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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 portal interface for the 'Policy | Assignments' section. The left sidebar contains navigation links: Overview, Compliance, Remediation, Events, Authoring (Definitions, Assignments, Machine Configuration, Exemptions), and a search bar. The main content area displays a search bar with the text 'Filter by name or ID...', and filters for 'Scope: Azure for Students' and 'Definition type: All definition types'. Below the filters, there are three summary cards: 'Total Assignments' (3), 'Initiative Assignments' (1), and 'Policy Assignments' (2). A table lists the assignments with columns for 'Assignment name', 'Scope', and 'Type'. The table shows three rows: 'Allowed resource deployment regions' (Policy), 'ASC Default (subscription: 0c3604bf-2e1)' (Initiative), and 'Require a tag and its value on resource' (Policy). A notification at the top right states 'Creating policy assignment succeeded'.

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

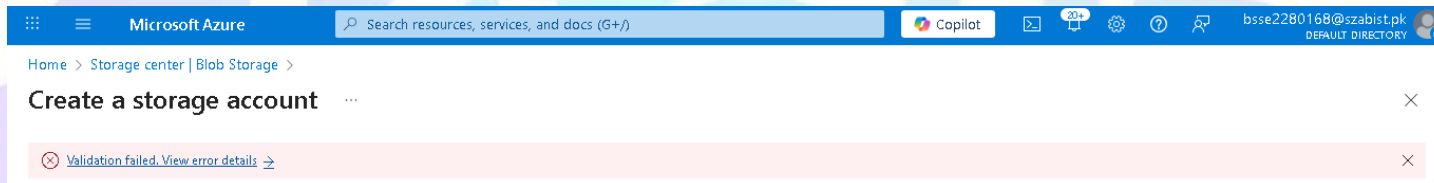
In this task, we will create storage accounts to test the required tagging.

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](#))

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Give Feedback

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

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

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name: storageaccount1195_1762529343... Start time: 11/7/2025, 6:29:57 AM
Subscription: [Azure for Students](#) Correlation ID: 24dcd581-2ff5-4538-a9e3-9ca96b5c7894
Resource group: [CloudComputing](#)

Deployment details

Next steps

Go to resource

Give feedback

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Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill.
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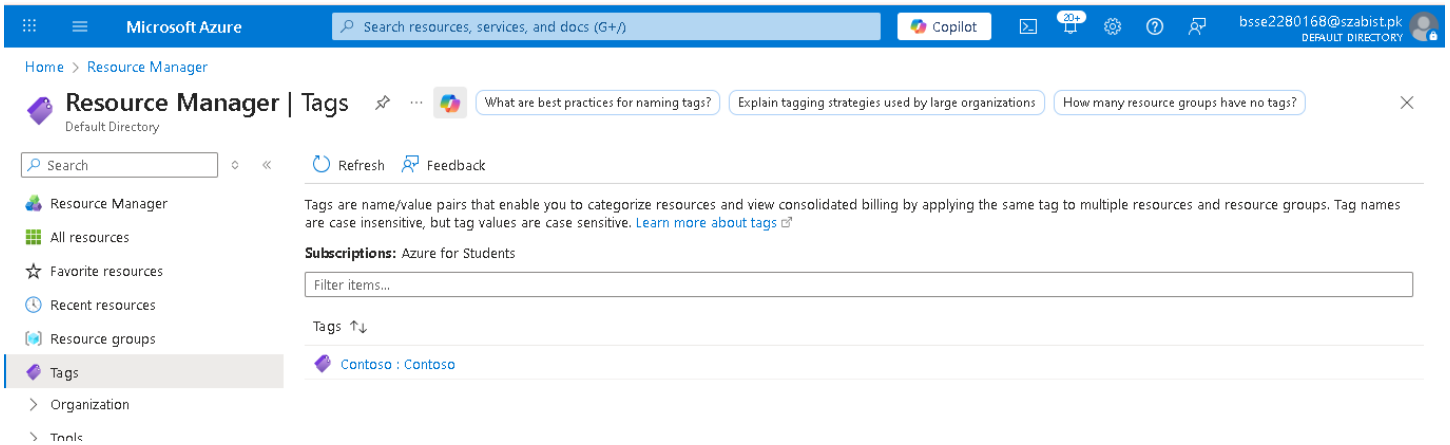
Microsoft Defender for Cloud

Secure your apps and infrastructure

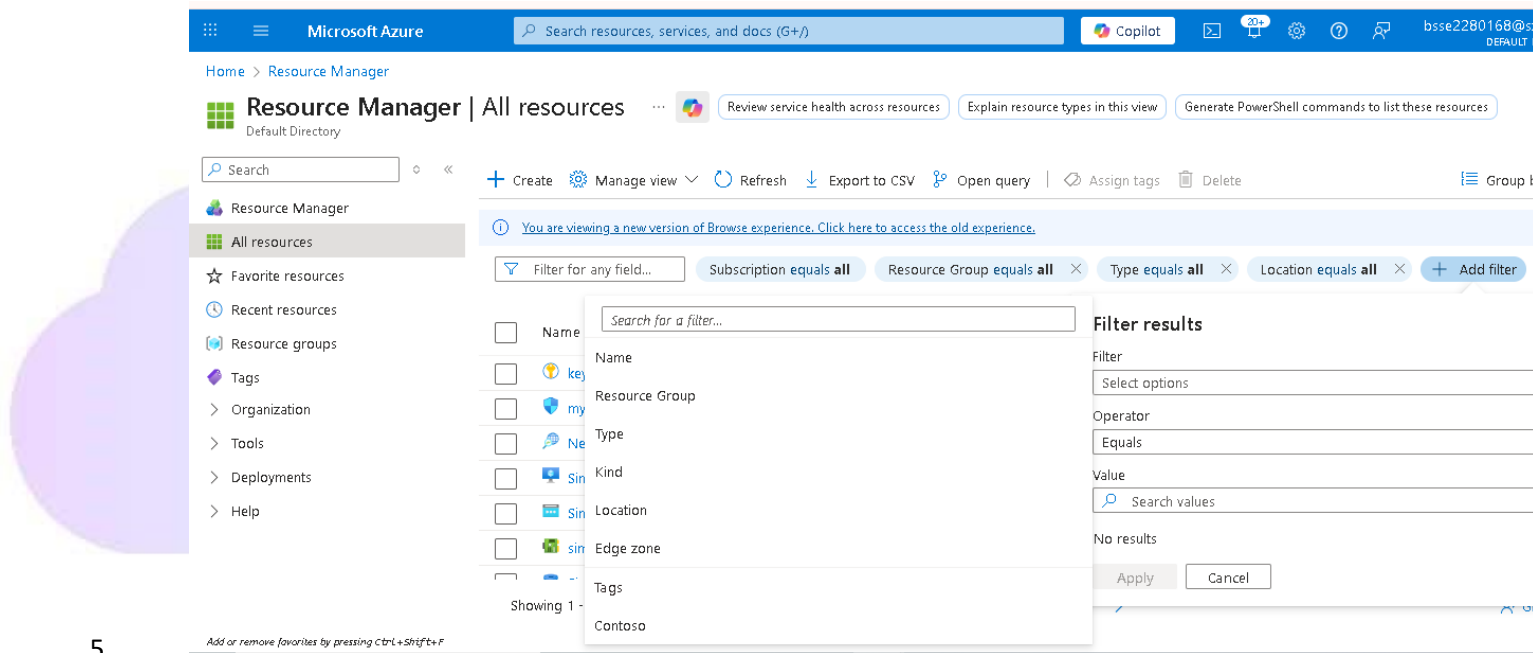
8.

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.

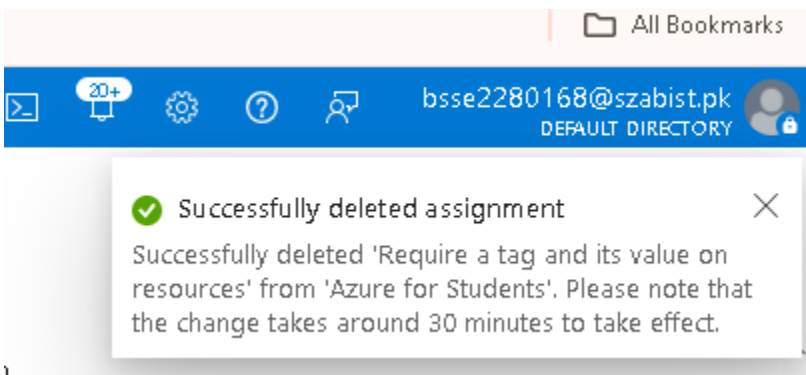


3. In the Portal, display the **All resources** blade.
4. Click **Add filter** and add the **Company** tag key as the filter category. With the filter applied, only your storage account will be listed.



5. Add or remove favorites by pressing Ctrl+Shift+F

Task 4: Delete the policy assignment



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.

