# Red Hat Ansible Automation Platform 2.2

## Curating collections using namespaces in Automation Hub

Use namespaces to organize the collections created by automation developers in your organization. Create namespaces, upload collections and add additional information and resources that help your end users in their automation tasks.

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## Abstract

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# PREFACE

Curate collections developed in your organization using namespaces in Automation Hub.

# MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright's message.

# CHAPTER 1. USING NAMESPACES TO MANAGE COLLECTIONS IN AUTOMATION HUB

You can use namespaces in Automation Hub to organize collections developed within your organization for internal distribution and use.

Working with namespaces requires a group that has permissions to create, edit and upload collections to namespaces. Collections uploaded to a namespace may require administrative approval before you can publish them and make them available for use. See Managing user access in Automation Hub for more information on groups and permissions to determine how to configure Automation Hub for your content curators and developers.

## 1.1. ABOUT NAMESPACES

Namespaces are unique locations in Automation Hub to which you can upload and publish content collections. Access to namespaces in Automation Hub is governed by groups with permission to manage the content and related information that appears there.

### Formatting collections for your namespaces

You can upload internally developed collections to Automation Hub in **tar.gz** file format that meet the following name convention:

```
<my_namespace-my_collection-1.0.0.tar.gz>
```

## 1.2. CREATING A NEW GROUP FOR CONTENT CURATORS

You can create a new group in Automation Hub designed to support content curation in your organization who will contribute internally developed collections for publication in Automation Hub.

In this section you will create a new group and assign the required permissions to help content developers create namespaces and upload their collections to Automation Hub.

### Prerequisites

- You have **admin** permissions in Automation Hub and create groups.

### Procedure

1. Log in to your local Automation Hub.
2. Navigate to **Groups** and click **Create**.
3. Enter **Content Engineering** as a **Name** for the group in the modal and click **Create**. The new group is created and the **Groups** page will appear.
4. On the **Permissions** tab, click **Edit**.
5. Under **Namespaces**, add permissions for **Add Namespace**, **Upload to Namespace** and **Change Namespace**.
6. Click **Save**.

The new group is created with the permissions you assigned. Next you can add users to the group.

7. Click the **Users** tab on the **Groups** page.
8. Click **Add**.
9. Select users from the modal and click **Add**.

**Conclusion**

You now have a new group who can use Automation Hub to:

- create a namespace,
- edit the namespace details and resources page
- upload internally developed collections to the namespace.

## 1.3. CREATING A NAMESPACE

You can create a namespace to use to group collections your developers upload to Automation Hub. When creating a namespace, you can assign a group in Automation Hub as owners of that namespace.

**Prerequisites**

- You have **Add Namespaces** and **Upload to Namespaces** permissions.

**Procedure**

1. Log in to your local Automation Hub.
2. Navigate to **My Namespaces**.
3. Click **Create** and provide a **namespace name** and assign a group of **Namespace owners**.
4. Click **Create**.

Your content developers can now proceed to upload collections to your new namespace, or allow users in groups assigned as owners to upload collections.

## 1.4. ADDING ADDITIONAL INFORMATION AND RESOURCES TO A NAMESPACE

You can add information and provide resources for your users to accompany collections included in the namespace. Add a logo, description and link users to your GitHub repository, issue tracker or other online assets. You can also enter markdown text in the **Edit resources** tab to include additional information helpful to end users who may use your collection in their automation tasks.

**Prerequisites**

- You have **Change Namespaces** permissions.

**Procedure**

1. Log in to your local Automation Hub.
2. Navigate to **My Namespaces**.
3. Click and select **Edit namespace**.
4. In the **Edit details** tab, provide information in the fields to enhance your namespace experience.
5. Click the **edit resources** tab to enter markdown in the text field.
6. Click **Save** when finished.

Your content developers can now proceed to upload collections to your new namespace, or allow users in groups assigned as owners to upload collections.

Once a namespace is created, groups with permissions to upload to it can start adding their collections for approval. Upon approval, collections in the namespace will appear in the **Published** repository.

## 1.5. UPLOADING COLLECTIONS TO YOUR NAMESPACES

You can upload internally developed collections to your local Automation Hub namespace for review and approval by an Automation Hub administrator. Once approved, the collection will move to the **Published** content repository where Automation Hub users can view and download it.

NOTE

Format your collection file name as follows: <NAMESPACE-COLLECTION-NAME.tar.gz>

**Prerequisites**

- You have a namespace to which you can upload the collection.

**Procedure**

1. Log in to your local Automation Hub
2. Navigate to **My Namespaces** and select a namespace.
3. Click **Upload collection**.
4. Click **Select file** from the **New collection** modal.
5. Select the collection to upload.
6. Click **Upload**.

The **My Imports** screen will provide a summary of tests and notify you if the collection uploaded successfully or failed.

## 1.6. REVIEWING YOUR NAMESPACE IMPORT LOGS

You can review the status of collections uploaded to your namespaces to evaluate success or failure of the process.

Imported collections information includes:

- **Status** - completed or failed;
- **Approval status** - waiting for approval or approved;
- **Version** - the version of the uploaded collection.
- **Import log** - activities executed during the collection import.

**Prerequisites**

- You have access to a namespace to which you can upload collections.

**Procedure**

1. Log in to your local Automation Hub.
2. Navigate to **My Namespaces**.
3. Select a namespace.
4. Click and select **My imports**.
5. Use the search field or locate an imported collection from the list.
6. Click on the imported collection.

Review collection import details to determine the status of the collection in your namespace.

## 1.7. DELETING A NAMESPACE

You can delete unwanted namespaces to manage storage on your automation hub server. To do so, ensure that the namespace does not contain a collection with dependencies.

**Prerequisites**

- The namespace being deleted does not have a collection with dependencies.
- You have **Delete namespace** permissions.

**Procedure**

1. Log in to your local automation hub.
2. Navigate to **Collections → Namespaces**.
3. Click the namespace to be deleted.
4. Click , then click **Delete namespace**.

NOTE

If the **Delete namespace** button is disabled, it means that this namespace contains a collection with dependencies. Review the collections in this namespace and delete any dependencies to proceed with the namespace deletion. See *Managing collections on automation hub* in the Red Hat Ansible Automation Platform documentation for information about deleting collections.

The deleted namespace, as well as its associated collections, will now be deleted and removed from the namespace list view.

# CHAPTER 2. CONCLUSION

**Following the procedure above, you**

- Create groups with permissions to curate namespaces and upload collections it;
- Add information and resources to the namespace that helps end users of the collection in their automation tasks;
- Upload a collection to the namespace.
- Review the namespace import logs to determine success or failure of uploading the collection and its current approval status.