Installing and upgrading Private Automation Hub

Installing an instance of Private Automation Hub or upgrading to a new version on online or offline Red Hat Enterprise Linux 7 and 8 physical or virtual machines.
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Abstract

Providing Feedback: If you have a suggestion to improve this documentation, or find an error, create an issue at http://issues.redhat.com. Select the Automation Hub (AAH) project and use the Documentation component.
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You can install Private Automation Hub or upgrade to a new version on a Red Hat Enterprise Linux 7 or 8 virtual or physical machine with a valid Red Hat Ansible Automation Platform subscription.
CHAPTER 1. SYSTEM REQUIREMENTS

Installing a Private Automation Hub instance requires the following:

Table 1.1. System Requirements

<table>
<thead>
<tr>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscription</td>
</tr>
<tr>
<td>OS</td>
</tr>
<tr>
<td>Ansible</td>
</tr>
<tr>
<td>RAM</td>
</tr>
<tr>
<td>CPUs</td>
</tr>
<tr>
<td>Disk</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Browser</td>
</tr>
<tr>
<td>Database</td>
</tr>
</tbody>
</table>

NOTE

You cannot install Ansible Tower and a Private Automation Hub instance on the same node. The inventory file can handle the installation of both Ansible Tower and Automation Hub. These instructions are only for the installation of Automation Hub.
CHAPTER 2. INSTALLING ONLINE OR OFFLINE

Choose the Ansible Automation Platform installer you need to install Private Automation Hub based on your Red Hat Enterprise Linux environment internet connectivity. Review the scenarios below and determine which Ansible Automation Platform installer meets your needs.

NOTE

A valid Red Hat customer account is required to access Ansible Automation Platform installer downloads on the Red Hat Customer Portal.

Installing with internet access

Install Private Automation Hub using the Ansible Automation Platform installer if your Red Hat Enterprise Linux environment is connected to the internet. Installing with internet access will retrieve the latest required repositories, packages, and dependencies.

1. Navigate to https://access.redhat.com/downloads/content/480
2. Click Download Now for the Ansible Automation Platform <latest-version> Setup
3. Extract the files:
   ```
   $ tar xvzf ansible-automation-platform-setup-<latest-version>.tar.gz
   ```

Installing without internet access

Install Private Automation Hub using the Ansible Automation Platform Bundle installer if you are unable to access the internet, or would prefer not to install separate components and dependencies from online repositories. Access to Red Hat Enterprise Linux repositories is still needed. All other dependencies are included in the tar archive.

1. Navigate to https://access.redhat.com/downloads/content/480
2. Click Download Now for the Ansible Automation Platform <latest-version> Setup Bundle
3. Extract the files:
   ```
   $ tar xvzf ansible-automation-platform-setup-bundle-<latest-version>.tar.gz
   ```
CHAPTER 3. EDITING THE INVENTORY FILE

Edit the inventory file to specify an installation of Automation Hub, and update required parameters.

1. Navigate to the installer
   a. [bundled installer]
      
      $ cd ansible-automation-platform-setup-bundle-<latest-version>
   
   b. [online installer]
      
      $ cd ansible-automation-platform-setup-<latest-version>

2. Open the inventory file with a text editor.

3. Edit inventory file parameters to specify an installation of Automaton Hub host only. Follow the example below.
   a. Leave [tower] inventory information empty.
   b. Add [automationhub] group host information.

   ![NOTE]

   Provide a reachable IP address for the [automationhub] host to ensure users can sync content from Private Automation Hub from a different node.

   c. Update the values for automationhub_admin_password and automation_pg_password and any additional parameters based on your installation specifications:

   Example

   ```
   [tower]

   [automationhub]
   <reachable-ip> ansible_connection=local

   [all:vars]
   automationhub_admin_password= <PASSWORD>
   automationhub_pg_host=''
   automationhub_pg_port=''
   automationhub_pg_database='automationhub'
   automationhub_pg_username='automationhub'
   automationhub_pg_password=<PASSWORD>
   automationhub_pg_sslmode='prefer'

   # The default install will deploy a TLS enabled Automation Hub.
   # If for some reason this is not the behavior wanted one can
   # disable TLS enabled deployment.
   #
   ```
# automationhub_disableHttps = False
# The default install will generate self-signed certificates for the Automation
# Hub service. If you are providing valid certificate via automationhub_ssl_cert
# and automationhub_ssl_key, one should toggle that value to True.
#
# automationhub_ssl_validate_certs = False
# SSL-related variables
# If set, this will install a custom CA certificate to the system trust store.
# custom_ca_cert=/path/to/ca.crt
# Certificate and key to install in Automation Hub node
# automationhub_ssl_cert=/path/to/automationhub.cert
# automationhub_ssl_key=/path/to/automationhub.key
CHAPTER 4. RUNNING THE SETUP SCRIPT

You can run the setup script once you finish updated the inventory file with required parameters for installing your Private Automation Hub.

1. Run the setup.sh script

   $ ./setup.sh

The installation will begin.
CHAPTER 5. VERIFYING INSTALLATION

Once the installation completes, you can verify your Private Automation Hub has been installed successfully by logging in with the admin credentials you inserted into the inventory file.

1. Navigate to your Private Automation Hub
2. Log in with the Admin credentials you set in the inventory file.

Your Private Automation Hub is now ready for initial configuration. See the following administration guides for more:

- Managing user access in Private Automation Hub
- Managing Red Hat Certified and Ansible Galaxy collections in Automation Hub
CHAPTER 6. UPGRADING TO THE LATEST VERSION

You can upgrade your Private Automation Hub to the latest version using the Ansible Automation Platform setup bundle installer. Perform this upgrade using the inventory file configured when you installed Private Automation Hub.

1. Navigate to https://access.redhat.com/downloads/content/480
2. Click Download Now for the Ansible Automation Platform <latest-version> Setup Bundle
3. Extract the files:
   
   $ tar xvzf ansible-automation-platform-setup-bundle-<latest-version>.tar.gz
4. Copy configuration information from your initial installation to the inventory file.
5. Run the setup.sh script
   
   $ ./setup.sh

Verifying your upgrade

You can verify a successful upgrade to your Private Automation Hub by reviewing the Server version information.

1. Log in to your Private Automation Hub.
2. Click the ? icon in the top navigation bar.
3. Click About.
4. Verify that the server version matches the version you upgraded to.