

Shaheed Zulfikar Ali Bhutto Institute of Science and Technology

Department of Software Engineering

Bisma Saeed – 2280108

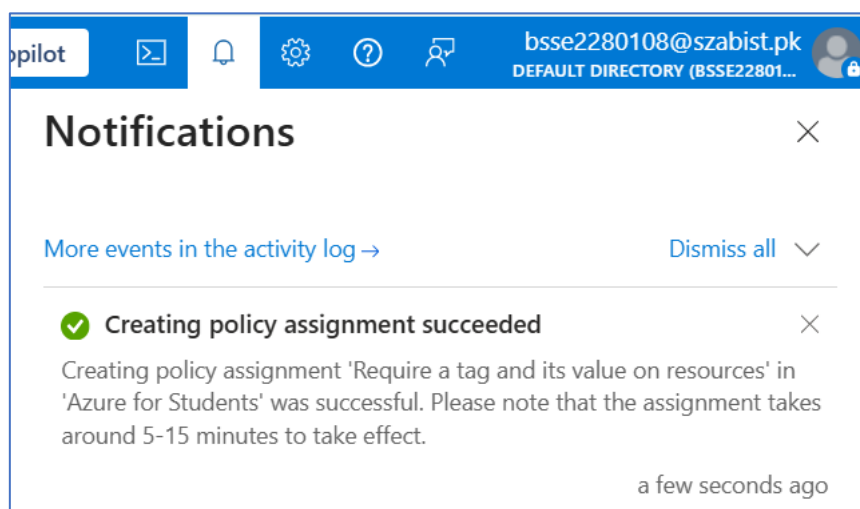
BSSE – 7A

Lab: 09

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.
6. On the Parameters tab, type in Company : Contoso ** for the tag key/value pair name. Click **Review + create, and then Create.



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.
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.

Microsoft Azure

Search resources, services, and docs (G+)

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All services > Storage center | Storage accounts (Blobs) >

Create a storage account

Validation failed. Required information is missing or not valid.

Basics Advanced Networking Data protection Encryption Tags Review + create

Basics

Subscription	Azure for Students
Resource group	RG_lab9
Location	Central India
Storage account name	storageaccountbisma12
Preferred storage type	
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network default security	Disabled

Previous Next Create

Give feedback

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

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

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All services > Storage center | Storage accounts (Blobs) >

Create a storage account

Container soft delete	Enabled
Container retainment period in days	7
File share soft delete	Enabled
File share retainment 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

Company	Contoso (Storage account)
Company	Contoso (Virtual network)
Company	Contoso (Private endpoint)

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Notifications

[More events in the activity log →](#) [Dismiss all](#) ▾

✓ **Deployment succeeded** ✕

Deployment 'storageaccountbisma12_1761628616379' to resource group 'RG_lab9' was successful.

[Go to resource](#) [Pin to dashboard](#)

2 minutes ago

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.

The screenshot shows the Azure Portal interface. On the left, the 'Tags' blade is open, displaying a list of tags. The 'Company : Contoso' tag is selected. The main area shows the 'Resources with tag Company : Contoso' blade. This blade has a search bar and filters for 'Subscription equals all' and 'Type equals all'. Below the filters, there are tabs for 'Unsecure resources', 'Recommendations', and 'Changed resources'. A table lists the resources, with columns for Name, Type, Resource group, Location, and Subscription. The table shows one resource: 'storageaccountbisma12' of type 'Storage account' in the 'RG_lab9' resource group, located in 'Central India'.

Name	Type	Resource group	Location	Subscription
storageaccountbisma12	Storage account	RG_lab9	Central India	Azure for Students

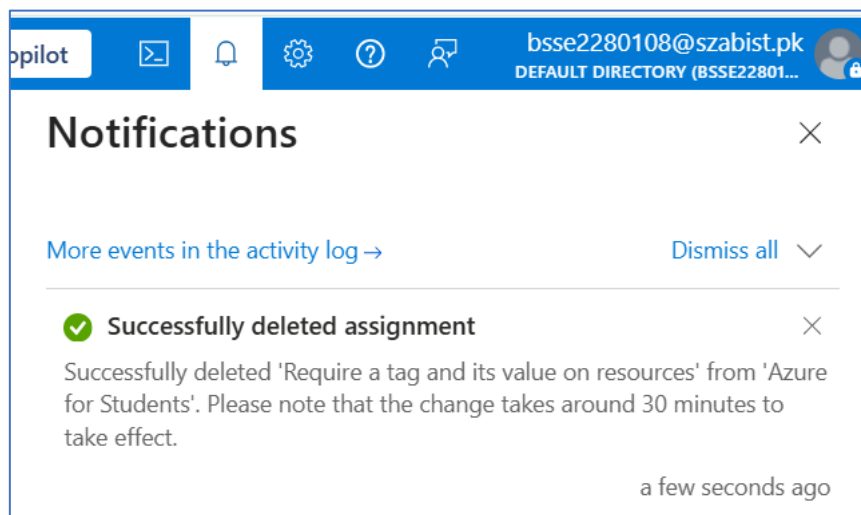
3. In the Portal, display the All resources blade.
4. Click Add filter and add the Company tag key as the filter category. With the filter applied, only your storage account will be listed.

The screenshot shows the 'Filter results' dialog box in the Azure Portal. The dialog box has a 'Filter' dropdown set to 'Company', an 'Operator' dropdown set to 'Equals', and a 'Value' field. Below the 'Value' field, there are two checkboxes: 'All' and 'Contoso (1)'. The 'All' checkbox is selected. At the bottom of the dialog box, there are 'Apply' and 'Cancel' buttons.

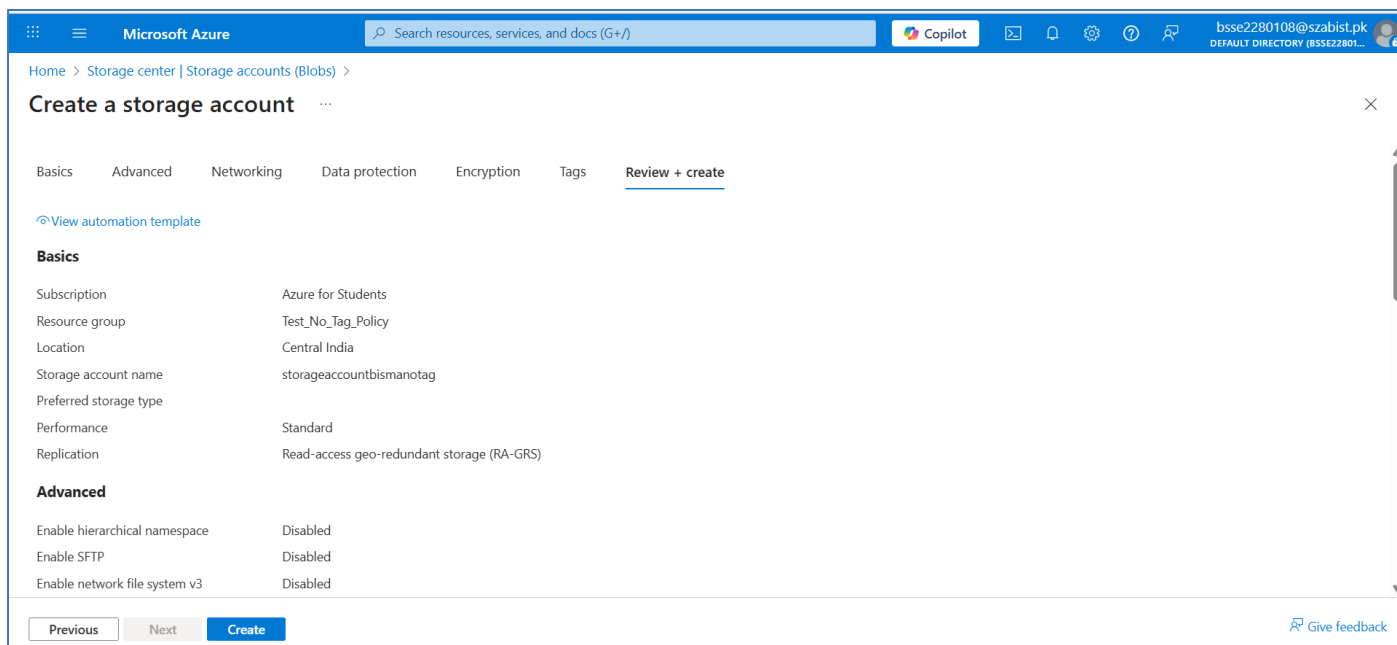
Task 4: Delete the policy assignment

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.