



# **Organize your resources using tags**

## **AppTemplate**

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# Organize your resources using tags

## Manage tags for your resources

You can view, add, modify, and delete the tags assigned to your existing resources using the Cloud Manager Tagging service. This allows you to organize and simplify the management of your resources.

### Search for resources that have certain tags

If you want to see all the resources that have a certain tag, or a certain tag and tag key value, you can search for those tags. You can search across all resources, or just within certain resource categories.

#### Steps

1. Select the **AppTemplate** service and click the **Tags** tab.
2. If necessary, choose the credentials for a specific cloud provider in the **Select credentials** field.
3. In the *Resource Type* field, select the resource, for example, **ONTAP:CVO:VOLUME** to search across all Cloud Volumes ONTAP volumes.
4. In the *Tag Key* field, select the tag, for example, **Env** to restrict the search to volumes with the "Env" tag.
5. In the *Tag Value* field, select the key value, for example, **production** to restrict the search to volumes with the tag name "Env" and the tag value "production".

The screenshot shows the 'AppTemplate' interface with the 'Tags' tab selected. The 'Search' section contains three input fields: 'Resource Type' with the value 'ONTAP:CVO:VOLUME', 'Tag Key' with the value 'Env', and 'Tag Value' with the value 'production'. Each field has a clear button (x) and a dropdown arrow. A blue '+' button is located to the right of the 'Tag Value' field. The 'Select credentials' dropdown is visible in the top right corner.

6. Click the **+** to add this search criteria to the Search area.

The screenshot shows the 'AppTemplate' interface with the 'Tags' tab selected. The 'Search' section now displays the previously entered criteria as a filter: 'ONTAP:CVO:VOLUME : Env : production'. This filter is enclosed in a red box. A blue '+' button is also highlighted with a red box. The 'Search' button is visible in the bottom right corner.

7. If you are done with your search, click **Search** and the search results appear in the Resources section.

11 Resources				Manage Tags	↓	Q
<input type="checkbox"/>	ID	Tags	Type			
<input type="checkbox"/>	labsod01dev	Env : production	ONTAP:CVO:VOLUME	+1		
<input type="checkbox"/>	urlabsod1	Env : production	ONTAP:CVO:VOLUME	+		
<input type="checkbox"/>	urlabsod01dev	Env : production	ONTAP:CVO:VOLUME	+1		

If you want to add additional search criteria, follow steps 3 through 6 again and then click **Search**.

## Search rules

The following rules apply when defining your search:

- After choosing a Resource Type, you can leave the Tag Key field and Tag Value fields empty if you want to list all the resources that have any key and any key value.
- You can choose a single search, or you can define multiple searches to refine the results in the Resource section.
- When defining multiple sets of search criteria:
  - If the criteria for two searches are for different resource types, then this is treated as an "OR" operation and the result shows the resources from both searches. For example, the following search returns all Azure NetApp Files volumes that have the "Environment:demo" tag value and all Cloud Volumes ONTAP volumes that have the "Environment:demo" tag value.

ONTAP:ANF:VOLUME :	Environment : demo ×
ONTAP:CVO:VOLUME :	Environment : demo ×

- If the criteria for two searches are for the same resource type, then this is treated as an "AND" operation and the result shows only the resources that match **both** searches. For example, the following search returns Azure NetApp Files volumes that have both the "Environment:demo" tag value and "Group:Finance" tag value.

ONTAP:ANF:VOLUME :	Environment : demo ×	Group : Finance ×
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- If you have defined multiple search criteria and then decide you want to remove one, just click the **×** to remove it from the Search area.

## Add tags to existing resources

You can apply tags to a single resource or to multiple resources. The resources could have existing tags or have no current tags.

[See the list of resources that you can tag at this time.](#)

## Steps

1. From the **Tags** tab, create your search criteria and click **Search**.
2. Select the resource, or resources, that you want to tag.
  - To select all resources on the page, check the box in the title row (☒ ID).
  - To select multiple resources, check the box for each resource (☒ Volume\_1).
  - To select a single resource, click the ☐ icon for the resource.

The screenshot shows a table titled "11 Resources". The table has columns: ID, Tags, and Type. The first row is a header with a checkbox, "ID", "Tags", and "Type". Below the header, there are three data rows. Each row has a checkbox in the first column, an ID in the second column, a tag in the third column, and a type in the fourth column. The first data row has ID "labsod01dev", tag "Env : production", and type "ONTAP:CVO:VOLUME". The second data row has ID "urlabsod1", tag "Env : production", and type "ONTAP:CVO:VOLUME". The third data row has ID "urlabsod01dev", tag "Env : production", and type "ONTAP:CVO:VOLUME". A red box highlights the checkbox in the first row. Another red box highlights the checkbox in the second row. A third red box highlights the "+1" icon in the third row. In the top right corner, there is a "Manage Tags" button and a search icon, both highlighted with red boxes.

<input checked="" type="checkbox"/>	ID	Tags	Type
<input type="checkbox"/>	labsod01dev	Env : production	ONTAP:CVO:VOLUME
<input type="checkbox"/>	urlabsod1	Env : production	ONTAP:CVO:VOLUME
<input type="checkbox"/>	urlabsod01dev	Env : production	ONTAP:CVO:VOLUME

3. Click **Manage Tags** and the *Resource Tags* dialog appears. Any existing tags will appear in this dialog.

The screenshot shows the "Resources Tags" dialog. At the top, it says "1 resource selected". Below this, there is a table with two columns: "Tag Key" and "Tag Value". There is one row in the table with "Env" as the Tag Key and "production" as the Tag Value. To the right of the table, there is a red box with the text "Add New Tag". At the bottom of the dialog, there are two buttons: "Review and Apply" and "Cancel".

Tag Key	Tag Value
Env	production

4. Click **Add New Tag** and a blank Tag Key and Tag Value row appears in the dialog.
5. Enter the tag key and tag value. Add more tags at this time if you want more tags on this resource, and then click **Review and Apply**.
6. If your changes look correct in the *Reviewing* page, click **Save** and the new tag is added to the resource, or to all selected resources.

## Change tag values for a resource

You can change the tags that are assigned to resources, and you can change the tag value that is applied to an existing tag.

### Steps

1. From the **Tags** tab, create your search criteria and click **Search**.
2. Select the resource, or resources, on which you want to change tags.
3. Click **Manage Tags** and the *Resource Tags* dialog appears.

4. Enter a new value for the tag value and click **Review and Apply**.
5. If your change looks correct in the *Reviewing* page, click **Save** and the tag value is changed for the resource, or for all selected resources.

## Delete tags from resources

You can delete a tag key/value pair from a single resource or from multiple resources.

### Steps

1. From the **Tags** tab, create your search criteria and click **Search**.
2. Select the resource, or resources, from which you want to remove tags.
3. Click **Manage Tags** and the *Resource Tags* dialog appears.
4. Click the **X** for the tag key/value pair you want to delete and the row is removed, and then click **Review and Apply**.
5. If your change looks correct in the *Reviewing* page, click **Save** and the tag key/value pair is removed from the resource, or from all selected resources.

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