A success message overlay is present, indicating that the resource group 'az104-rg2' has been successfully created in the 'Azure subscription 1'. The overlay includes a green checkmark icon and the text 'Resource group created'. Below the message, there are two buttons: 'Go to resource gr...' and 'Pin to dashbo...'. The bottom of the screen shows a blue navigation bar with icons for home, notifications, settings, help, and a user profile dropdown.

Search resources, services, and docs (G+)

Copilot

muhammadosama0661...
DEFAULT DIRECTORY (MUHAMM...)

az104-rg2
Resource group

Generate Bicep code to duplicate this resource group. How to manage changes with deployment tools? Export resource group

Search

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Cost Management

Monitoring

Automation

Help

Essentials

Subscription (move) : Azure subscription 1

Subscription ID : b27ea303-a842-43a4-8123-8bdf4aec006b

Tags (edit) : Cost Center : 000

Deployments : No deployment

Location : Central India

Resources

Recommendations

Filter for any field...

Type equals all

Location equals all

Add filter

Microsoft

Sign out

muhammadosama...
muhammadosama0661@gm...
My Microsoft account
Switch directory

Sign in with a different account

Search resources, services, and docs (G+)

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az104-rg2 | Tags
Resource group

Search

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Cost Management

Monitoring

Automation

Help

Delete all

Feedback

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources. Tag values are case insensitive, but tag values are case sensitive. [Learn more about tags](#)

Do not enter names or values that could make your resources less secure or that contain personal/sensitive information because they are visible in the Azure portal.

Name	Value
Cost Center	: 000

az104-rg2 (Resource group)

Cost Center : 000

No changes

Microsoft

Sign out

muhammadosama...
muhammadosama0661@gm...
My Microsoft account
Switch directory

Sign in with a different account

Task 2 - Enforce tagging via an Azure Policy:

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

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Policy | Definitions

Search

Policy definition

Initiative definition

Refresh

Overview

Compliance

Remediation

Events

Authoring

Definitions

Assignments

Machine Configuration

Exemptions

Require a tag and its value on resources

Scope : Azure subscription 1

Definition type : All definition types

Policy type : All policy types

Category : All categories

Name	Latest version	Definition location	Policies	Type	Definition type	Category
Require a tag and its value on resources	1.0.1			BuiltIn	Policy	Tags

Microsoft Azure

Upgrade

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

Copilot

muhammadosama0661...
DEFAULT DIRECTORY (MUHAMMAD...)

All services > Policy | Definitions >

Require a tag and its value on resources

Policy definition

Assign policy Edit definition Duplicate definition Select version Delete definition

^ Essentials

Name: Require a tag and its value on resources

Version: 1.0.1

Description: Enforces a required tag and its value. Does not apply to resource groups.

Available Effects: Deny

Category: Tags

Definition location: --

Definition ID: /providers/Microsoft.Authorization/policyDefinitions/1e30110a-5ceb-...

Type: Built-in

Mode: Indexed

Definition

Assignments (0)

Parameters (2)

```
1 {
2   "properties": {
3     "displayName": "Require a tag and its value on resources",
4     "policyType": "BuiltIn",
5     "mode": "Indexed",
6     "description": "Enforces a required tag and its value. Does not apply to resource groups.",
7     "metadata": {
8       "version": "1.0.1",
9       "category": "Tags"
10    },
11    "version": "1.0.1",
12    "parameters": {
13      "tagName": {
14        "type": "String",
15        "metadata": {
16          "displayName": "Tag Name",
17          "description": "Name of the tag, such as 'environment'"
18        }
19      },
20      "tagValue": {
21        "type": "String",
22        "metadata": {
23          "displayName": "Tag Value",
24          "description": "Value of the tag, such as 'production'"
25        }
26      }
27    },
28    "policyRule": {
29      "if": {
30        "not": {
```

Give feedback

Microsoft Azure

Upgrade

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

Copilot

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All services > Policy | Definitions > Require a tag and its value on resources >

Assign policy

Basics Parameters Remediation Managed identity Non-compliance messages Review + create

Basics

Scope: Azure subscription 1

Exclusions: --

Policy definition: Require a tag and its value on resources

Assignment name: Require Cost Center tag and its value on resources

Version: 1.0.*

Description: --

Policy enforcement: Default

Assigned by: Muhammad Osama

Advanced

Resource selectors: No selectors associated with this assignment.

Overrides: No overrides associated with this assignment.

Parameters

Tag Name: Cost Center

Tag Value: 000

Remediation

Create a remediation task: No

Managed identity

Create a Managed identity: No managed identity associated with this assignment.

Non-compliance messages

Non-compliance messages: No non-compliance messages associated with this assignment.

Previous

Next

Create

Give feedback

Microsoft Azure

Upgrade

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

Copilot

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DEFAULT DIRECTORY (MUHAMMAD...)

All services > Policy | Definitions >

Require a tag and its value on resources

Policy definition

Assign policy Edit definition Duplicate definition Select version Delete definition

^ Essentials

Name: Require a tag and its value on resources

Version: 1.0.1

Description: Enforces a required tag and its value. Does not apply to resource groups.

Available Effects: Deny

Category: Tags

Definition location: --

Definition ID: /providers/Microsoft.Authorization/policyDefinitions/1e30110a-5ceb-460c-...

Type: Built-in

Mode: Indexed

Notifications

More events in the activity log > Dismiss all >

Creating policy assignment 'Require Cost Center tag and its value on resources' in 'Azure subscription 1' was successful. Please note that the assignment takes around 5-15 minutes to take effect.

a few seconds ago

Microsoft Azure | Upgrade | Search resources, services, and docs (G+J) | Copilot | muhammadosama0661... | DEFAULT DIRECTORY (MUHAMM...)

All services > Storage center | Blob Storage >

Create a storage account

Validation failed. [View error details](#)

Basics | Advanced | Networking | Data protection | Encryption | Tags | **Review + create**

[View automation template](#)

Basics

Subscription	Azure subscription 1
Resource group	az104-rg2
Location	Central India
Storage account name	osamastorage
Preferred storage type	
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Errors

Summary | Raw Error

Copy Full Error

ERROR VIEW

Resource "osamastorage" was disallowed by policy. (Code: RequestDisallowedByPolicy, Policy(s): Require Cost Center tag and its value on resources [Policy Link](#))

WAS THIS HELPFUL?

[Explain with Copilot](#)

Troubleshooting Options

[New Support Request](#)

Give Feedback

[Tell us about your experience with the Errors page](#)

Task 3 - Apply tagging via an Azure policy:

Microsoft Azure | Upgrade | Search resources, services, and docs (G+J) | Copilot | muhammadosama0661... | DEFAULT DIRECTORY (MUHAMM...)

All services > Policy

Policy | Assignments

Search | Assign policy | Assign initiative | Refresh

Search:

Filter by name or ID...

Scope: Azure subscription 1 | Definition type: All definition types

Total Assignments: 1 | Initiative Assignments: 0 | Policy Assignments: 1

Assignment name	Scope	Type
Require Cost Center tag and its value on resources	Azure subscription 1	Policy

Delete assignment

Do you want to delete the policy assignment 'Require Cost Center tag and its value on resources'?

Successfully deleted assignment

Successfully deleted 'Require Cost Center tag and its value on resources' from 'Azure subscription 1'. Please note that the change takes around 30 minutes to take effect.

Microsoft Azure

Upgrade

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

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Sign out

Home > Policy | Assignments >

Assign policy

BasicsParametersRemediationManaged identityNon-compliance messagesReview + create

Basics

ScopeAzure subscription 1/az104-rg2

Exclusions--

Policy definitionInherit a tag from the resource group if missing

Assignment nameInherit Cost Center tag

Version1.**

Description--

Policy enforcementDefault

Assigned byMuhammad Osama

Advanced

Resource selectorsNo selectors associated with this assignment.

OverridesNo overrides associated with this assignment.

Parameters

Tag NameCost Center

Remediation

Create a remediation taskYes

Managed identity

Create a Managed identityYes

Type of Managed identitySystem assigned managed identity

System assigned identity locationcentralindia

Non-compliance messages

Non-compliance messagesNo non-compliance messages associated with this assignment.

Previous

Next

Create

Give feedback

Microsoft Azure

Upgrade

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

Copilot

muhammadosama0661...
DEFAULT DIRECTORY (MUHAMMAH...)

Sign out

Home > Policy

Policy | Assignments

Search

Assign policyAssign initiativeRefresh

Search

Filter by name or ID...

Scope: Azure subscription 1

Definition type: All definition types

Total Assignments1

Initiative Assignments0

Policy Assignments1

Edit columns

Export to CSV

Assignments

Machine Configuration

Exemptions

Assignments

Machine Configuration

Exemptions

Assignments

Machine Configuration

Exemptions

Notifications

More events in the activity log >

Dismiss all

Remediation task creation succeeded

Creating remediation task 'a1cc46c8d9d04b9da53e335d' was successful.

a few seconds ago

Role Assignments creation succeeded

All role assignments were created successfully.

a few seconds ago

Creating policy assignment succeeded

Creating policy assignment 'Inherit Cost Center tag' in 'Azure subscription 1/az104-rg2' was successful. Please note that the assignment takes around 5-15 minutes to take effect.

a few seconds ago

Microsoft Azure

Upgrade

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

Copilot

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Sign out

All services > Storage center | Blob Storage >

Create a storage account

BasicsAdvancedNetworkingData protectionEncryptionTagsReview + create

View automation template

Basics

SubscriptionAzure subscription 1

Resource groupaz104-rg2

LocationCentral India

Storage account namesamastorage

Preferred storage typeStandard

PerformanceStandard

ReplicationRead-access geo-redundant storage (RA-GRS)

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

osamastorage

Storage account

Improve data protection for this storage account

Help me reduce the costs of my storage account

Enhance the security of this storage account

Search

Upload

Open in Explorer

Delete

Move

Refresh

Open in mobile

CLI / PS

Feedback

Essentials

Resource group (move)

Location

Primary/Secondary Location

Subscription (move)

Subscription ID

Disk state

Tags (edit)

Performance

Replication

Account kind

Provisioning state

Created

Standard

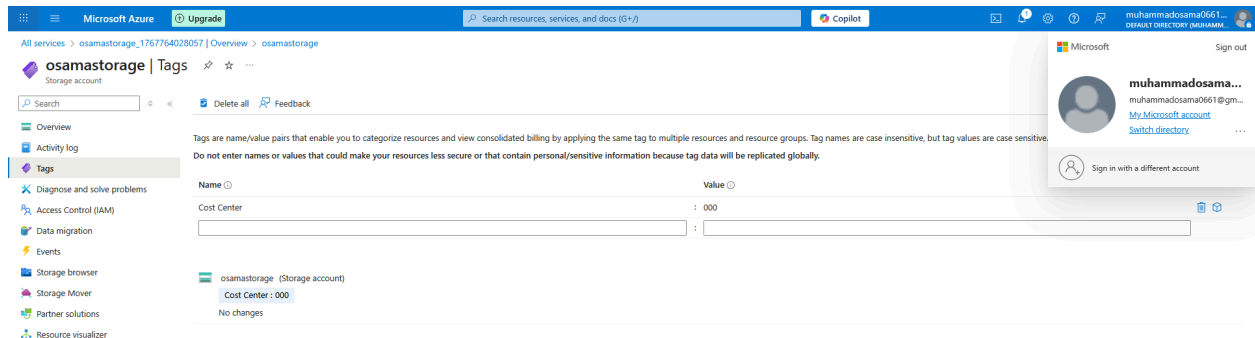
Read-access geo-redundant storage (RA-GRS)

StorageV2 (general purpose v2)

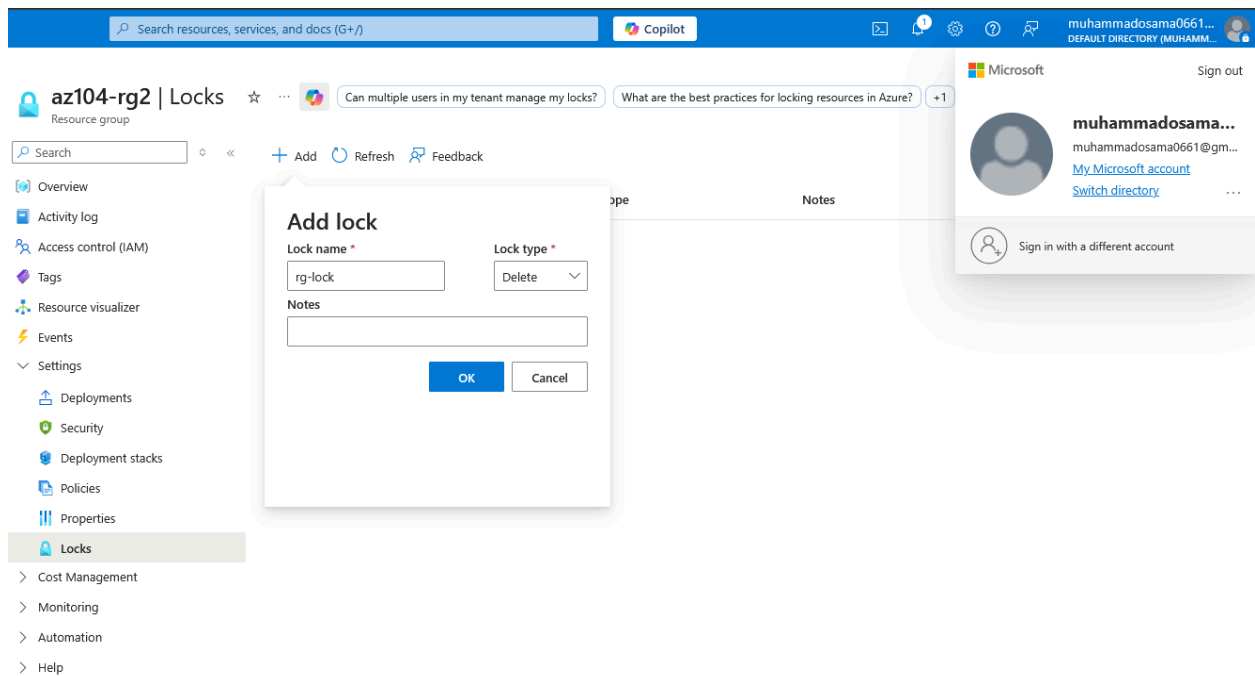
Succeeded

07/01/2026, 10:34:29 am

Cost Center: 000



Task 4 - Configure and test resource locks:








Sign out

[Sign in with a different account](#)


az104-rg2

[Go back](#)


Cancel





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using Bicep or Terraform

✓  Open query

 **Delete resource group az104-rg2 failed** 

The resource group az104-rg2 is locked and can't be deleted. Click here to manage locks for this resource group.

 [Help me troubleshoot](#)

[JSON View](#)