Installing the automation services catalog worker

Extend your Red Hat Ansible Automation Platform to connect with automation services catalog on cloud.redhat.com using the Ansible Automation Platform 2.0 Setup or Setup Bundle Installers
Red Hat Ansible Automation Platform 2.2 Installing the automation services catalog worker

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Abstract

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PREFACE

You can extend Red Hat Ansible Automation Platform to connect with automation services catalog on cloud.redhat.com using the Ansible Automation Platform setup or setup bundle installer.

This is a Day 2 activity and requires setup of a service account that has write permissions on all basic resources/objects in automation controller: organizations, users, projects, job templates and inventories.

The Catalog worker requires a set of variables assigned to hosts in your Red Hat Ansible Automation Platform network. Running the Catalog worker will create an application and an application token, install the necessary packages, and start the service.

IMPORTANT

Support for automation services catalog is no longer available for Ansible Automation Platform from 2.4.
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. INSTALLING THE AUTOMATION SERVICES CATALOG WORKER

You can use the following instructions to extend your Red Hat Ansible Automation Platform to connect to {Catalog} hosted service on cloud.redhat.com.

1.1. PREREQUISITES

- Automation controller and any instance group nodes associated with an organization service account specified in /inventory must be running on a RHEL 8.4 virtual machine.
- You have registered the RHEL 8.4 virtual machine with Red Hat Subscription Manager. Installation generates a certificate used to authenticate with cloud.redhat.com.
- You have attached the Ansible Automation Platform SKU to the Catalog Worker node.
- You have enabled SSH on the RHEL 8.4 virtual machine running the automation services catalog worker.
- Automation controller with at least one organization configured, including inventories, projects and job templates.
- A service account is created for each organization that has write permissions on all objects mentioned above. Application token is created when the installer is run and not required as a prerequisite.

1.2. ADDING HOST VARIABLES TO THE INSTALLER

Installing the automation services catalog worker requires adding host vars in the Red Hat Ansible Automation Platform installer used for installation parameters. The 'host_vars' files store parameter information for each host you specify. Refer to the parameters table below for all available and required parameters.

Table 1.1. Available host_vars parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>servicescatalog_controller_hostname</td>
<td></td>
</tr>
<tr>
<td>servicescatalog_controller_name</td>
<td></td>
</tr>
<tr>
<td>servicescatalog_controller_user</td>
<td>Yes</td>
</tr>
<tr>
<td>servicescatalog_controller_password</td>
<td>Yes</td>
</tr>
<tr>
<td>servicescatalog_controller_validate_certs</td>
<td></td>
</tr>
<tr>
<td>servicescatalog_http_proxy</td>
<td></td>
</tr>
<tr>
<td>servicescatalog_https_proxy</td>
<td></td>
</tr>
<tr>
<td>Parameter</td>
<td>Required</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>servicescatalog_no_proxy</td>
<td></td>
</tr>
</tbody>
</table>

**Procedure**

1. Navigate to the Ansible Automation Platform setup or setup bundle installer directory.

   ```bash
   # cd ansible-automation-platform-setup-<latest>
   ``

2. Create a new directory called `host_vars`:

   ```bash
   # mkdir host_vars
   ``

3. Create a file for each required host. Examples with parameters for two hosts are included below.

   a. Service account on **localhost**:

      ```bash
      # touch finance
      ansible_connection: local
      servicescatalog_controller_name: Finance
      servicescatalog_controller_user: finance_sa
      servicescatalog_controller_password: <password>
      
      # touch marketing
      ansible_host: IP address
      ansible_user: [User should have sudo access to install packages and write to system-level configuration files]
      ansible_become: true
      servicescatalog_controller_name: Marketing
      servicescatalog_controller_user: marketing_sa
      servicescatalog_controller_password: password
      ``

   b. Service account on an additional host:

4. Save each file.

5. Open the `inventory` file in the Ansible Automation Platform installer:

   ```bash
   # vi inventory
   ``

6. Add the `host_vars` for each host under `[servicescatalog_workers]`:
1.3. RUNNING THE INSTALLER

You can now proceed to run the installer.

- Run the Ansible Automation Platform setup script:
  
  ```bash
  # ./setup.sh
  ```

Running the automation services catalog worker will create an application and an application token, install the necessary packages, connect to cloud.redhat.com, and start the service.

**Verification**

You can verify that the automation services catalog worker installed and connected to your automation service catalog, and that jobs ordered in automation service catalog run on automation controller.

**Prerequisites**

You are a Catalog Administrator and can create portfolios and add products to them.

1. Log in to cloud.redhat.com

2. Navigate to Ansible Automation Platform → Automation Services Catalog.

3. Click Platforms.

4. Locate the platforms associated with the hosts you created for your host_vars.

5. Click on a platform.

6. Verify that inventory and templates from your automation controller are included.