Manage Governance via Azure Policy

Task 1
Resource Group
↓
Name: Cost Center
Value: 000

Task 4
Resource Group 🔒

Task 2
Azure policy
Require a tag and its value on resources
✗
↓
New Storage Account without the tag

Task 3
Azure policy
Inherit a tag from the resource group if missing – remediation
New Storage Account - policy adds the tag

🔧 **Task 1: Assign Tags via Azure Portal**

Objective: Create a resource group and assign a tag for governance.

Steps:

1. Sign in to [Azure Portal](#)

2. Navigate to **Resource groups → + Create**

3. Fill in:

   o Subscription: *your subscription*

   o Resource group name: az104-rg2

   o Location: East US

4. Go to **Tags tab →** Add:

   o Name: Cost Center

   o Value: 000

5. Click **Review + Create → Create**

📸 **Screenshot Cue:**

- Screenshot of the **Tags tab** with Cost Center: 000 filled in

Home > Resource groups >

Create a resource group   ...

Basics   Tags   **Review + create**

👁 Automation Link

Basics

Subscription   MOC Subscription-lod51121507

Resource group name   az104-rg2

Region   East US

Tags

Cost Center   000

🛡 **Task 2: Enforce Tagging via Azure Policy**

Objective: Prevent resource creation without the required tag.

Steps:

1. Go to **Policy → Definitions**

2. Search for **Require a tag and its value on resources**

3. Select → Click **Assign Policy**

4. Scope:

   o   Subscription: *your subscription*

   o   Resource Group: az104-rg2

5. Assignment settings:

   o   Name: Require Cost Center tag and its value on resources
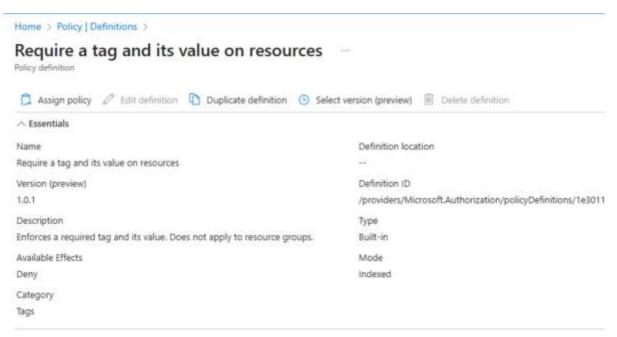
   o   Description: *optional*

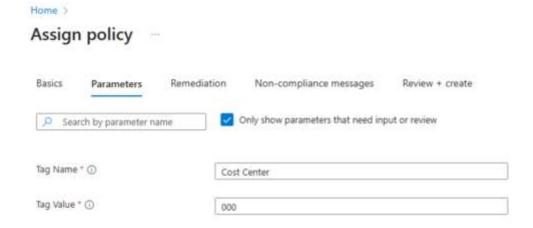   o   Enforcement: Enabled

6. Parameters:

- o Tag Name: Cost Center
   - o Tag Value: 000

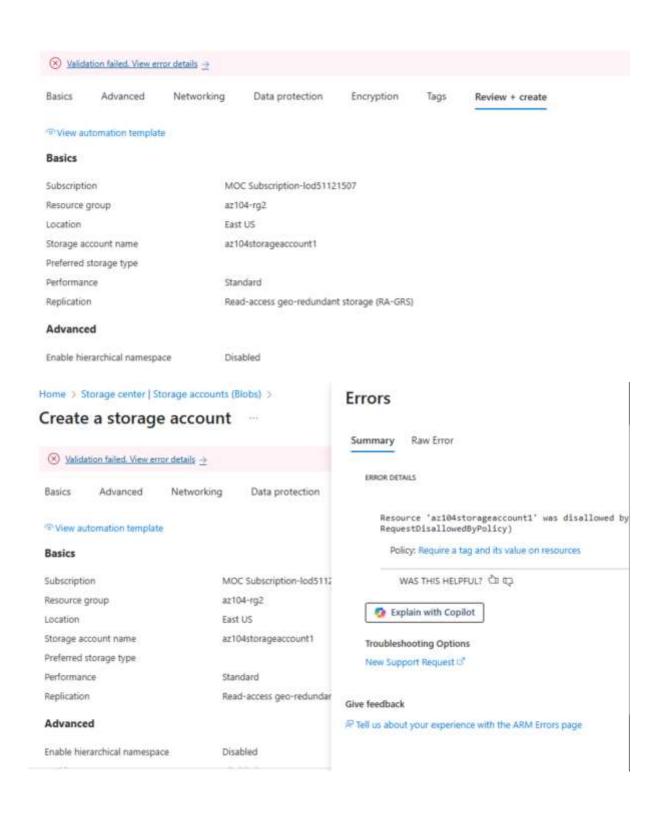7. Skip Managed Identity → **Review + Create** → **Create**

📷 **Screenshot Cue:**

- Screenshot of **Policy assignment summary**

Home > Policy | Definitions >

Require a tag and its value on resources ...
Policy definition

📋 Assign policy ✏️ Edit definition 📄 Duplicate definition 🕐 Select version (preview) 🗑 Delete definition

∧ Essentials

Name	Definition location
Require a tag and its value on resources	--
Version (preview)	Definition ID
1.0.1	/providers/Microsoft.Authorization/policyDefinitions/1e3011
Description	Type
Enforces a required tag and its value. Does not apply to resource groups.	Built-in
Available Effects	Mode
Deny	Indexed
Category	
Tags	

- Assigning the policy

Home >

Assign policy ...

Basics **Parameters** Remediation Non-compliance messages Review + create

🔍 Search by parameter name   ☑ Only show parameters that need input or review

Tag Name * ⓘ   Cost Center

Tag Value * ⓘ   000

- Screenshot of **Validation failed** error when creating a Storage Account without the tag

Validation failed. View error details →

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

View automation template

Basics

Subscription	MOC Subscription-lod51121507
Resource group	az104-rg2
Location	East US
Storage account name	az104storageaccount1
Preferred storage type	
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

| Enable hierarchical namespace | Disabled |

Home > Storage center | Storage accounts (Blobs) >

Create a storage account ...

Validation failed. View error details →

| Basics | Advanced | Networking | Data protection |

View automation template

Basics

Subscription	MOC Subscription-lod5112
Resource group	az104-rg2
Location	East US
Storage account name	az104storageaccount1
Preferred storage type	
Performance	Standard
Replication	Read-access geo-redundar

Advanced

| Enable hierarchical namespace | Disabled |

Errors

Summary   Raw Error

ERROR DETAILS

Resource 'az104storageaccount1' was disallowed by RequestDisallowedByPolicy)

Policy: Require a tag and its value on resources

WAS THIS HELPFUL? 👍 👎

🔵 Explain with Copilot

Troubleshooting Options

New Support Request ↗

Give feedback

⚑ Tell us about your experience with the ARM Errors page

🔁 **Task 3: Apply Tagging via Azure Policy**

Objective: Automatically apply missing tags to existing resources.

Steps:

1. Go to **Policy → Assignments**

2. Delete previous policy assignment

3. Click **Assign Policy**

4. Scope:

    o Subscription: *your subscription*
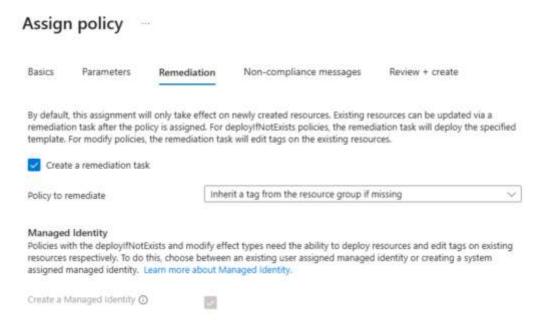
    o Resource Group: az104-rg2

5. Policy Definition:

    o Search: Inherit a tag from the resource group if missing

6. Assignment settings:

    o Name: Inherit the Cost Center tag and its value 000 from the resource group if missing
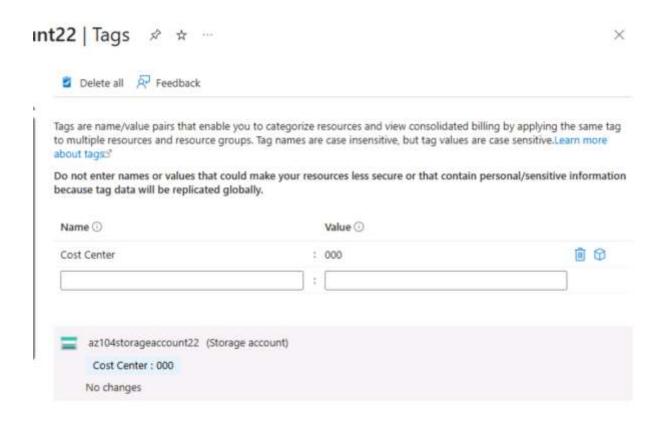
    o Enforcement: Enabled

7. Parameters:

    o Tag Name: Cost Center

8. Remediation tab:

    o Enable **Create a remediation task**

    o Policy to remediate: *same as above*

9. **Review + Create → Create**

📷 **Screenshot Cue:**

• Screenshot of **Remediation tab**

• Screenshot of **Tags blade** showing Cost Center: 000 auto-applied to new Storage Account

int22 | Tags 📌 ☆ ⋯   ✕

🗑 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 and resource groups. Tag names 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 tag data will be replicated globally.

Name ⓘ		Value ⓘ		
Cost Center	:	000		🗑 📦
	:			

▤ az104storageaccount22 (Storage account)
  Cost Center : 000
 No changes

🔒 **Task 4: Configure and Test Resource Locks**

Objective: Prevent accidental deletion of critical resources.

Steps:

1. Go to **Resource Group → Settings → Locks**

2. Click **Add**:

   ○ Lock name: rg-lock
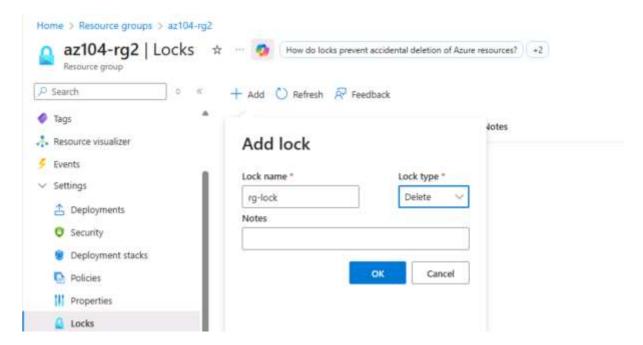
   ○ Lock type: Delete

3. Try deleting the resource group:

   ○ Enter name: az104-rg2
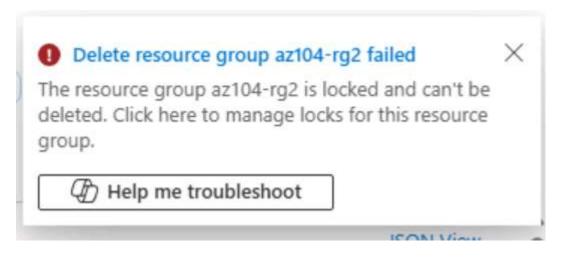
   ○ Click **Delete**

📸 **Screenshot Cue:**

• Screenshot of **Lock settings**

- Screenshot of **Deletion failed** message

🧩 **Summary**

This lab demonstrates how to implement governance using Azure Policy and resource locks. You enforced tagging, remediated non-compliant resources, and protected critical infrastructure—all key skills for cloud governance and audit readiness.

Once you've got your screenshots, I can help you convert this into Markdown for GitHub and suggest a LinkedIn caption that highlights your skills without exposing lab credentials. Want help with that next?