Lab 8

CST8912\_011

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Submitted to:

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# **Lab Report Format**

#### **Title**

Organizing Cloud Resources with Tags

## **Introduction or Purpose**

Tagging cloud resources is essential for IT, especially when managing multiple departments and projects. As part of the Cloud Adoption Framework, tagging maximizes resource efficiency and cost-effectiveness. It is a key pillar of Cloud Governance, ensuring organization and lifecycle management. Tags also enable automation through Cloud Policy and Runbooks, improving compliance.

## Steps covered in the lab

Task 1: Assign Tags via Azure Portal

- 1. Sign in to Azure Portal.
- 2. Search for **Resource groups** and click + **Create**.
- 3. Set:
  - Subscription: Your subscriptionResource Group Name: CST8912
  - o Location: Canada Central
- 4. Click **Next: Tags**, create a tag:
  - o Name: Cost Center
  - o Value: 000
- 5. Click Review + Create → Create.

Task 2: Enforce Tagging via Azure Policy

- 1. In Azure Portal, search for Policy.
- 2. Go to **Definitions**, search for **Require a tag**.
- 3. Select Require a tag and its value on resources → Click Assign.
- 4. Set Scope:
  - Subscription: Your subscriptionResource Group: CST8912
- 5. Configure:

- Assignment Name: Require Cost Center tag
- o Policy Enforcement: Enabled
- 6. Click Next → Set Tag Name: Cost Center, Tag Value: 000.
- 7. Click Review + Create → Create.
- 8. Verify enforcement: Create a storage account without a tag and confirm failure.

#### Task 3: Apply Tagging via Azure Policy

- 1. In Azure Portal, go to Policy → Assignments.
- 2. Delete the Require Cost Center tag assignment.
- 3. Click **Assign Policy**, set Scope:
  - o **Subscription**: Your subscription
  - o Resource Group: CST8912
- 4. Search for Inherit a tag from resource group, select it.
- 5. Configure:
  - o Assignment Name: Inherit Cost Center tag
  - o Policy Enforcement: Enabled
- 6. Set Tag Name: Cost Center.
- 7. Enable Create a remediation task.
- 8. Click Review + Create → Create.
- 9. Verify by creating a new storage account and confirming the tag is applied.

## Task 4: Configure and Test Resource Locks

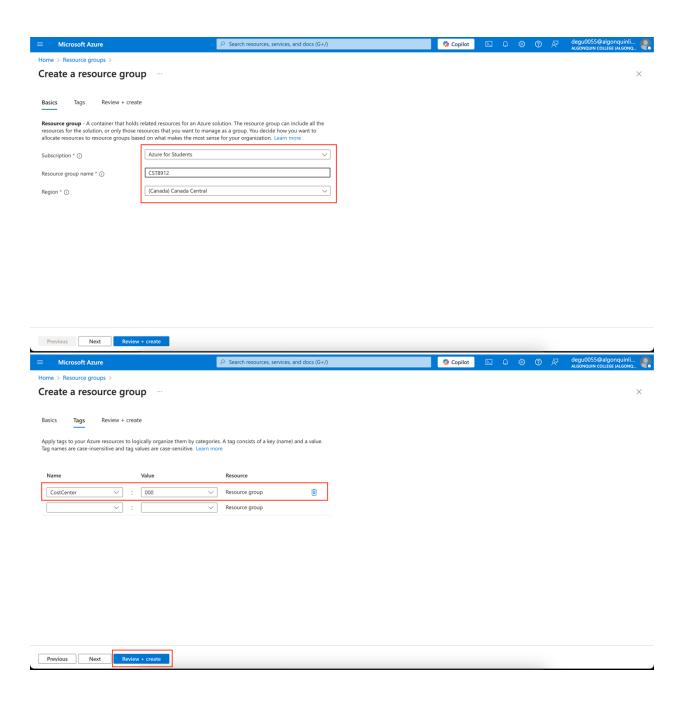
- 1. Go to your **Resource Group** → **Locks**.
- 2. Click Add, set:
  - o **Lock Name**: rg-lock
  - Lock Type: Delete
- 3. Try deleting the resource group; deletion should be denied.

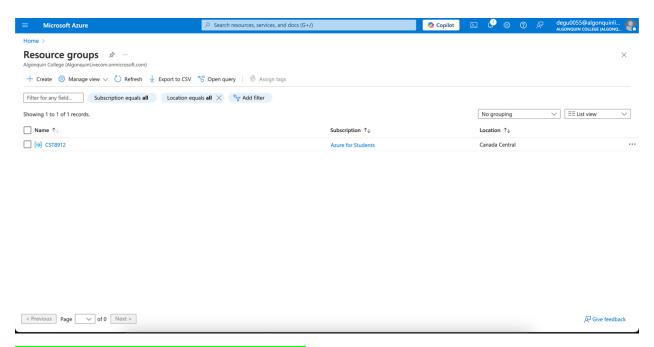
## Task 5: Clean Up Resources

- In Azure Portal, go to Policy → Assignments → Delete policy assignment.
- Search for Storage Accounts, delete the created storage account.
- 3. Confirm deletion by entering the storage account name.

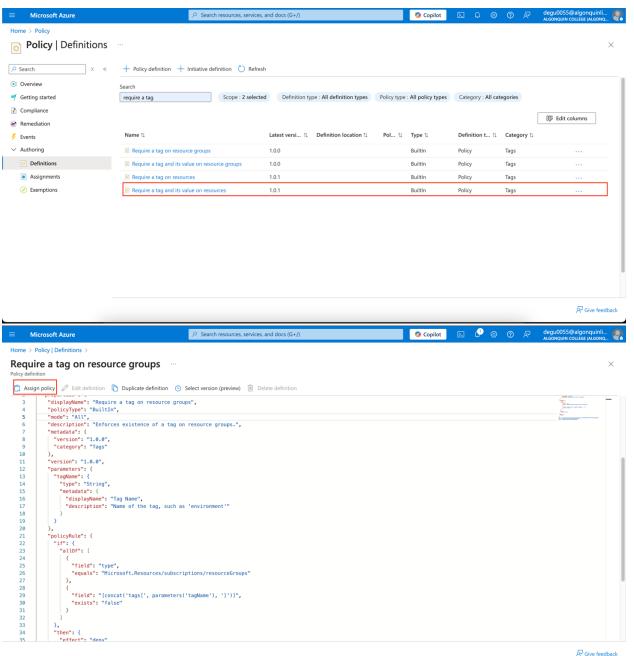
## **Results**

Task 1 - Create and assign tags via the Azure portal

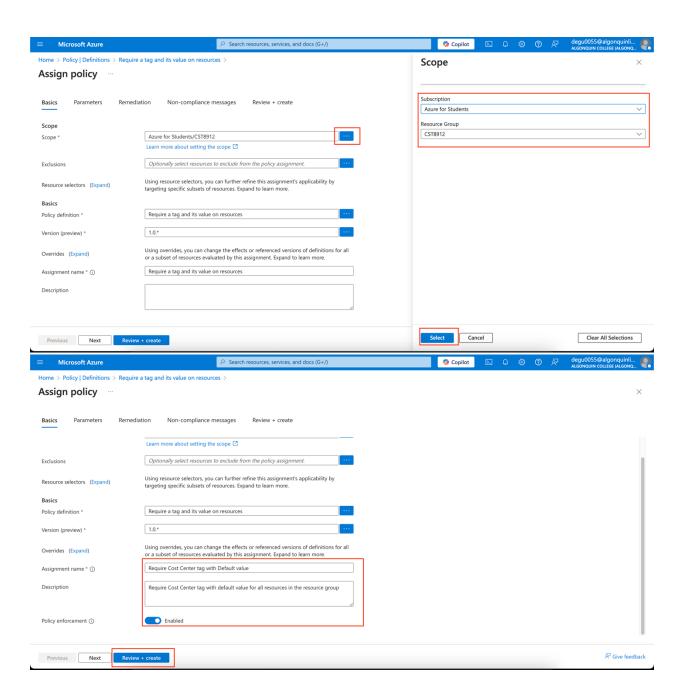


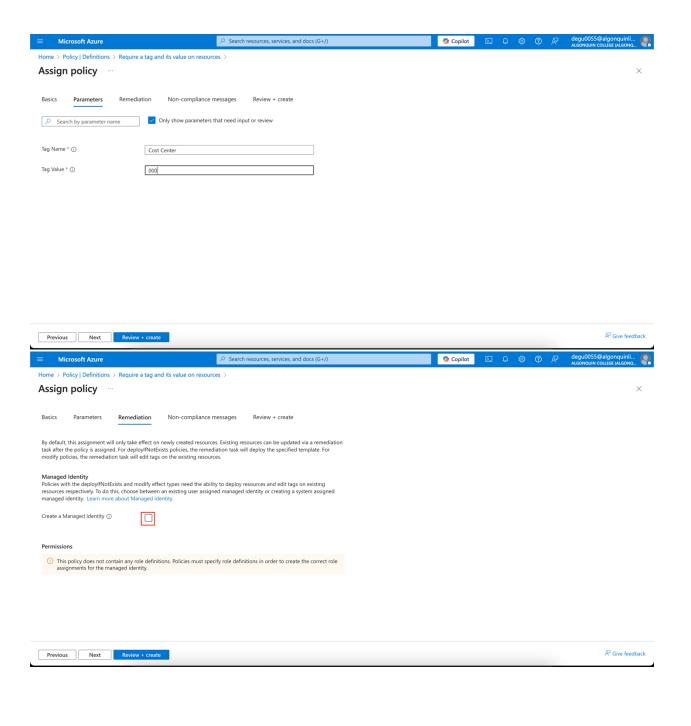


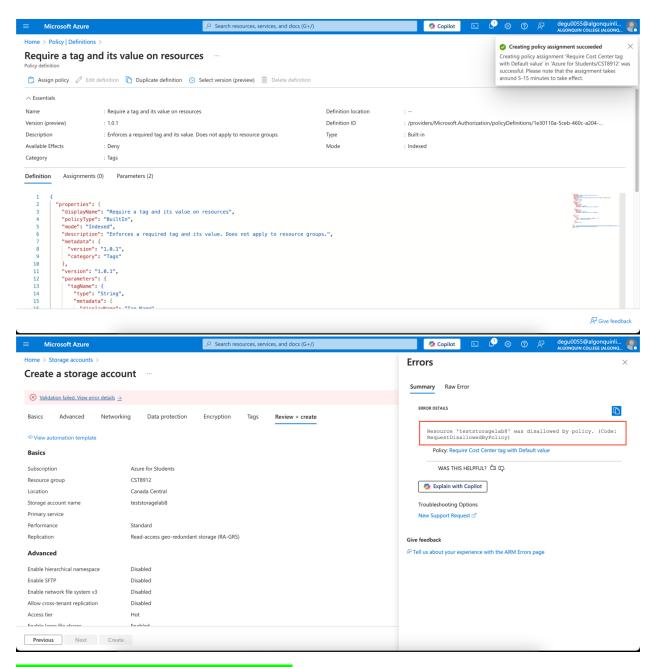
Task 2 - Enforce tagging via an Azure policy



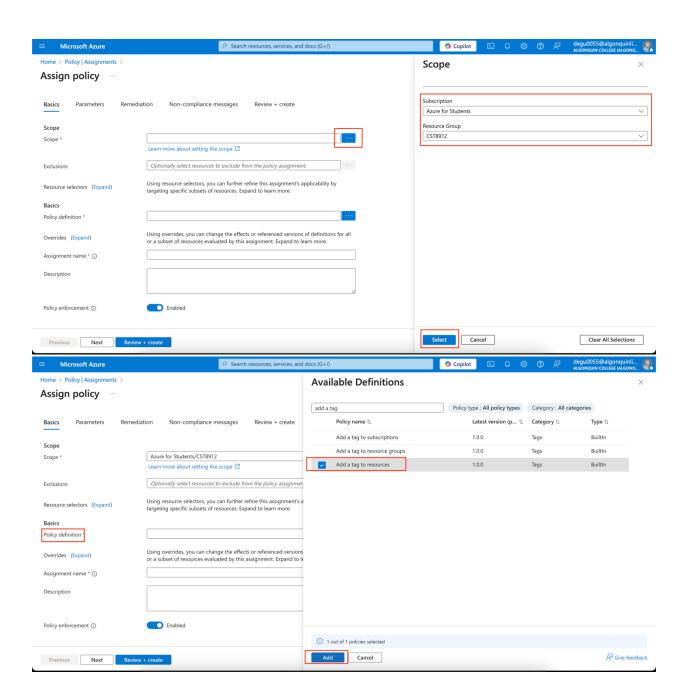
Give feedback

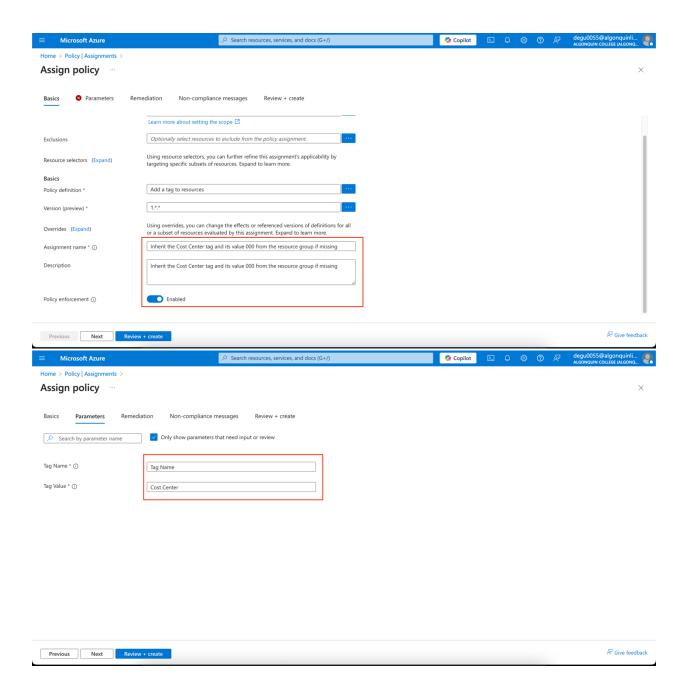


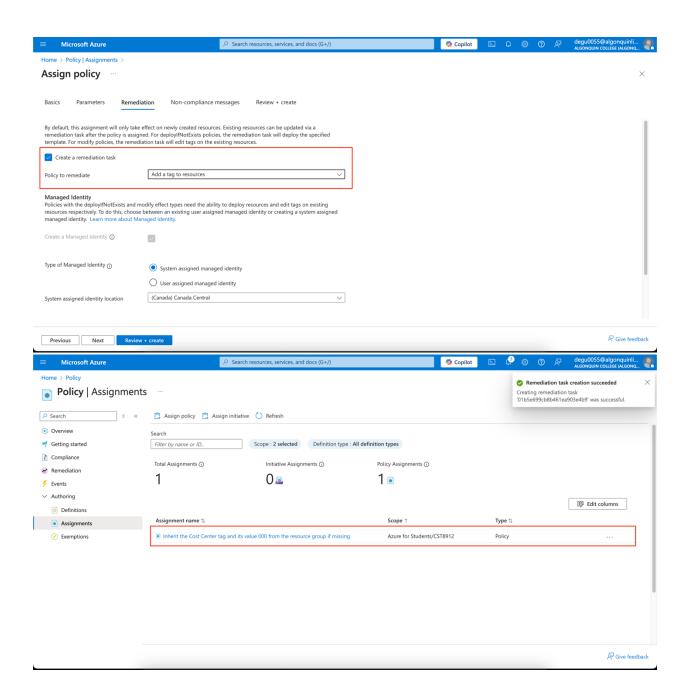


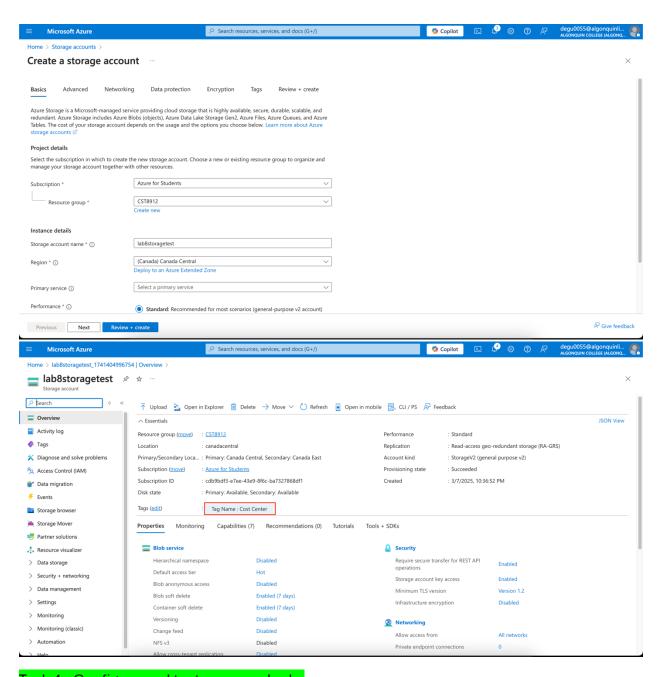


Task 3 - Apply tagging via an Azure policy

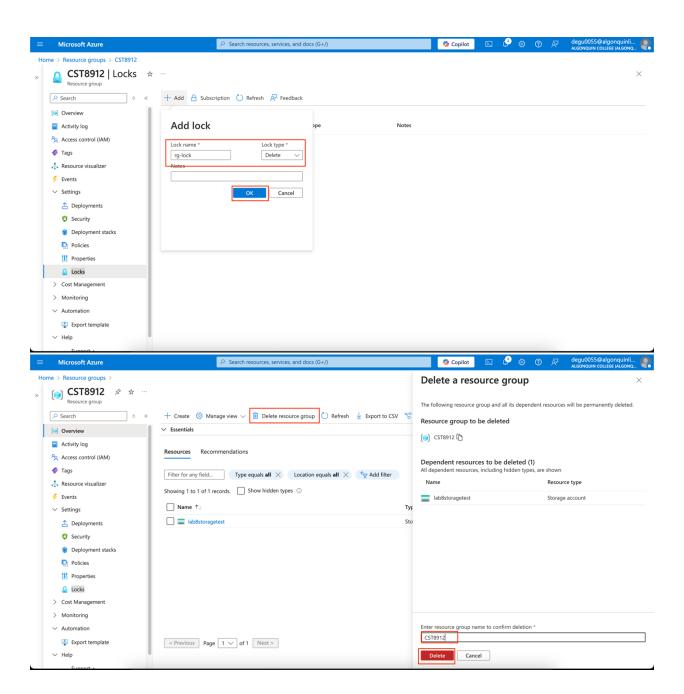


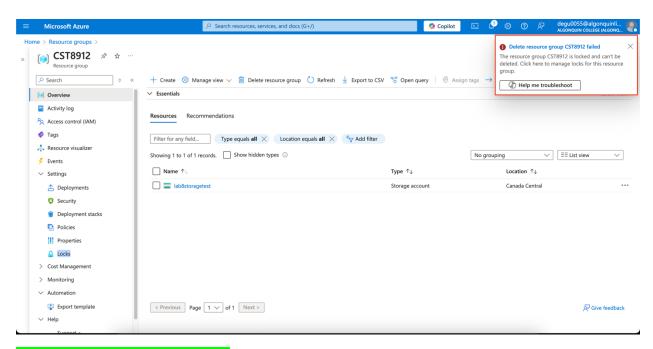






Task 4 - Configure and test resource locks





Task 5 - Clean up the resources

