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Lab 9

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.
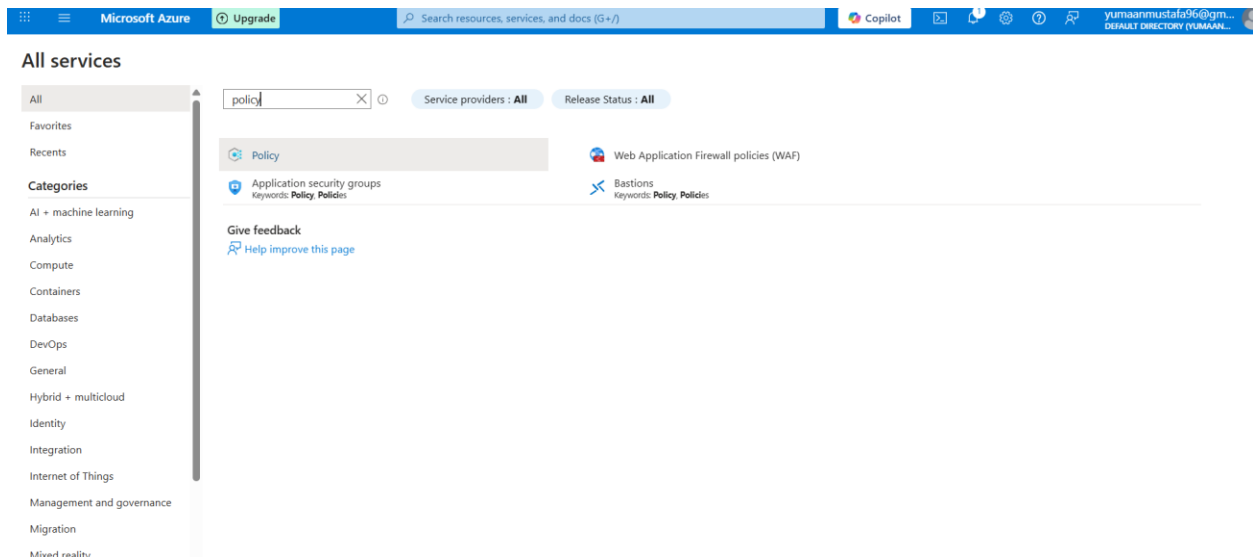
3. Scroll down to the Authoring section, click Assignments, and then click Assign Policy from the top of the page.

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.

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

Scope

Scope *
> Azure subscription 1

Learn more about setting the scope ↗

Exclusions
> *Optionally select resources to exclude from the policy assignment.*

Resource selectors (Expand)
Using resource selectors, you can further refine this assignment's applicability by targeting specific subsets of resources. Expand to learn more.

Basics

Policy definition *
> Require a tag and its value on resources

Version (preview) *
> 1.*.*

Overrides (Expand)
Using overrides, you can change the effects or referenced versions of definitions for all or a subset of resources evaluated by this assignment. Expand to learn more.

Assignment name * ⓘ
> Require a tag and its value on resources

Description

7. The Require a tag amd 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 Subscription Resource group Value Use default provided 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.

Create a storage account ...

Basics   Advanced   Networking   Data protection   Encryption   ⊗ Tags   **Review + create**

Basics

Subscription	Azure subscription 1
Resource group	Lab9
Location	UAE North
Storage account name	storageaccount331
Preferred storage type	
Performance	Standard
Replication	Locally-redundant storage (LRS)

Advanced

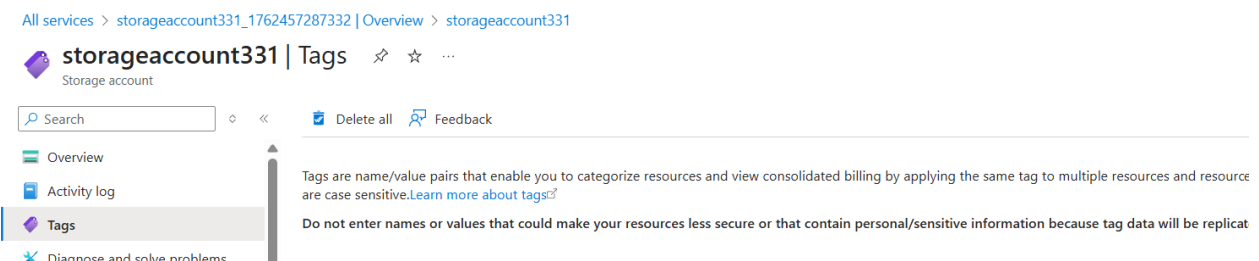|	
Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot

[Previous] [Next] [Create]

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.

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.

All services > storageaccount331_1762457287332 | Overview > storageaccount331

🏷️ **storageaccount331** | Tags 📌 ☆ ...
Storage account

🔍 Search   ✔️ Delete all   📝 Feedback

▦ Overview
▣ Activity log
🏷️ 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 are case sensitive.Learn more about tags☐
🛠️ Diagnose and solve problems   Do not enter names or values that could make your resources less secure or that contain personal/sensitive information because tag data will be replicat

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.

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.