



LOYALIST COLLEGE IN TORONTO

Manage_Governance_via_Azure_Policy

LAB_02b

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Task 1: Assign tags via the Azure portal

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

Home > 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](#)

Project details

Subscription * Azure for Students

Resource group * az104-rg2

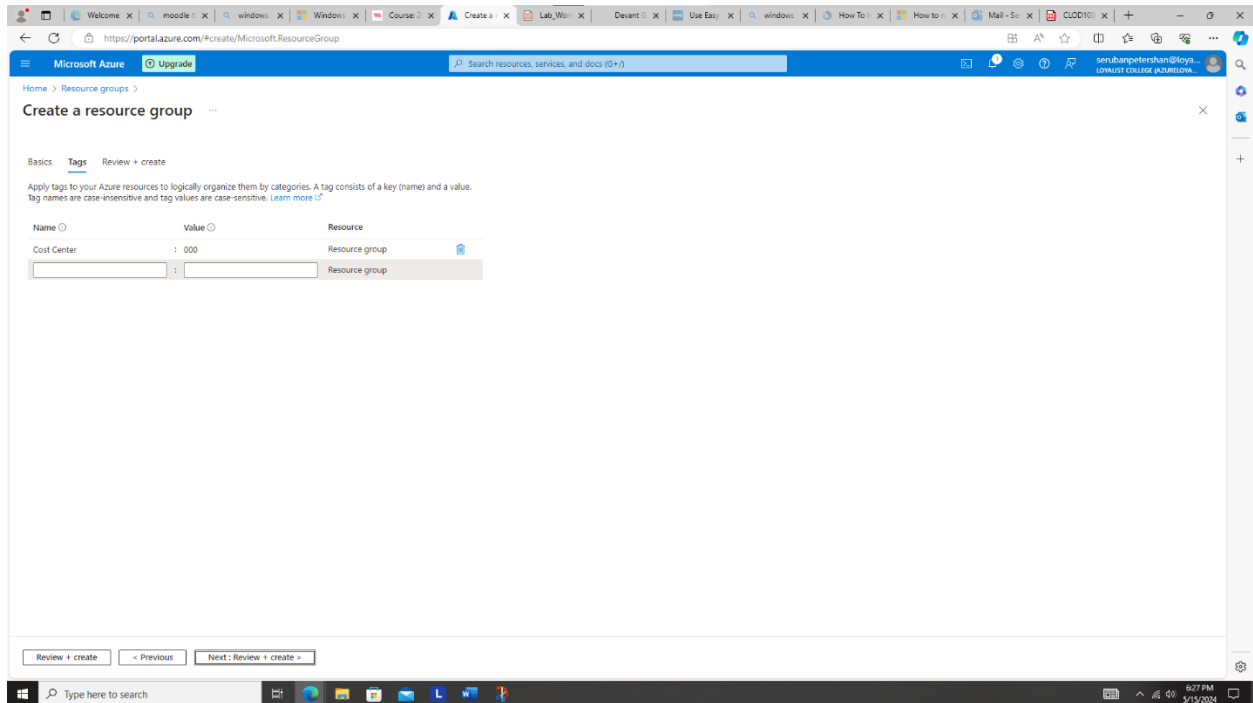
Resource details

Region * (US) East US

Review + create < Previous Next: Tags >

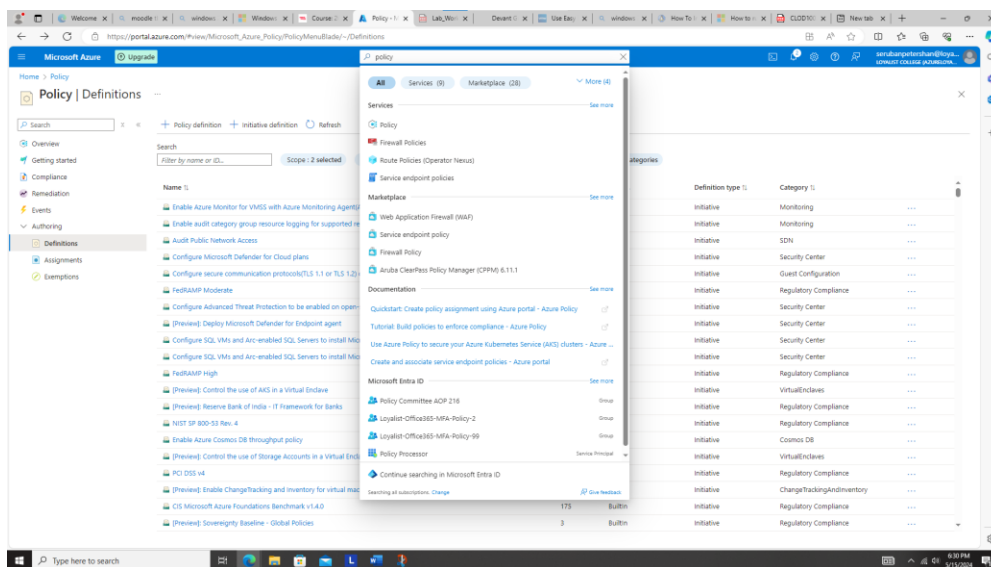
Type here to search 6:26 PM 5/15/2024

Here I'm assigning resource group under the name az104-rg2

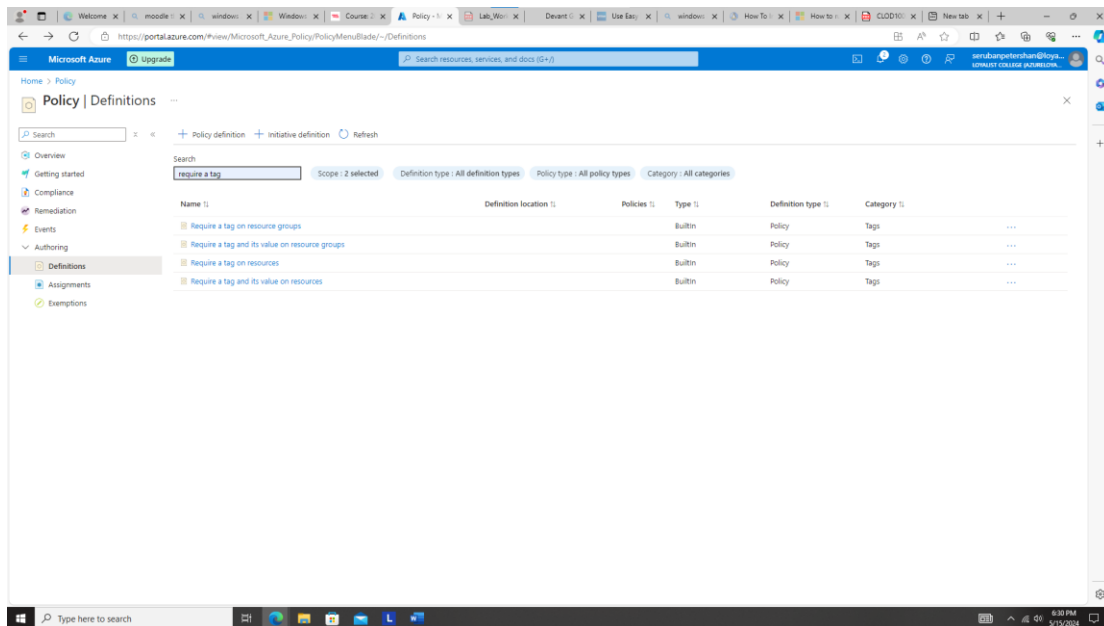


Assigning tag name **Cost Center** Value **000**

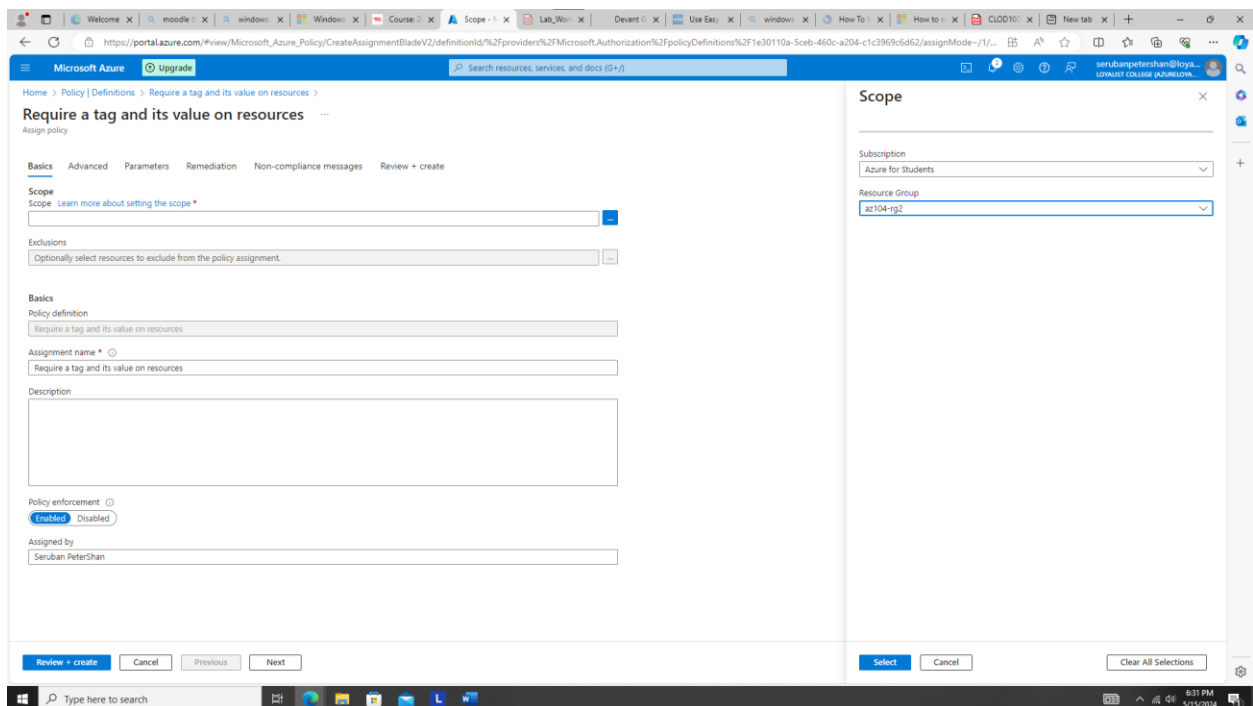
Task 2: Enforce tagging via an Azure Policy



Searching Policy



Searching Require a tag and its value on resources and Assigning



Setting Scope to my subscription and resource group az104-rg2

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

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

Require a tag and its value on resources

Assign policy

Basics Advanced Parameters Remediation Non-compliance messages Review + create

Scope [Learn more about setting the scope *](#)

Azure for Students/az104-ng2 ✓

Exclusions

Optionally select resources to exclude from the policy assignment. -

Basics

Policy definition

Require a tag and its value on resources

Assignment name *

Require Cost Center tag with Default value ✓

Description

Require Cost Center tag with default value for all resources in the resource group

Policy enforcement

Enabled Disabled

Assigned by

Seruban Petershan

Review + create Cancel Previous Next

Defining Basic Properties

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

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

Require a tag and its value on resources

Assign policy

Basics Advanced Parameters Remediation Non-compliance messages Review + create

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

Tag Name *

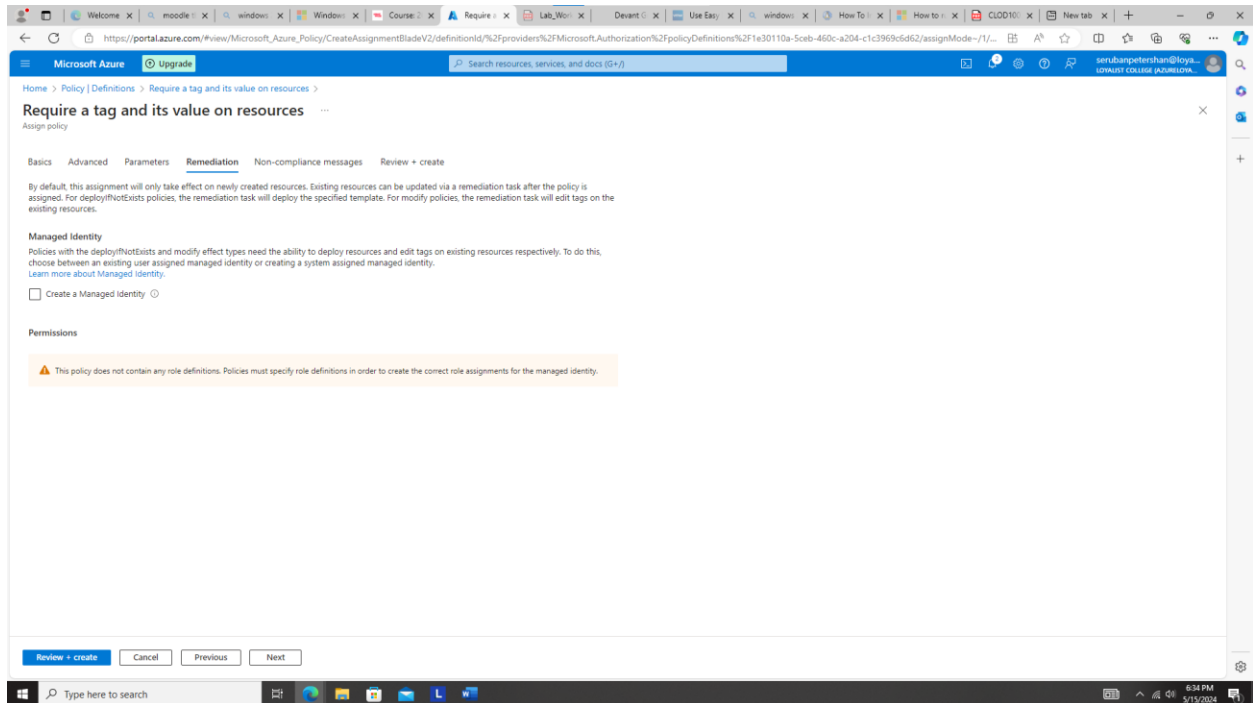
Cost Center ✓

Tag Value *

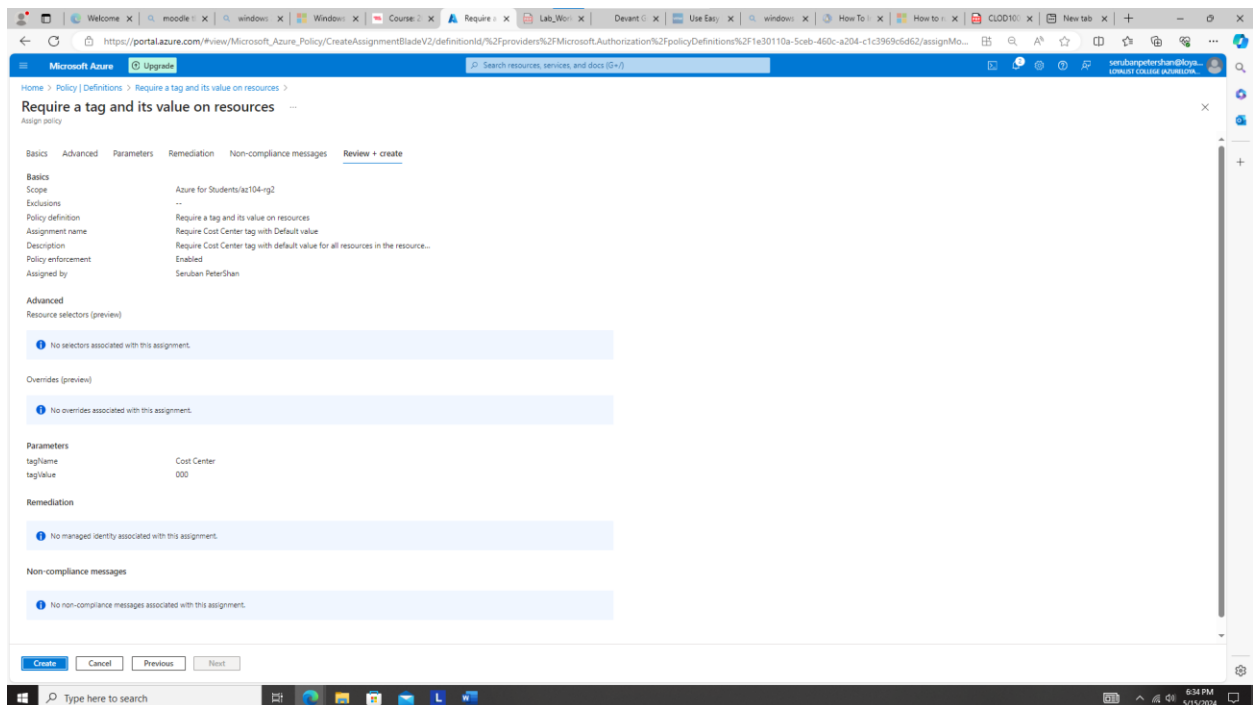
000 ✓

Review + create Cancel Previous Next

Defining Tag



Leaving the **Create a Managed Identity** checkbox unchecked.



Review + Create

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

Home > Storage accounts > Create a storage account

Validation failed. View error details →

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

View automation template

Basics

Subscription	Azure for Students
Resource group	az104-rg2
Location	East US
Storage account name	shan123456
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable large file shares	Enabled

Security

Secure transfer	Enabled
Blob anonymous access	Disabled
Allow storage account key access	Enabled
Default to Microsoft Entra authorization in the Azure portal	Disabled
Minimum TLS version	Version 1.2

Previous | Next | Create

Errors

Summary | Raw Error

ERROR DETAILS

Resource "shan123456" was disallowed by policy. (Code: RequestDisallowedByPolicy)

Policy: Require Cost Center tag with Default value

WAS THIS HELPFUL? 🗣️

Troubleshooting Options

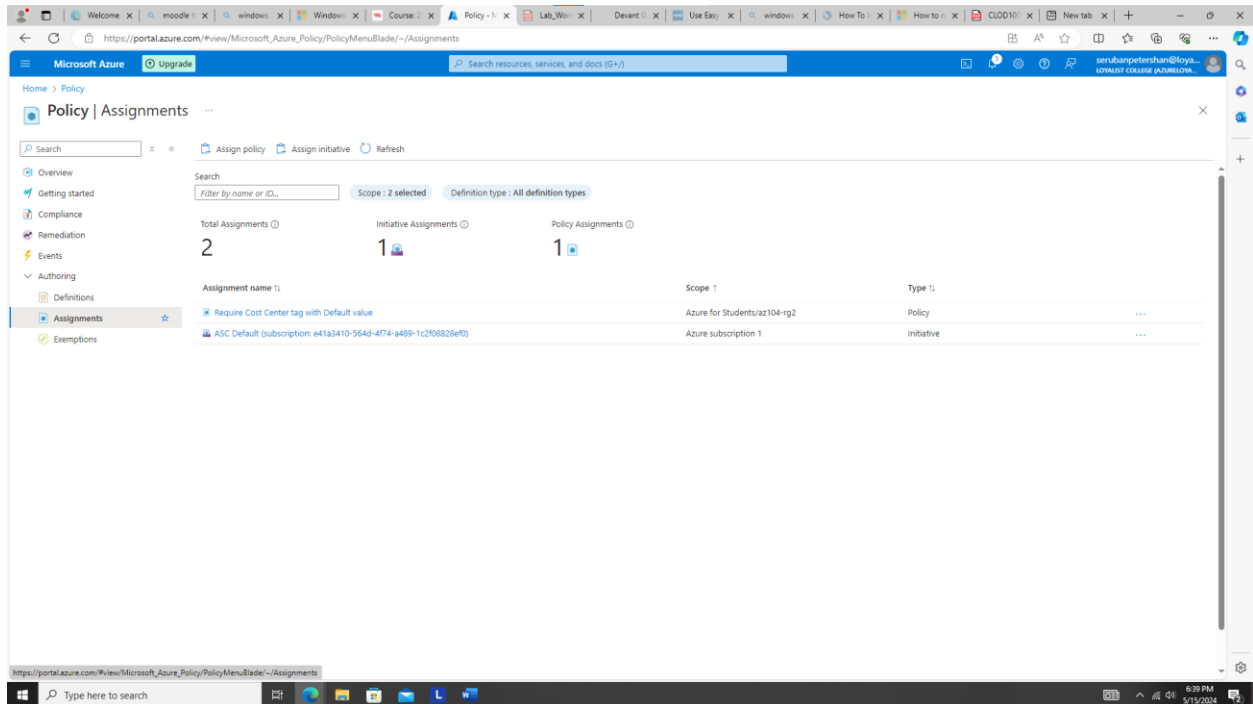
New Support Request 📄

Give Feedback

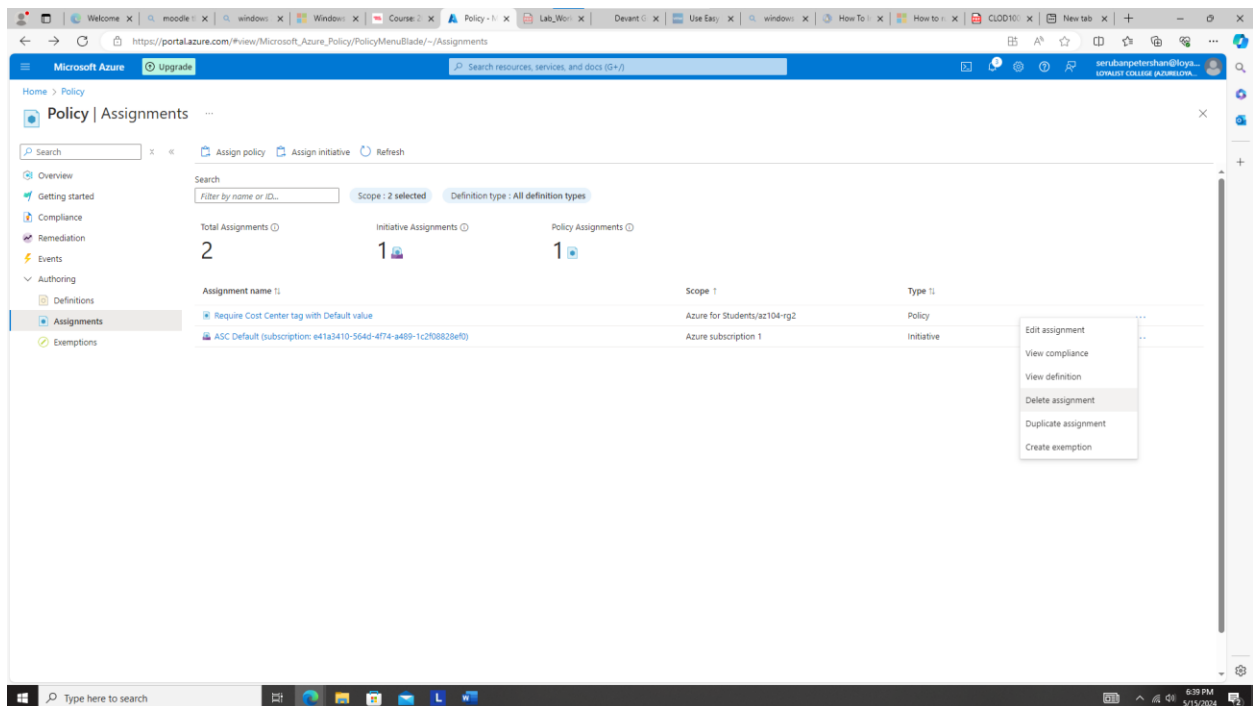
Tell us about your experience with the ARM Errors page

Created the storage account under the name **shan123456** and under **az104-rg2** and showing **Validation Error** as expected

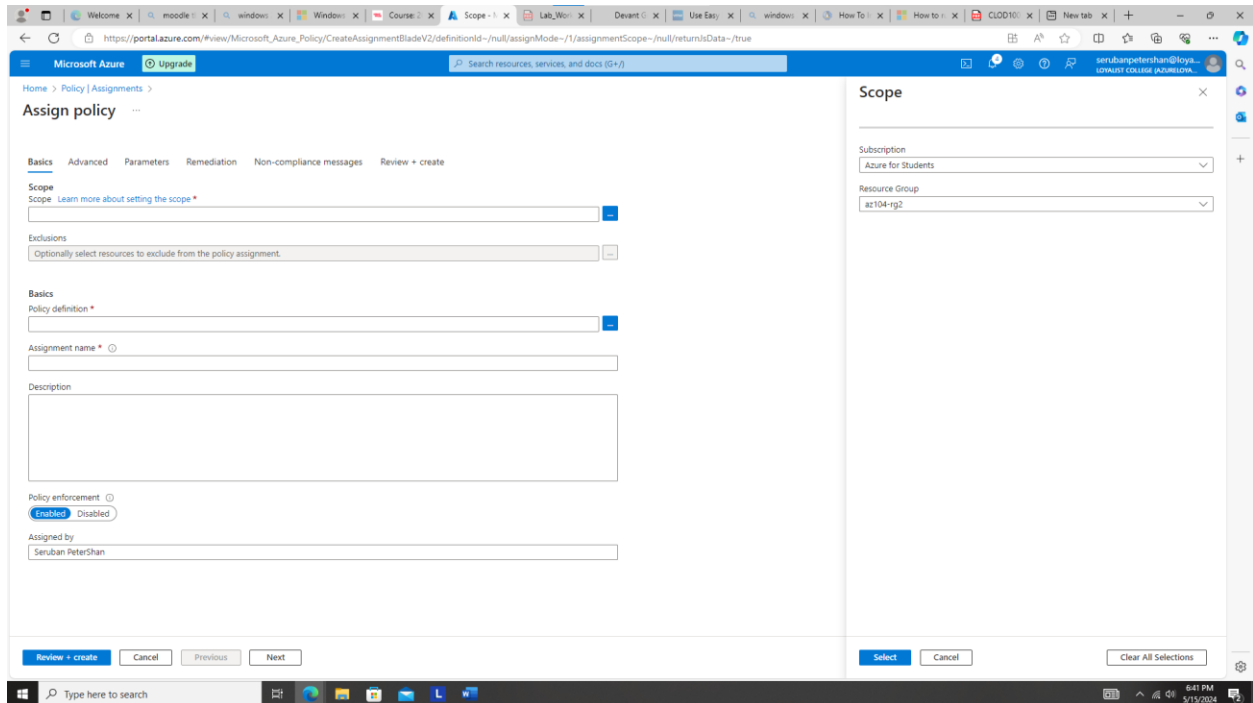
Task 3: Apply tagging via an Azure policy



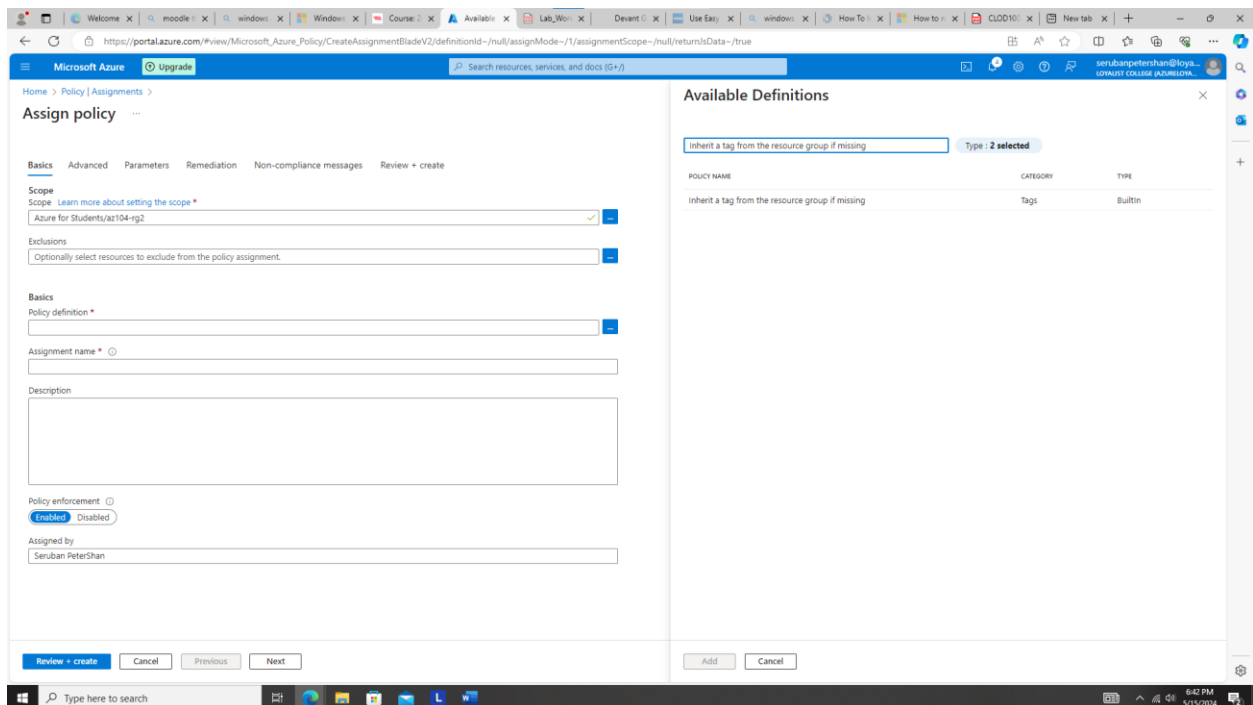
Going into **policy** and into the **Authoring** section clicked **Assignments**



Deleting Assignment policy



Creating a new **policy assignment** and adding the same scope (**your subscription/az104-rg2**)



Specify the **Policy definition**, click the ellipsis button and then search for and select **Inherit a tag from the resource group if missing**.

Home > Policy | Assignments >

Assign policy

Basics Advanced Parameters Remediation Non-compliance messages Review + create

Scope [Learn more about setting the scope *](#)

Azure for Students/act104-ng2 ✓

Exclusions

Optionally select resources to exclude from the policy assignment. ✓

Basics

Policy definition *

Inherit a tag from the resource group if missing ✓

Assignment name *

Inherit the Cost Center tag and its value 000 from the resource group if missing ✓

Description

Inherit the Cost Center tag and its value 000 from the resource group if missing

Policy enforcement

Enabled Disabled

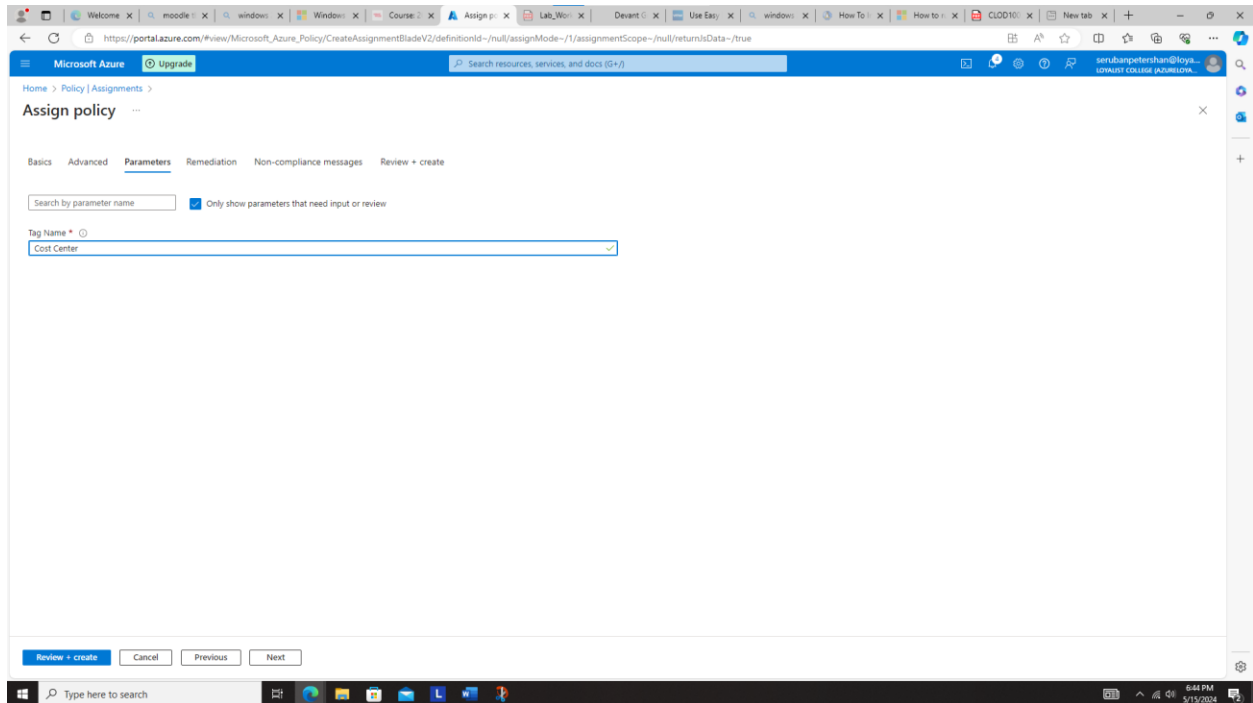
Assigned by

Seruban Petershan

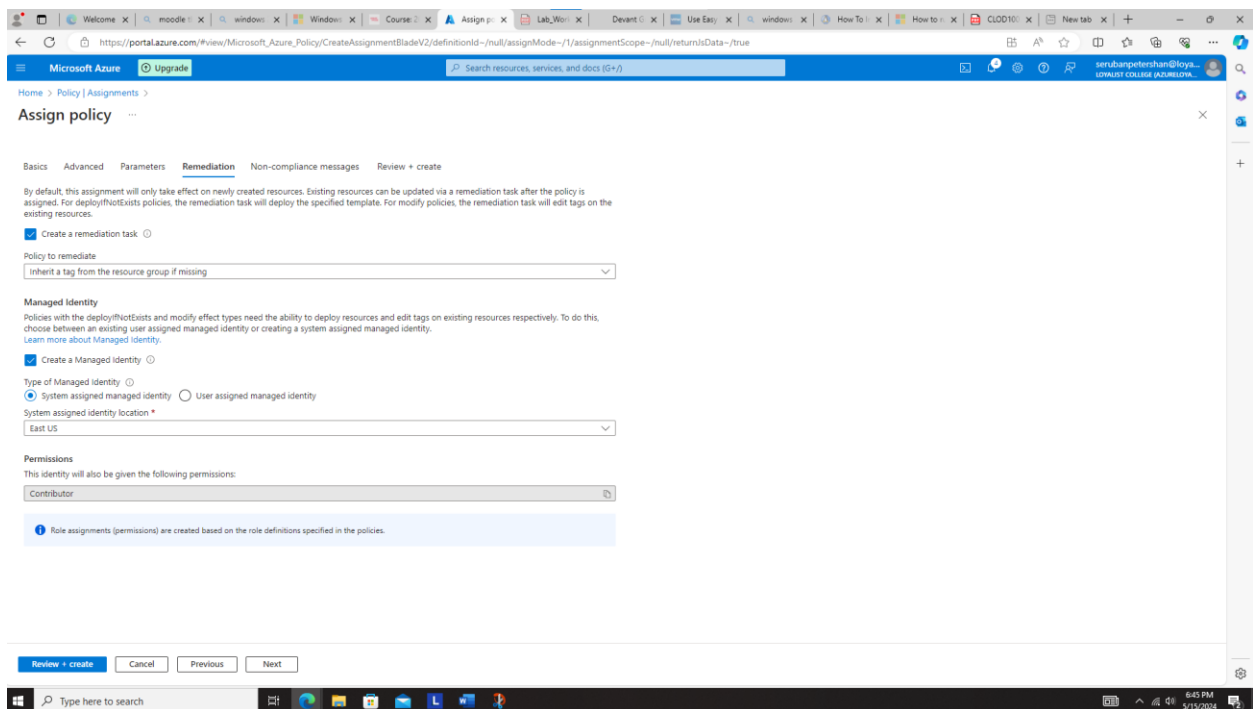
Review + create Cancel Previous Next

Adding these values as asked

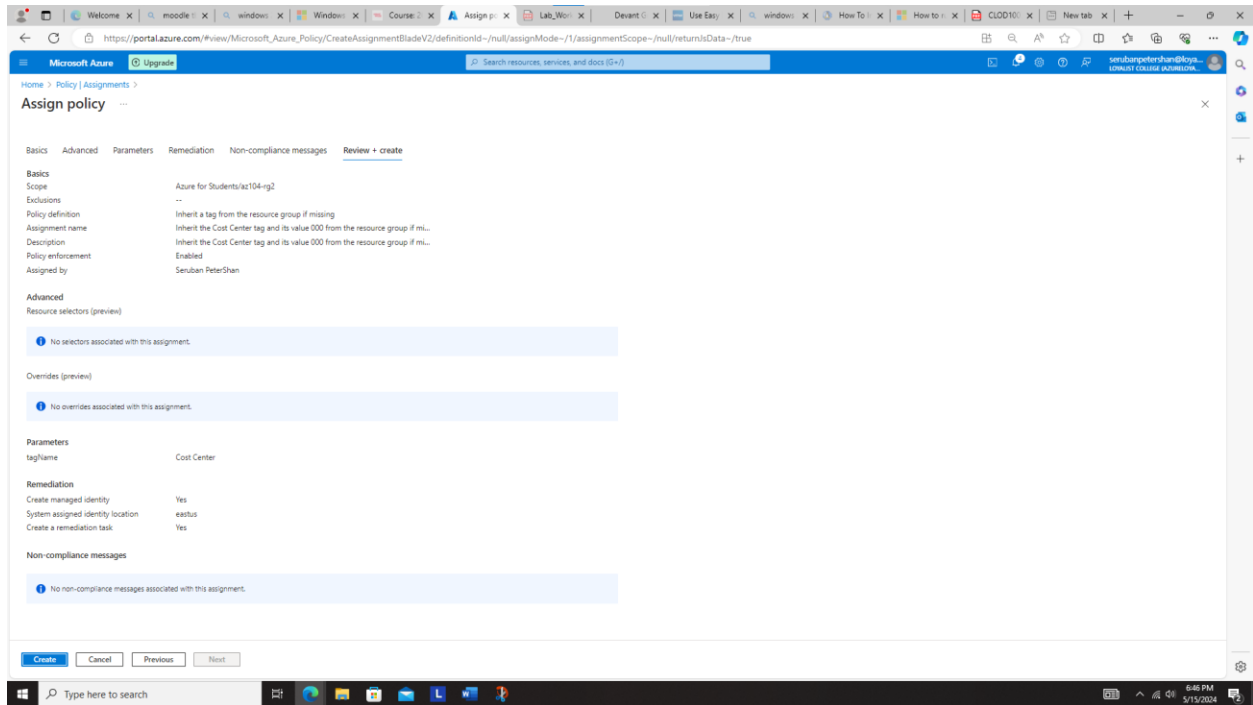
Setting	Value
Assignment name	Inherit the Cost Center tag and its value 000 from the resource group if missing
Description	Inherit the Cost Center tag and its value 000 from the resource group if missing
Policy enforcement	Enabled



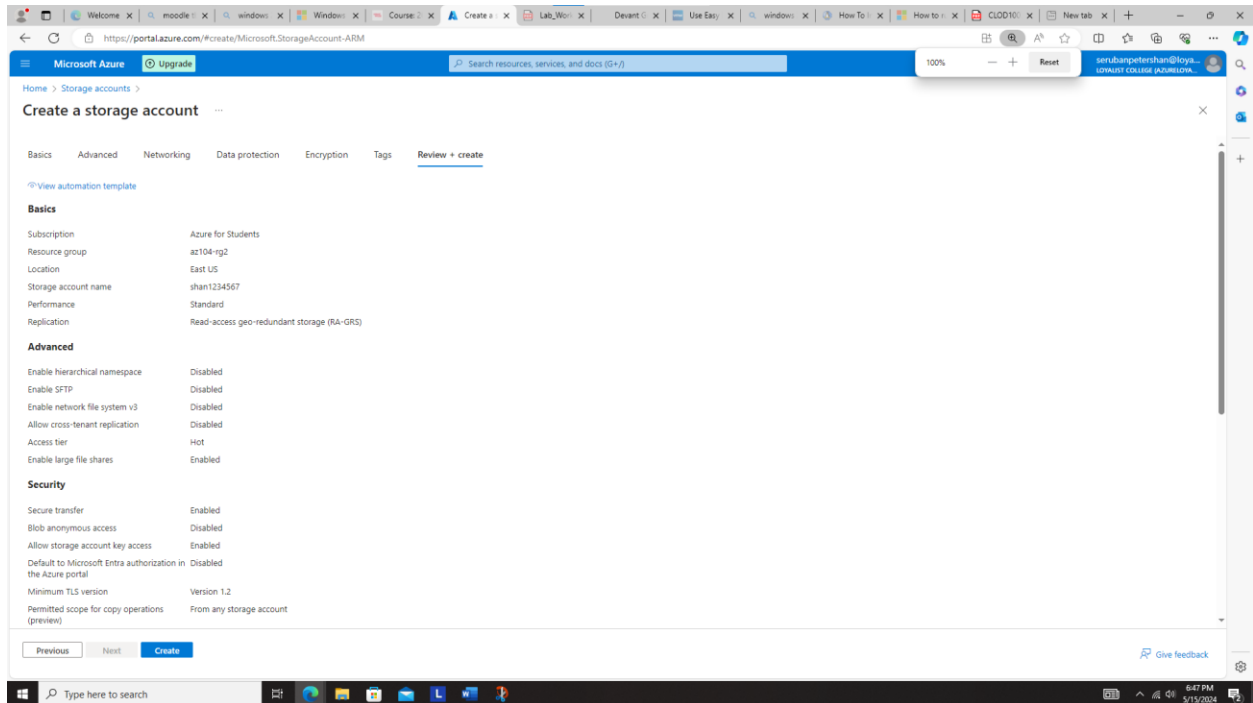
set **Parameters** to the following values: tag name **Cost Center**



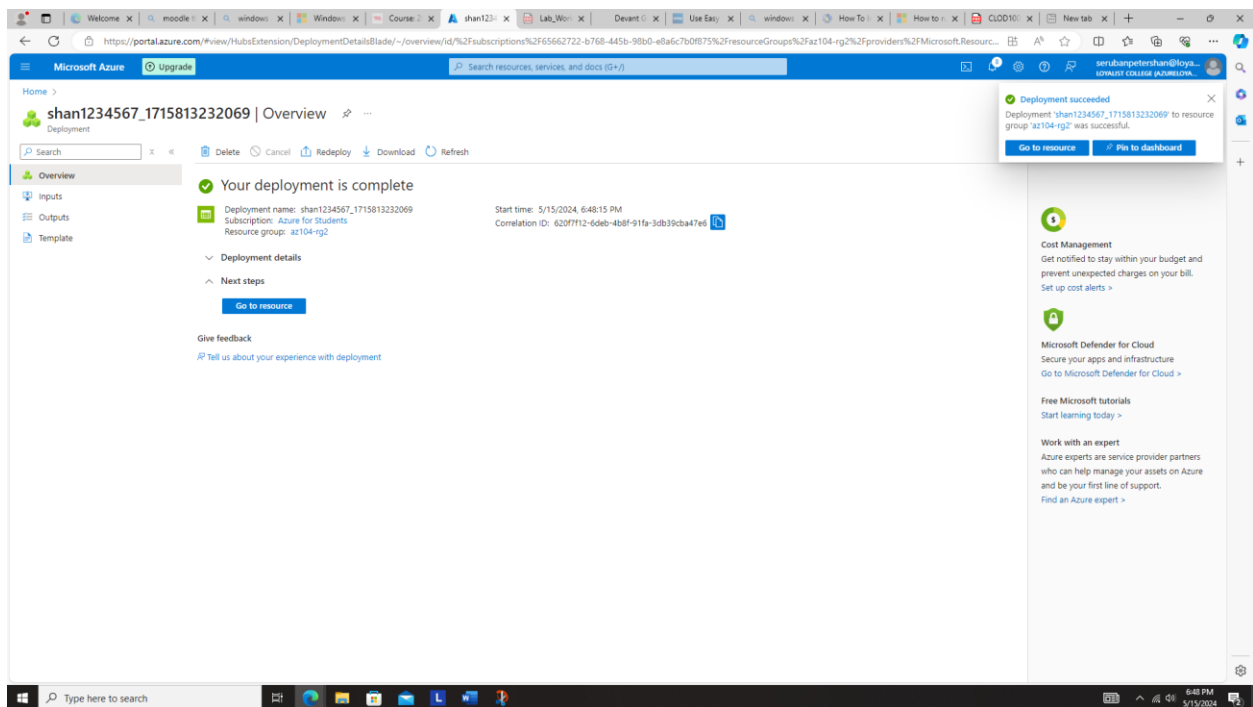
Enabled remediation task and policy to remediate Inherit a tag from the resource group if missing.



Creating policy



Creating Storage under the same subscription and resource group (**az104-rg2**) with name **Shan1234567**



Deployed Storage

Microsoft Azure portal overview for resource group **az104-rg2**.

Essentials:

- Subscription (most): [Azure for Students](#)
- Subscriptions ID: 65662722-b768-445b-98b0-e8a6c7b0f875
- Deployments: 1 [Succeeded](#)
- Location: East US
- Tags (edit): Cost Center : 000

Resources:

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 1 of 1 records. ☐ Show hidden types

Name ↑	Type ↑	Location ↑
shant1234567	Storage account	East US

Microsoft Azure portal tags configuration for storage account **shant1234567**.

Tags:

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

shant1234567 (Storage account)

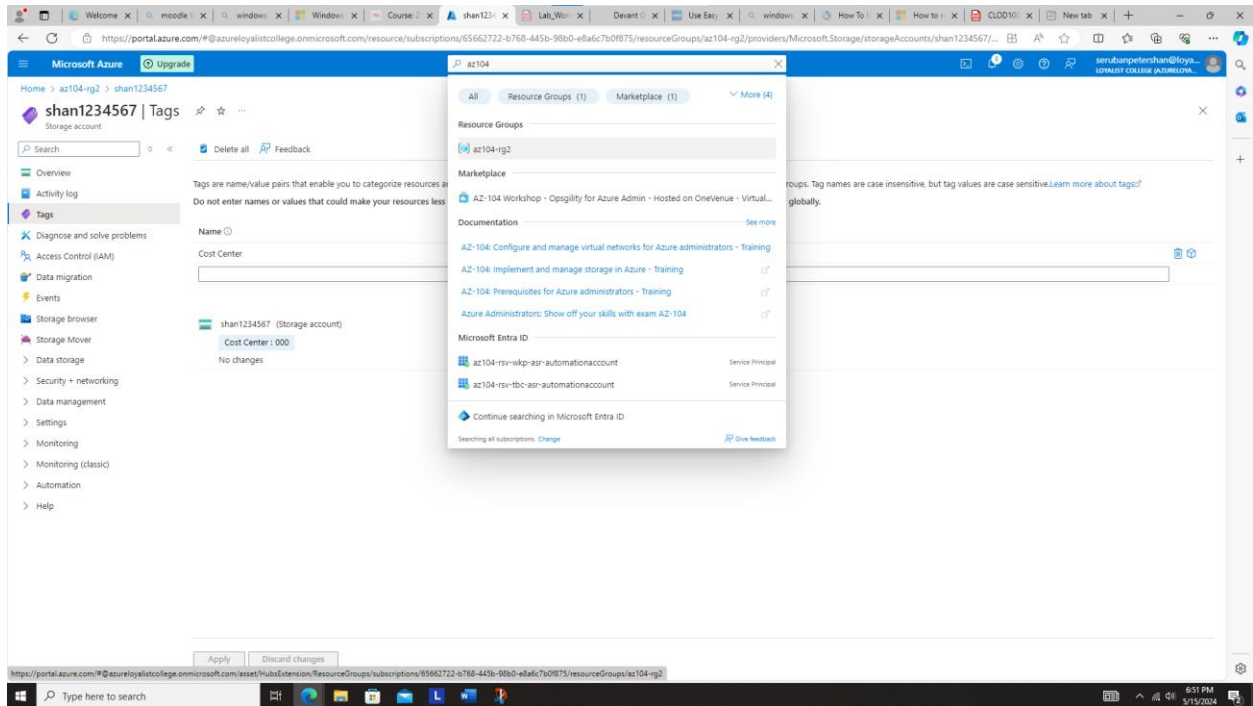
Cost Center : 000

No changes

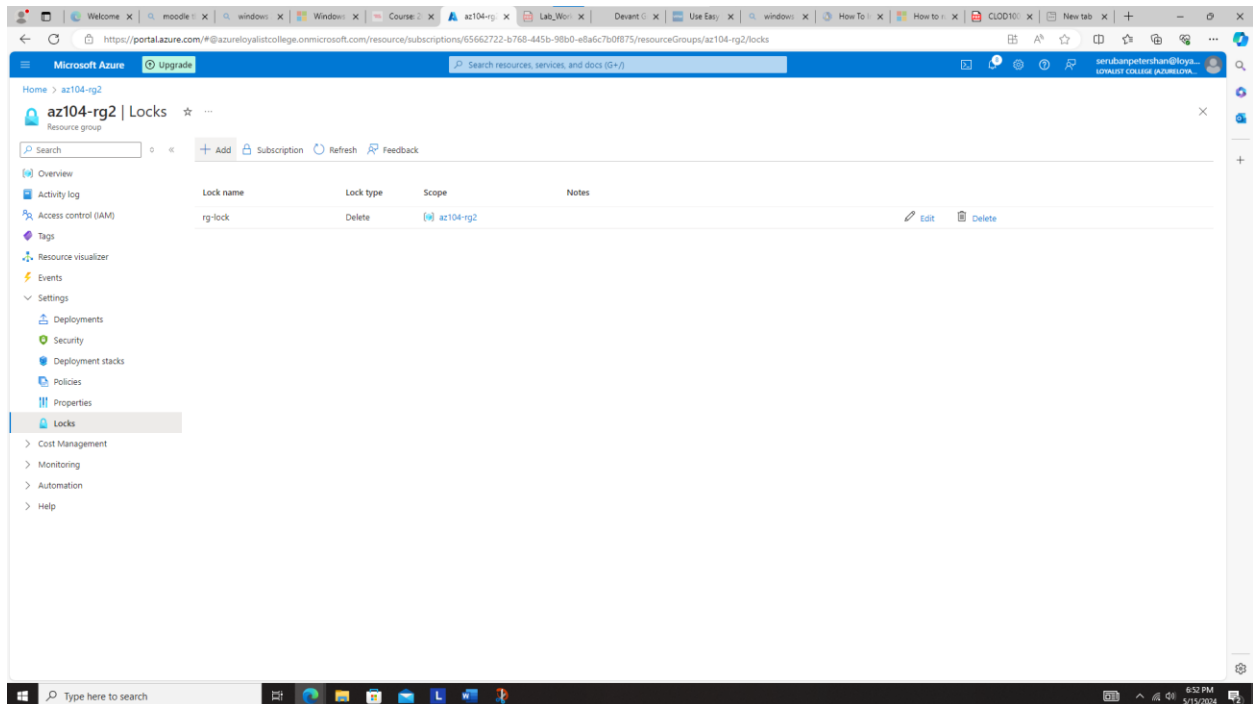
Apply Discard changes

Checking if the storage account **shant1234567** has the tag **Cost Center : 000**

Task 4: Configure and test resource locks



Searching for resource group **az104-rg2**



Creating Lock as **rg-lock** with **delete Lock Type**

Trying to delete the Resource Group and getting the error as requested

Microsoft Azure

Home > az104-rg2 > Resource group

Search resources, services, and docs (G+)

Overview

Essentials

Resources

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 1 of 1 records. Show hidden types

Name	Type
shant234567	Storage account

Enter resource group name to confirm deletion *

az104-rg2

Delete Cancel

Microsoft Azure

Home > az104-rg2 > Resource group

Search resources, services, and docs (G+)

Overview

Essentials

Resources

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 1 of 1 records. Show hidden types

Name	Type	Location
shant234567	Storage account	East US

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.

Give feedback