# 16 - Implement resource tagging

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 (5 min)

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. Select the **Policy definition** ellipsis button (end of the textbox on the right). **Search** for policy definitions including the value **tag**, in the result set, click on the **Require a tag on resources** definition, then click **Select**.
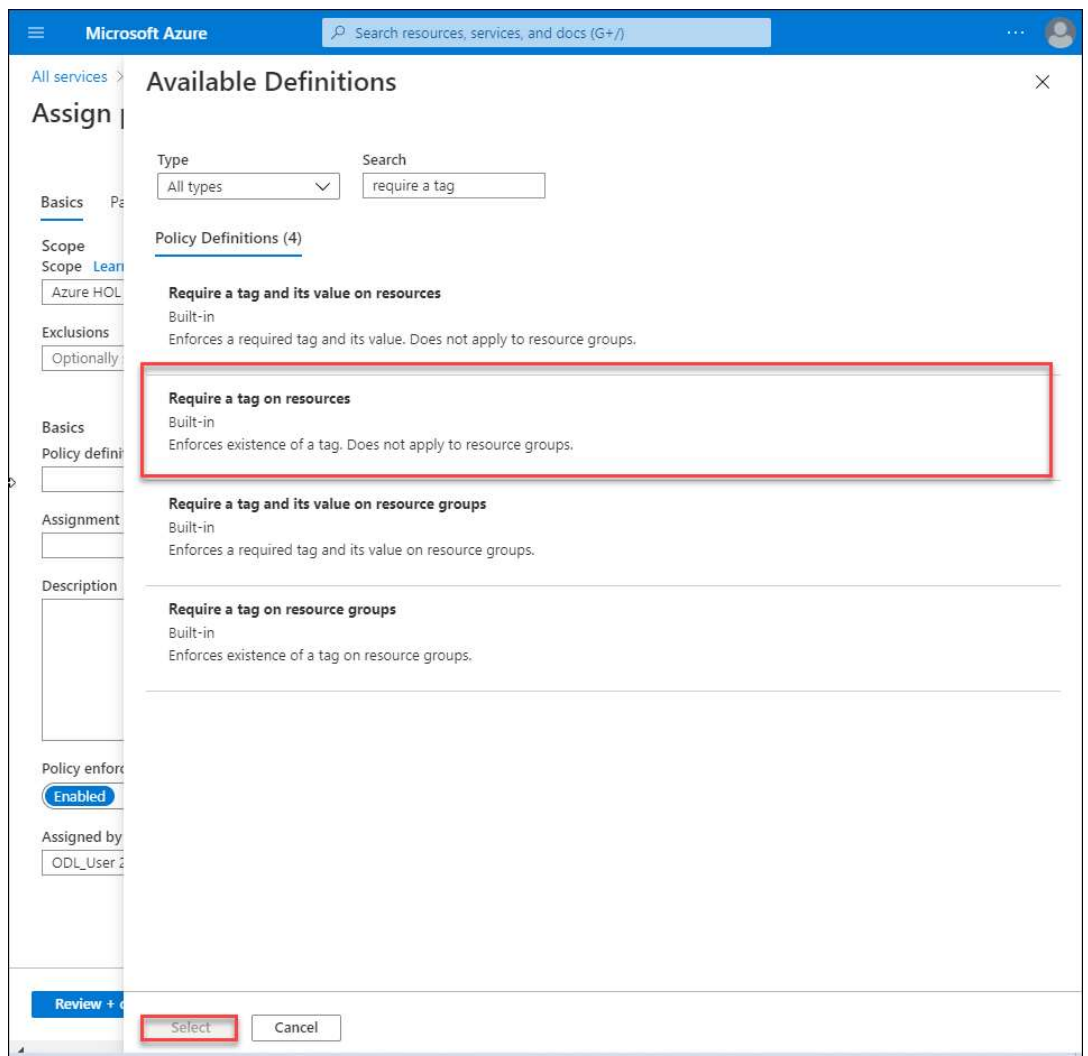


6. On the **Assign policy** blade, in the **Parameters** tab, type in **Company** for the tag name. Click **Review + create**, and then **Create**.

   **Note:** This is a simple example to demonstrate tagging. Please note that the assignment takes around 30 minutes to take effect.

## Assign policy

**Basics**   **Parameters**   Remediation   Review + create

Specify parameters for this policy assignment.

Tag Name * ⓘ

| Company | ✓ |
|---------|---|

**Review + create**   Cancel   Previous   Next

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.

Home > Policy - Assignments

### Policy - Assignments

⤷ Assign initiative   ⤷ Assign policy   ↻ Refresh

| Scope | Definition type | Search | Category |
|-------|-----------------|--------|----------|
| Azure Pass - Spons... [...] | All definition types ⌄ | Filter by name or id... | All categories ⌄ |

| Total Assignments ⓘ | Initiative Assignments ⓘ | Policy Assignments ⓘ |
|---------------------|--------------------------|----------------------|
| **2** | **1** 👤 | **1** 🔘 |

| name | ↑↓ | Scope | ↑↓ | Type | ↑↓ | Policies | ↑↓ | Category |
|------|----|-------|----|------|----|----------|----|----------|
| 🔘 Require a tag on resources | | Azure Pass - Sponsorship | | Policy | | 1 | | Tags |

# 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**.

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 your subscription** |
| Resource group | **myRGTags** (new) |
| 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.

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.

**Note - you need to wait 30 minutes for tagging to be complete.**

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

| Setting | Value |
|---|---|
| Tag name | **Company** (may not be in the drop-down list) |
| Tag value | **Contoso** |

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.

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.

In this walkthrough, we created a policy assignment that required tagging, created a storage account and tested the tagging, viewed resources with a specified tag, and removed the tagging policy.

**Note**: To avoid additional costs, you can 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.