Implement resource tagging

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

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

1. From the **All services** blade, search for and select **Policy**.

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

3. Click the **...** elipses next to next to **Scope**.

4. Then in the scope blade, in the **Resource Group** drop down menu select the name of your resource group (myResourceGroup-UC8UKV95OY for example) and then click Select.

5. Under **Basics** Select the **Policy definition** 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 to find the **Require a tag on resources** definition, click on it and click **Select**.
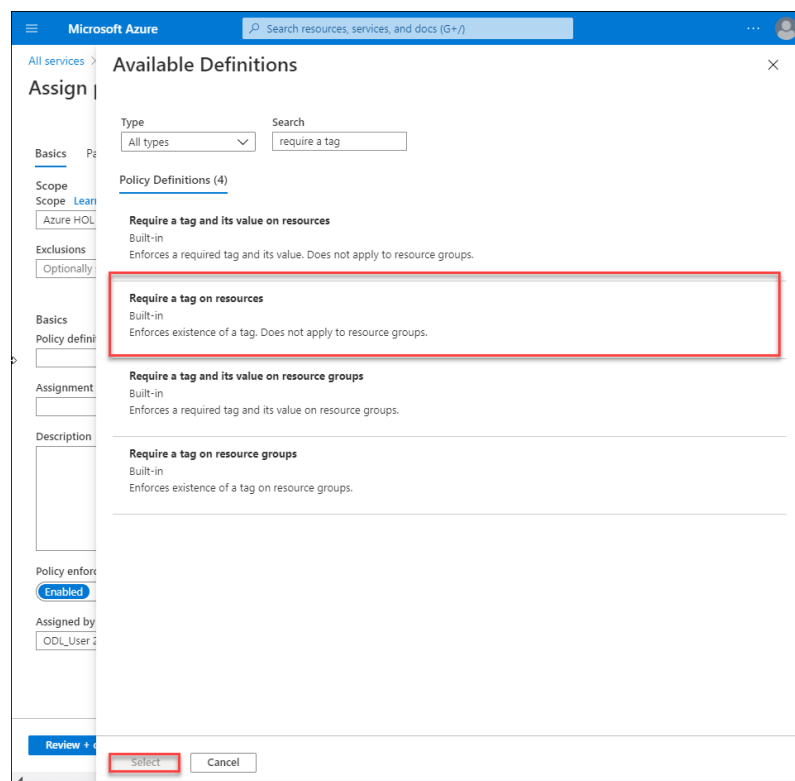
6.   On the **Parameters** tab, type in Company for the tag key name. Click **Review + create**, and then **Create**.

7.   The **Require a tag** on resources policy assignment is now in place. When a resource is created, it must include a tag with the Company Key.

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	CloudShare5
Resource group	myResourceGroup-UC8UKV95OY
Storage account name	storageaccountxxxx
Region	(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 the detailed message. On the Errors blade, on the Summary tab note the error message stating that resource was disallowed by Policy.

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.

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.
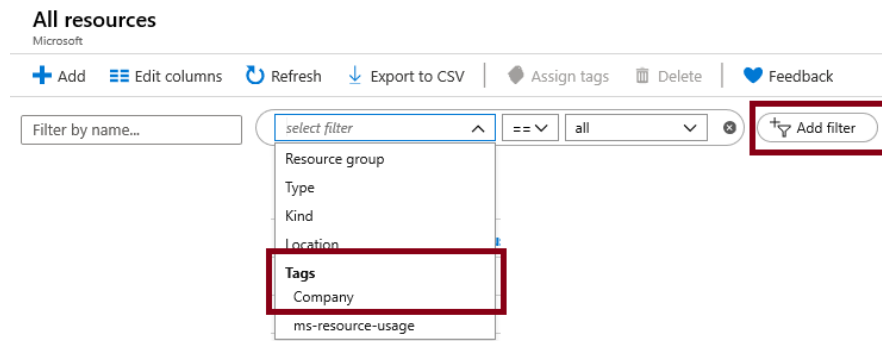
Delete the policy assignment

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 the **…**Eclipse next to Create Exemption then 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.