

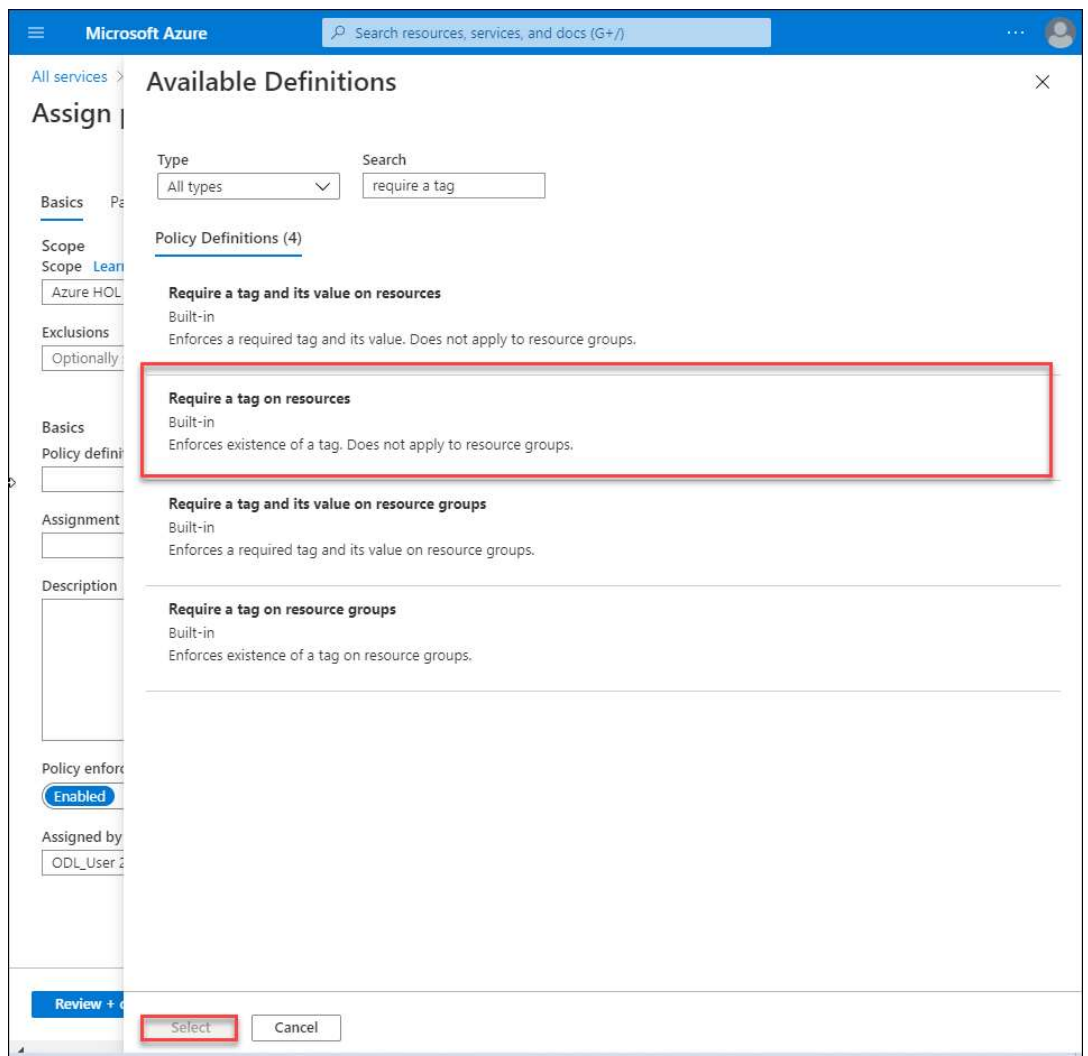
# 16 - Implement resource tagging

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: Azure Pass - Spons... Definition type: All definition types Search: Filter by name or id... Category: All categories

Total Assignments ⓘ: 2 Initiative Assignments ⓘ: 1 Policy Assignments ⓘ: 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.

Home > New > Storage account - blob, file, table, queue > Create storage account

### Create storage account

**Validation failed.** Click here to view details. →

Basics Networking Advanced Tags **Review + create**

**Basics**

Subscription	Azure Pass - Sponsorship
Resource group	(New) myRGTags
Location	East US
Storage account name	myrgtaglab
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard

Create < Previous Next > Download a template for

### Errors

Summary Raw Error

ERROR DETAILS

Resource 'myrgtaglab' was disallowed by policy. (Code: RequestDisallowedByPolicy)

Policy: [Require a tag on resources](#)

WAS THIS HELPFUL? 🗣️ 🗣️

Troubleshooting Options

[Check Usage + Quota](#) [New Support Request](#)

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

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

Setting	Value
Tag name	<b>Company</b> (may not be in the drop-down list)
Tag value	<b>Contoso</b>

- 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

- In the Azure Portal, from the **All services** blade, search for and select **Tags**.
- 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.

Home > Tags > All resources

**Tags** Microsoft

**Company : Contoso**

**environment : production**

**ms-resource-usage : azure-cloud-sh...**

**All resources** Microsoft

+ Add Edit columns Refresh Export to CSV Assign tags Delete

Showing 1 to 1 of 1 records. ☐ Show hidden types

Name	Type	Resource group	Location
storageaccountces	Storage account	myRGTags	East US

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

**All resources** Microsoft

+ Add Edit columns Refresh Export to CSV Assign tags Delete Feedback

Filter by name...

select filter

Resource group

Type

Kind

Location

**Tags**

Company

ms-resource-usage

+ Add filter

# 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.