



Red Hat Ansible Automation Platform 2.1

Managing Red Hat Certified and Ansible Galaxy collections in automation hub

Configure Automation Hub to deliver curated Red Hat Certified and Ansible Galaxy collections content to your users.

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Abstract

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PREFACE

You can sync automation hub to use the Red Hat Certified Collections available through your Ansible Automation Platform subscription or community collections available through Ansible Galaxy.

Your organization can access and curate into a unique set of collections from all Red Hat Certified content in the automation hub service hosted on console.redhat.com.

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. MANAGING RED HAT CERTIFIED COLLECTIONS SYNCLISTS IN AUTOMATION HUB

You can use automation hub to distribute the relevant Red Hat Certified collections content to your users by creating synclists.

1.1. ABOUT RED HAT CERTIFIED COLLECTIONS SYNCLISTS

A synclist is a curated group of Red Hat Certified collections that is assembled by your organization administrator that syncs to your local automation hub. Use synclists to manage only the content that you want and exclude unnecessary collections. You can design and manage your synclist from the content available as part of Red Hat Certified collections on console.redhat.com

Each synclist has its own unique repository URL you can use to designate as a remote source for content in automation hub and is securely accessed using an API token.

1.2. CREATING A SYNCLIST OF RED HAT CERTIFIED COLLECTIONS

You can create a synclist of curated Red Hat Certified collections in automation hub on console.redhat.com. Your synclist repository is located under **Automation Hub** → **Repo Management**, which is updated whenever you choose to manage content within Red Hat Certified collections.

By default, all Red Hat Certified collections are included in your initial organization synclist.

Prerequisites

- You have a valid Ansible Automation Platform subscription.
- You have Organization Administrator permissions for console.redhat.com.
- Ensure that the following domain names are part of either the firewall or the proxy's allowlist for successful connection and download of collections from automation hub or Galaxy server:
 - **galaxy.ansible.com**
 - **cloud.redhat.com**
 - **console.redhat.com**
 - **sso.redhat.com**
- Automation hub resources are stored in Amazon Simple Storage. Add the following domain name to the allow list:
 - **automation-hub-prd.s3.us-east-2.amazonaws.com**
 - **ansible-galaxy.s3.amazonaws.com**
- SSL inspection is disabled either when using self signed certificates or for the Red Hat domains.

Procedure

1. Log in to console.redhat.com.
2. Navigate to **Automation Hub** → **Collections**.

3. Use the toggle switch on each collection to determine whether to exclude it from your synclist.

When you finish managing collections for your synclist, you can navigate to **Automation Hub → Repo Management** to initiate the remote repository sync to your local automation hub. If your remote repository is already configured, you can manually sync Red Hat Certified collections to your local automation hub to update the collections content that you made available to local users.

CHAPTER 2. CONFIGURING AUTOMATION HUB REMOTE REPOSITORIES TO SYNC CONTENT FROM RED HAT CERTIFIED AND ANSIBLE GALAXY COLLECTIONS

You can configure your local automation hub to sync with Red Hat Certified Collections hosted in your organization repository on console.redhat.com or to your choice of collections in Ansible Galaxy.

2.1. ABOUT REMOTE REPOSITORIES

You can configure your local automation hub to sync with Red Hat Certified Collections hosted in your organization repository on console.redhat.com and to your choice of collections in Ansible Galaxy by configuring remote repositories.

Each remote repository located in **Repo Management** → **Remote** provides information for both **community** and **rh-certified** about when the repo was **last updated** and when content was **last synced**. You can add new content to automation hub at any time using the **Edit** and **Sync** features included on the **Repo Management** → **Remote** page.



2.2. RETRIEVING YOUR RED HAT CERTIFIED COLLECTIONS SYNC URL AND API TOKEN.

You can sync Red Hat certified collections curated by your organization from console.redhat.com to your local automation hub.

Prerequisites

- You have Organization Administrator permissions for console.redhat.com.

Procedure

1. Log in to console.redhat.com as an Organization Administrator.
2. Navigate to **Automation Hub** → **Repo Management**.
3. Locate the **Sync URL** and click the **Copy to clipboard** icon (). Paste the **Sync URL** in a file to use when configuring the rh-certified remote.
4. Click the **More actions** icon () and click **Get token**.
5. On the **Token management** page, click **Load token**.
6. Click **Copy to clipboard** to copy the API token.
7. Paste the API token into a file and store in a secure location.



IMPORTANT

The API token is a secret token used to protect your content. Store your API token in a secure location.

2.3. CONFIGURING THE RH-CERTIFIED REMOTE REPOSITORY AND SYNCHRONIZING RED HAT ANSIBLE CERTIFIED CONTENT COLLECTION.

You can edit the **rh-certified** remote repository to sync collections from automation hub hosted on cloud.redhat.com to your local automation hub. By default, your local automation hub **rh-certified** repository includes the URL for the entire group of Red Hat Certified Collections available on cloud.redhat.com. To use only those collections specified by your organization, you must include a unique URL.


Prerequisites

- You have **Modify Ansible repo content** permissions. See [Managing user access in Automation Hub](#) for more information on permissions.
- You have retrieved the Sync URL and API Token from the automation hub hosted service on console.redhat.com.
- You have configured access to port 443. This is required for synchronizing certified collections. For more information, see the automation hub table in the [Network ports and protocols](#) chapter of the Red Hat Ansible Automation Platform Planning Guide.

Procedure

1. Log in to your local automation hub.
2. Navigate to **Repo Management**.
3. Click the **Remotes** tab.



4. In the **rh-certified** remote, click  and click **Edit**.
5. In the modal, paste the Sync URL and Token you acquired from cloud.redhat.com.
6. Click **Save**.

The modal closes and returns you to the **Repo Management** page. You can now synchronize collections between your organization synclist on console.redhat.com and your private automation hub.

+ . Click **Sync** to synchronize collections.

The **Sync status** notification updates to notify you of completion of Red Hat Certified collections sync.

Verification

You can confirm that your collections content has synced successfully by selecting **Red Hat Certified** from the collections content drop-down list.

2.4. CONFIGURING THE COMMUNITY REMOTE REPOSITORY AND SYNCING ANSIBLE GALAXY COLLECTIONS

You can edit the **community** remote repository to sync chosen collections from Ansible Galaxy to your local automation hub. By default, your local automation hub **community** repository directs to <https://galaxy.ansible.com/api/>.


Prerequisites

- You have **Modify Ansible repo content** permissions. See [Managing user access in Automation Hub](#) for more information on permissions.
- You have a **requirements.yml** file that identifies those collections to sync from Ansible Galaxy. See example below.

Requirements.yml example

```
collections:  
  # Install a collection from Ansible Galaxy.  
  - name: geerlingguy.php_roles  
    version: 0.9.3  
    source: https://galaxy.ansible.com
```

Procedure

1. Log in to your local automation hub.
2. Navigate to **Repo Management**.
3. Click the **Remotes** tab.
4. In the **community** remote, click the **More Actions** icon  and click **Edit**.
5. In the modal, click **Browse** and locate the **requirements.yml** file on your local machine.
6. Click **Save**.

The modal closes and returns you to the **Repo Management** page. You can now sync collections identified in your **requirements.yml** file from Ansible Galaxy to your local automation hub.

1. Click **Sync** to sync collections from Ansible Galaxy and automation hub.

The **Sync status** notification updates to notify you of completion or failure of Ansible Galaxy collections sync to your automation hub.

Verification

You can confirm successful sync by selecting **Community** from the collections content drop-down list.

CHAPTER 3. CONCLUSION

When the above procedures are complete, you will have:

- created a synclist for Red Hat Certified collections content,
- synced that content to your local automation hub, and
- designated community collections from Ansible Galaxy to distribute to your users.

Users can now view and download collections content from your local automation hub.