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Section – 7B
LAB:09

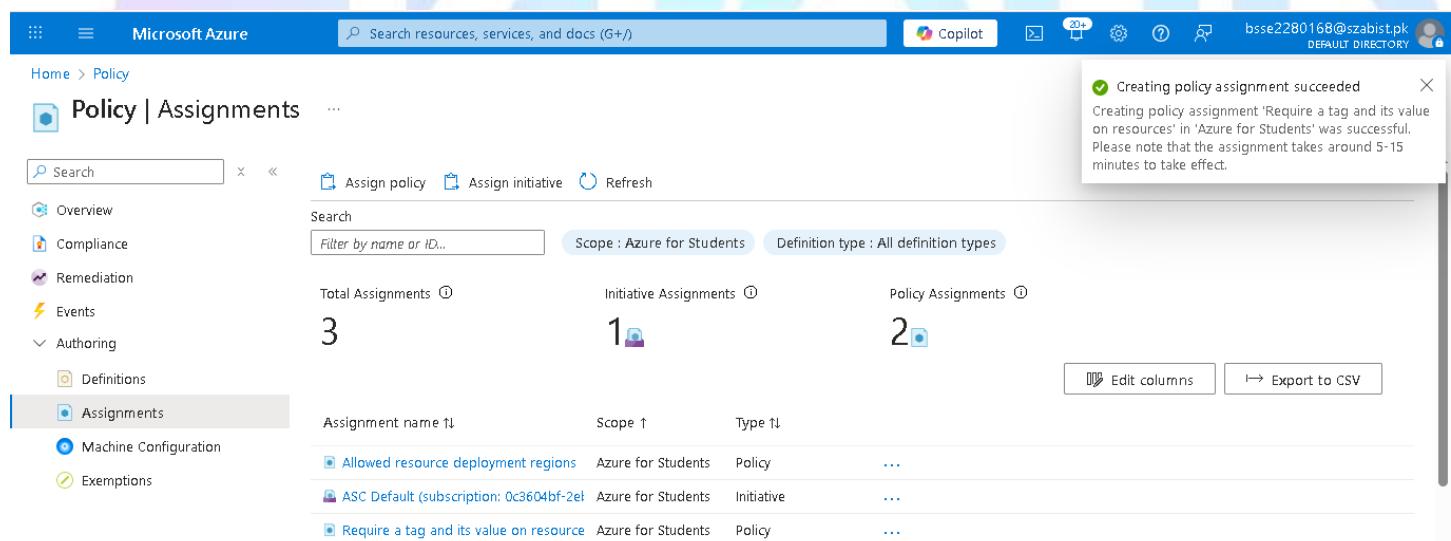
09 - Implement resource tagging (5 min)

In this walkthrough, we will create a policy assignment that requires tagging, created a storage account and test the tagging, view resources with a specified tag, and remove the tagging policy.

Task 1: Create a Policy assignment

In this task, we will configure the **Require a tag on resources** policy and assign it to our subscription.

1. Sign in to the [Azure portal](#).
2. From the **All services** blade, search for and select **Policy**.
3. Scroll down to the **Authoring** section, click **Assignments**, and then click **Assign Policy** from the top of the page.
4. Notice the **Scope** for our policy will be subscription wide.
5. Under **Basics** Select the **Policy definition** ellipsis button (right side of textbox). In the **Search** box, enter the value **tag**. A list of related Policies with the word **tag** will appear. Scroll down till you find the **Require a tag and its value on resources** definition, click on it and click **Select**.



The screenshot shows the Microsoft Azure Policy | Assignments blade. On the left, there's a navigation menu with items like Overview, Compliance, Remediation, Events, and Authoring (which is expanded to show Definitions, Assignments, Machine Configuration, and Exemptions). The main area displays three counts: Total Assignments (3), Initiative Assignments (1), and Policy Assignments (2). Below these counts is a table with three rows of data. The first row has columns for Assignment name (Allowed resource deployment regions), Scope (Azure for Students), and Type (Policy). The second row has columns for ASC Default (subscription: 0c3604bf-2e1) and Type (Initiative). The third row has columns for Require a tag and its value on resource and Type (Policy). To the right of the table are buttons for Edit columns and Export to CSV. A success message box is visible on the right side of the screen, stating "Creating policy assignment succeeded" and providing a note about the assignment taking 5-15 minutes to take effect.

Assignment name	Scope	Type
Allowed resource deployment regions	Azure for Students	Policy
ASC Default (subscription: 0c3604bf-2e1)	Azure for Students	Initiative
Require a tag and its value on resource	Azure for Students	Policy

6. On the **Parameters** tab, type in **Company : Contoso **** for the tag key/value pair name. Click **Review + create**, and then **Create**.
7. The **Require a tag and its value on resources** policy assignment is now in place. When a resource is created, it must include a tag with the Company : Contoso key. **Note - you need to wait up to 30 minutes for the Policy to be applied.**

Task 2: Create a storage account to test the required tagging

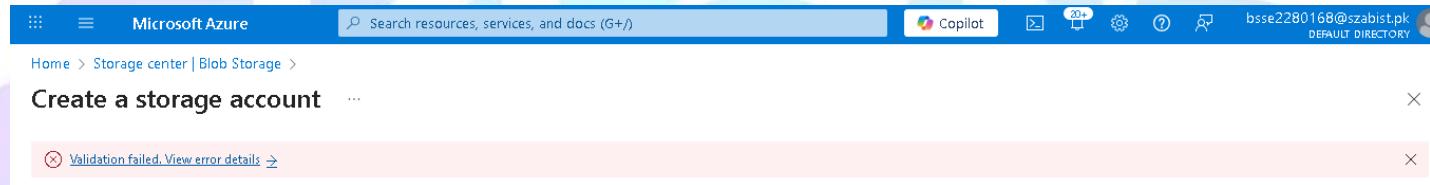
In this task, we will create storage accounts to test the required tagging.

1. In the Azure Portal, from the **All services** blade, search for and select **Storage accounts**, and then click **+Add +New +Create**.
2. On the **Basics** tab of the **Create storage account** blade, fill in the following information (replace **xxxx** in the name of the storage account with letters and digits such that the name is globally unique). Leave the defaults for everything else.

Setting	Value
Subscription	Use default provided
Resource group	Create new resource group
Storage account name	storageaccountxxxx
Location	(US) East US

3. Click **Review + create**.

Note: We are testing to see what happens when the tag is not supplied. Please note, it can take up to 30 minutes for Policies to take effect.



4. You will receive a Validation failed message. Click the **Click here to view details** message. On the **Errors** blade, on the **Summary** tab note the error message stating that resource was disallowed by Policy.

Note: If you view the Raw Error tab you will see the specific tag name that is required.

Errors



[Summary](#) [Raw Error](#)

[Copy Full Error](#)

ERROR VIEW

Resource 'storageaccount1195' was disallowed by policy. (Code: RequestDisallowedByPolicy, Policy(s): Require a 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



PATHFINDER

5. Close the **Error** pane and click **Previous** (bottom of the screen). Provide the tagging information.

Setting Value

Tag name **Company:Contoso** (may not be in the drop-down list)

6. Click **Review + create** and verify that the validation was successful. Click **Create** to deploy the storage account.

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Home > Storage center | Blob Storage >

Create a storage account

File share soft delete Enabled

File share retention period in days 7

Versioning Disabled

Blob change feed Disabled

Version-level immutability support Disabled

Encryption

Encryption type Microsoft-managed keys (MMK)

Enable support for customer-managed keys Blobs and files only

Enable infrastructure encryption Disabled

Tags

Contoso Contoso (Storage account)

Contoso Contoso (Virtual network)

Contoso Contoso (Private endpoint)

Previous Next Create Give feedback

7.

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Home >

storageaccount1195_1762529343610 | Overview

Your deployment is complete

Deployment name: storageaccount1195_1762529343610 Start time: 11/7/2025, 6:29:57 AM
Subscription: Azure for Students Correlation ID: 24cd581-2ff5-4538-a9e3-9ca96b5c7894

Deployment details

Next steps Go to resource

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Microsoft Defender for Cloud
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8.

Task 3: View all resources with a specific tag

1. In the Azure Portal, from the All services blade, search for and select Tags.
2. Note all tags and their values. Click the **Company : Contoso** key/value pair. This will display a blade showing the newly created storage account, as long as you included the tag during its deployment.

Resource Manager | Tags

Default Directory

Search Refresh 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](#)

Subscriptions: Azure for Students

Filter items...

Tags ↑↓

Contoso : Contoso

3. In the Portal, display the **All resources** blade.
4. Click **Add filter** and add the **Company** tag key as the filter category. With the filter applied, only your storage account will be listed.

Resource Manager | All resources

Default Directory

Create Manage view Refresh Export to CSV Open query Assign tags Delete

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 Type equals all Location equals all Add filter

Name	Value
Name	Name
key	Resource Group
my	Type
Ne	Kind
Sin	Location
Sin	Edge zone
Tags	Tags
Contoso	Contoso

Filter results

Filter: Select options

Operator: Equals

Value: Search values

No results

Apply Cancel

5.

Task 4: Delete the policy assignment

Success

Successfully deleted assignment

Successfully deleted 'Require a tag and its value on resources' from 'Azure for Students'. Please note that the change takes around 30 minutes to take effect.

In this task, we will remove the **Require a tag on resources** policy so it does not affect our future work.

1. In the portal, from the **All services** blade, search for and select **Policy**.
2. Click the **Require a tag on resources** policy entry.
3. Click **Delete Assignment** in the top menu.
4. Confirm you wish to delete the policy assignment in the **Delete assignment** dialogue by clicking **Yes**
5. If you have time, create another resource without a tag to ensure the policy is no longer in effect.

Congratulations! In this walkthrough, we created a policy assignment that required tagging, created a resource (storage account) and tested the Policy for tagging, viewed resources with a specified tag, and removed the tagging policy.

Note: To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.

