Projects

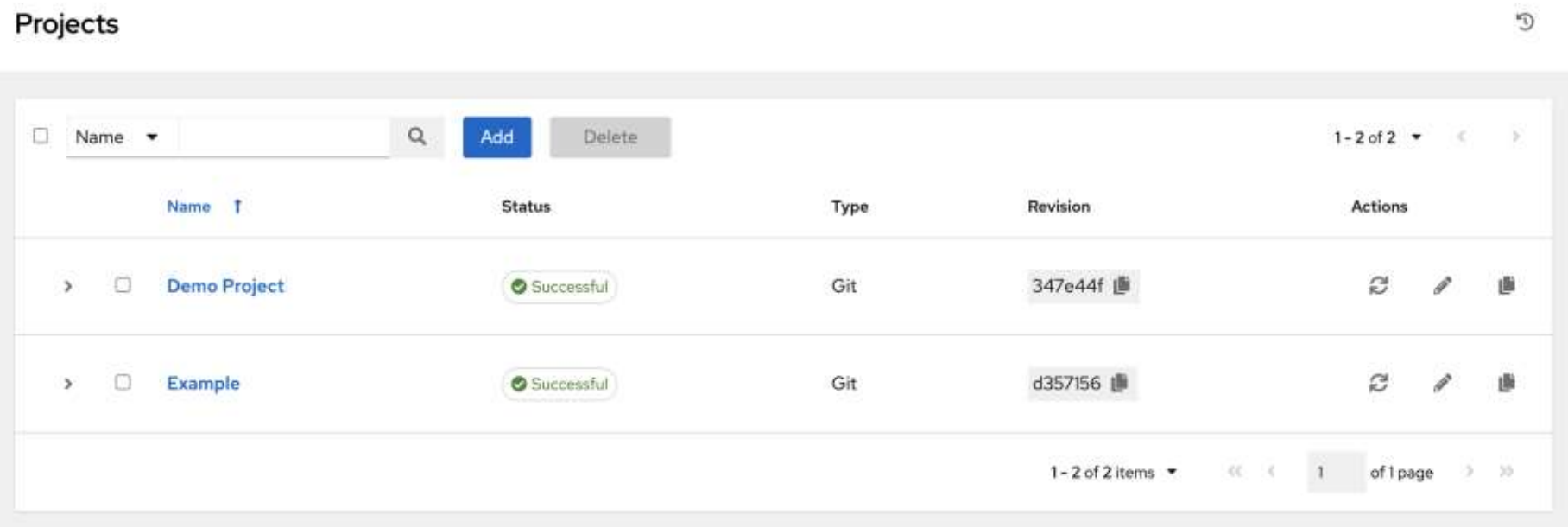
I

About Projects.

- A Project is a logical collection of Ansible playbooks.
- By default, the Project Base Path is **/var/lib/awx/**projects, but this may have been modified by the administrator.
- It is configured in /etc/awx/conf.d/custom.py. Use caution when editing this file, as incorrect settings can disable your installation.

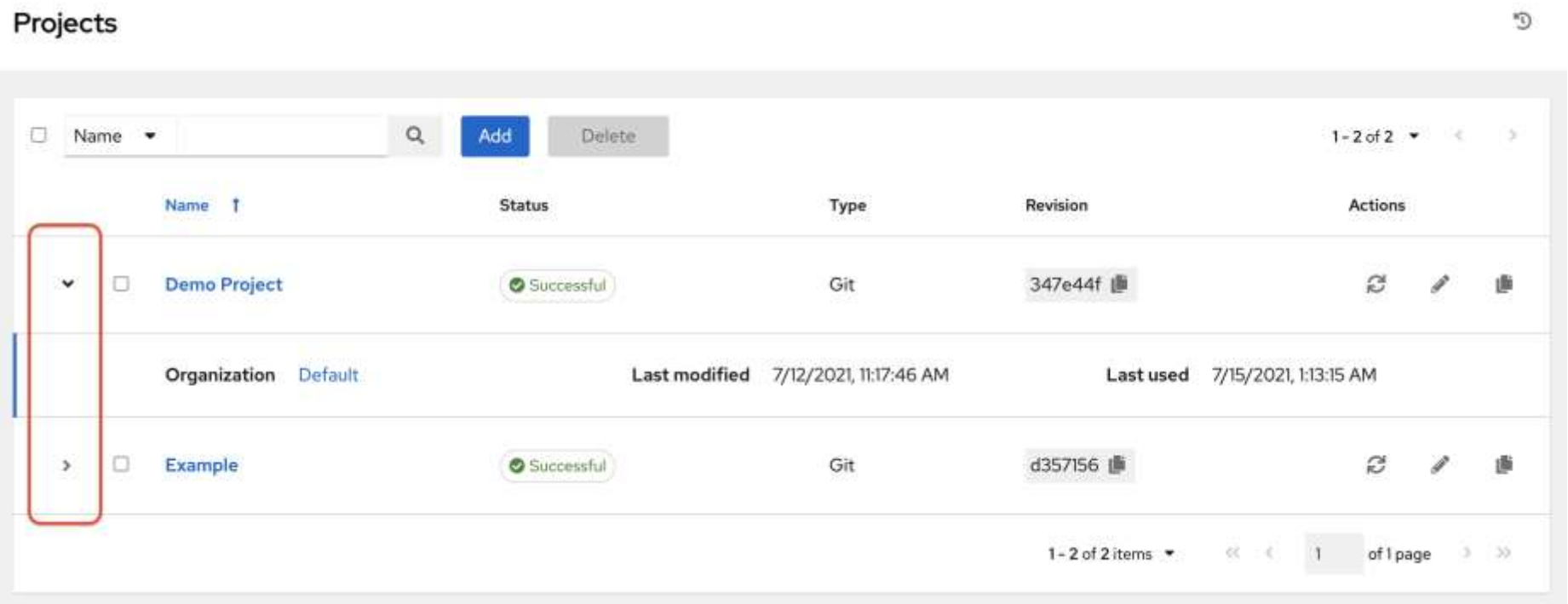
About Projects..

- The Projects page displays a list of available projects, with a default view of collapsed.



About Projects…

- users can expand each entry using the arrow.

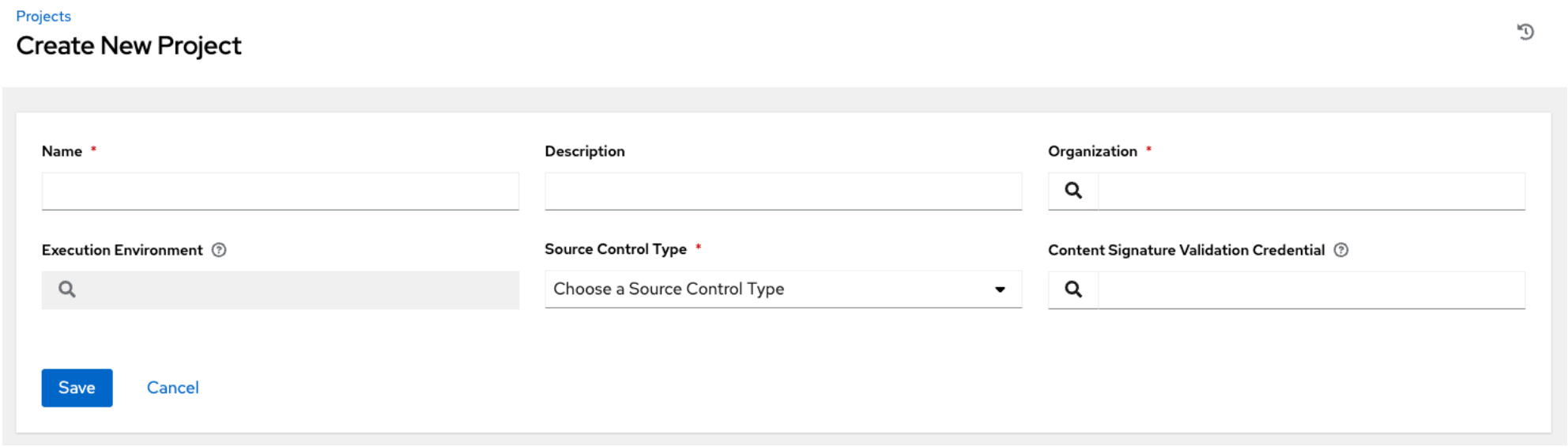


States of Project

- **Status** indicates the state of the project and may be one of the following (note that you can also filter your view by specific status types):
  - **Pending -** The source control update has been created but not queued or started yet. Jobs will remain pending until ready to be run by the system due to current dependencies or insufficient capacity.
  - **Waiting -** The source control update is in the queue waiting to be executed.
  - **Running -** The source control update is currently in progress.
  - **Successful -** The last source control update for this project succeeded.
  - **Failed -** The last source control update for this project failed.
  - **Error -** The last source control update job failed to run at all.

Add a new project.

- Click the **Add** button, which launches the **Create Project** window.



Add a new project..

- Enter the appropriate details into the following required fields:
- **Name**
- **Description**
- **Organization** - A project requires at least one organization. Create one organization now, then add additional organizations after it's created.
- **Source Control Type -** Choose an SCM type from the drop-down menu list for this project, and the options in the subsequent section will depend on your selection.
- **Content Signature Validation Credential -** The optional field allows content verification by specifying the GPG key for validating content signature during project sync.
- Click **Save** when done.

Sources of Project

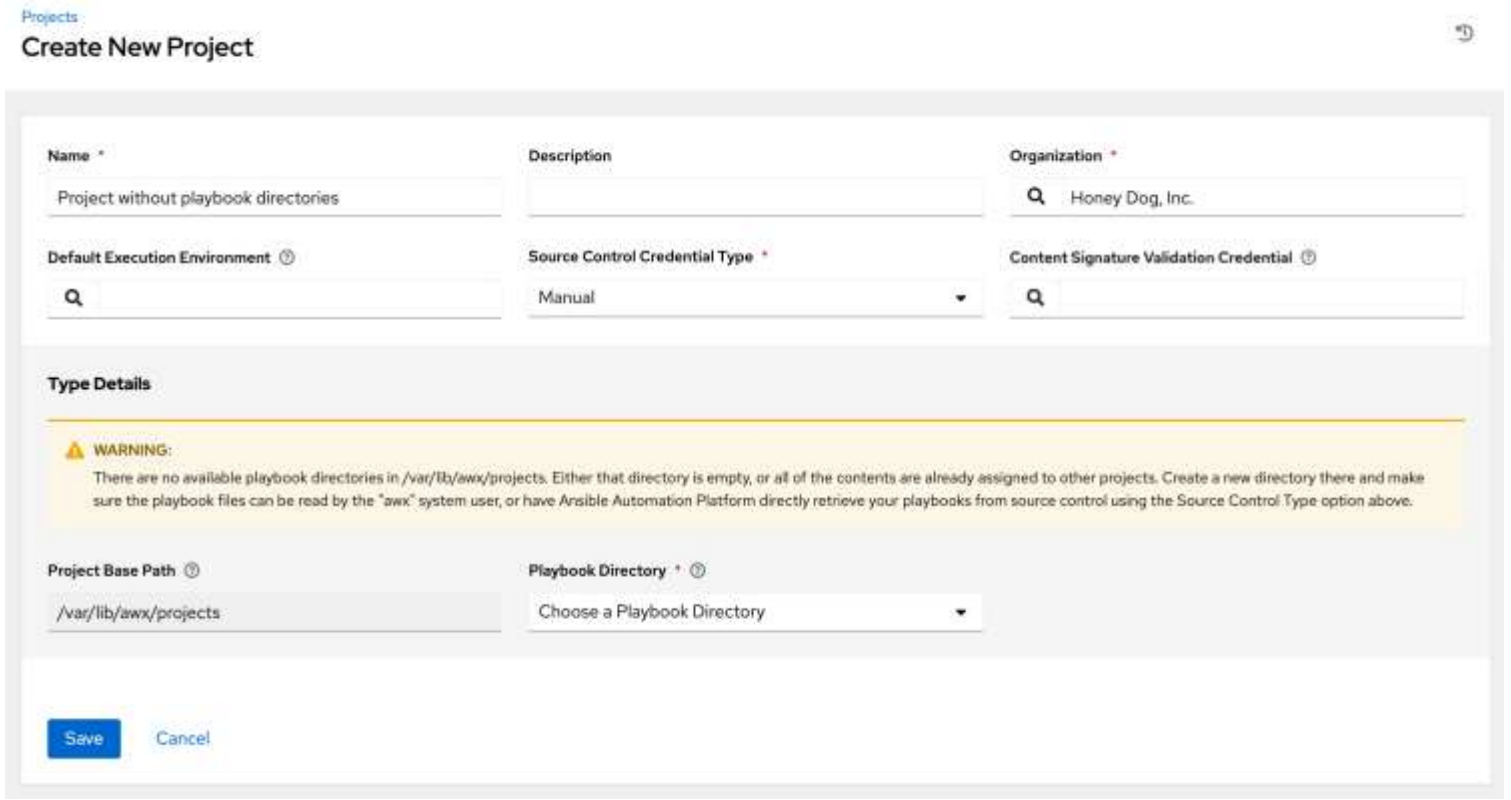
- The following describes ways projects are sourced in AWX:
- **Manage playbooks manually**
- **Manage playbooks using source control**
  - SCM Types - Git and Subversion
  - SCM Type - Red Hat Insights
  - SCM Type - Remote Archive

Manage playbooks manually.

- Create one or more directories to store playbooks under the Project Base Path (for example, /var/lib/awx/projects/).
- Create or copy playbook files into the playbook directory.
- Ensure that the playbook directory and files are owned by the same UNIX user and group that the AWX service runs as.
- Ensure that the permissions are appropriate for the playbook directories and files.
- If you have trouble adding a project path, check the permissions and SELinux context settings for the project directory and files.

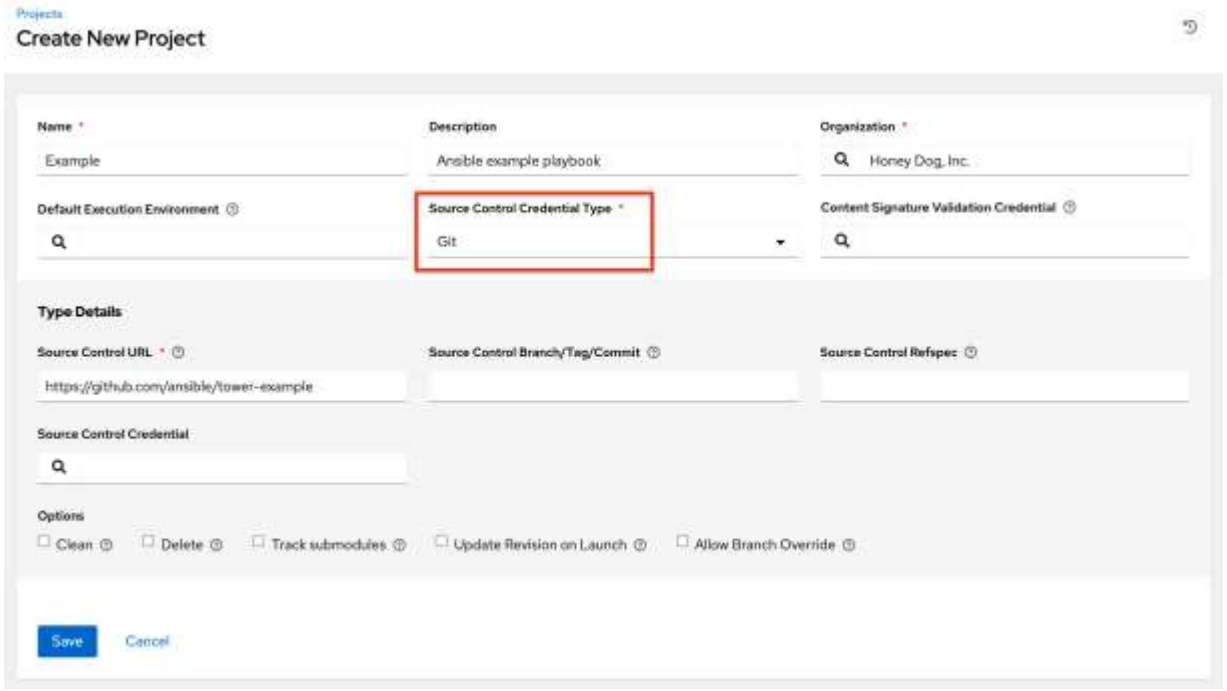
Manage playbooks manually..

- If you have not added any Ansible playbook directories to the base project path, you will receive the following message:



SCM Types - Git and Subversion.

- Select the appropriate option (Git or Subversion) from the **SCM Type** drop-down menu list.



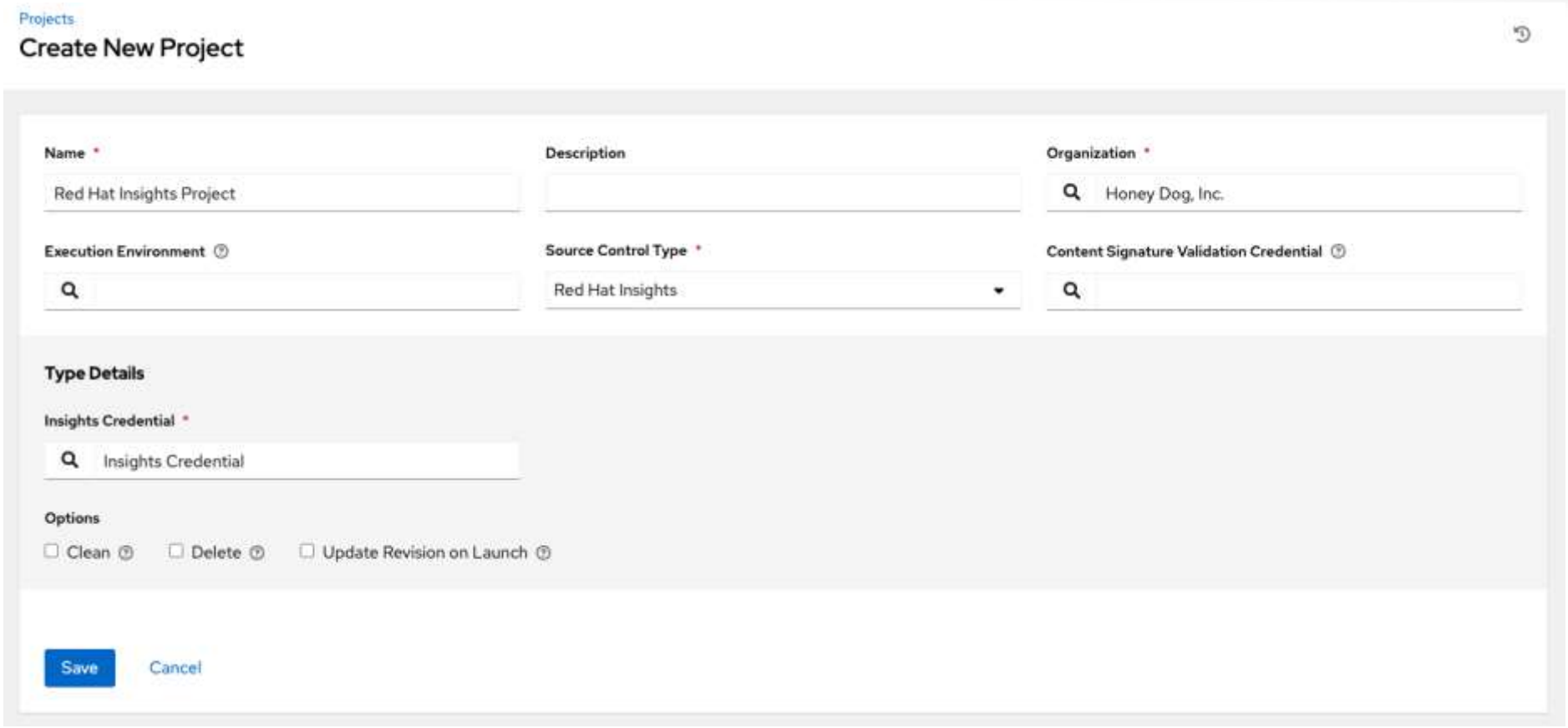
SCM Types - Git and Subversion..

- Enter the appropriate details into the following fields:
  - **SCM URL**
  - **SCM Branch/Tag/Commit -** Enter SCM branch, tags, commit hashes, refs, or revision number from source control (Git or Subversion) to checkout, with default being HEAD if left blank.
  - **SCM Refspec -** The field for git source control is only accessible to advanced users who are familiar with git and can specify which references to download from the remote repository.
  - **Source Control Credential -** If authentication is required, select the appropriate source control credential
- Click **Save** to save your project.

SCM Type - Red Hat Insights.

- Select **Red Hat Insights** from the **SCM Type** drop-down menu list.
- Red Hat Insights requires a credential for authentication. Select from the **Credential** field the appropriate credential for use with Insights.
- In the **SCM Update Options**, optionally select the launch behavior, if applicable.
  - **Clean**
  - **Delete**
  - **Update Revision on Launch**

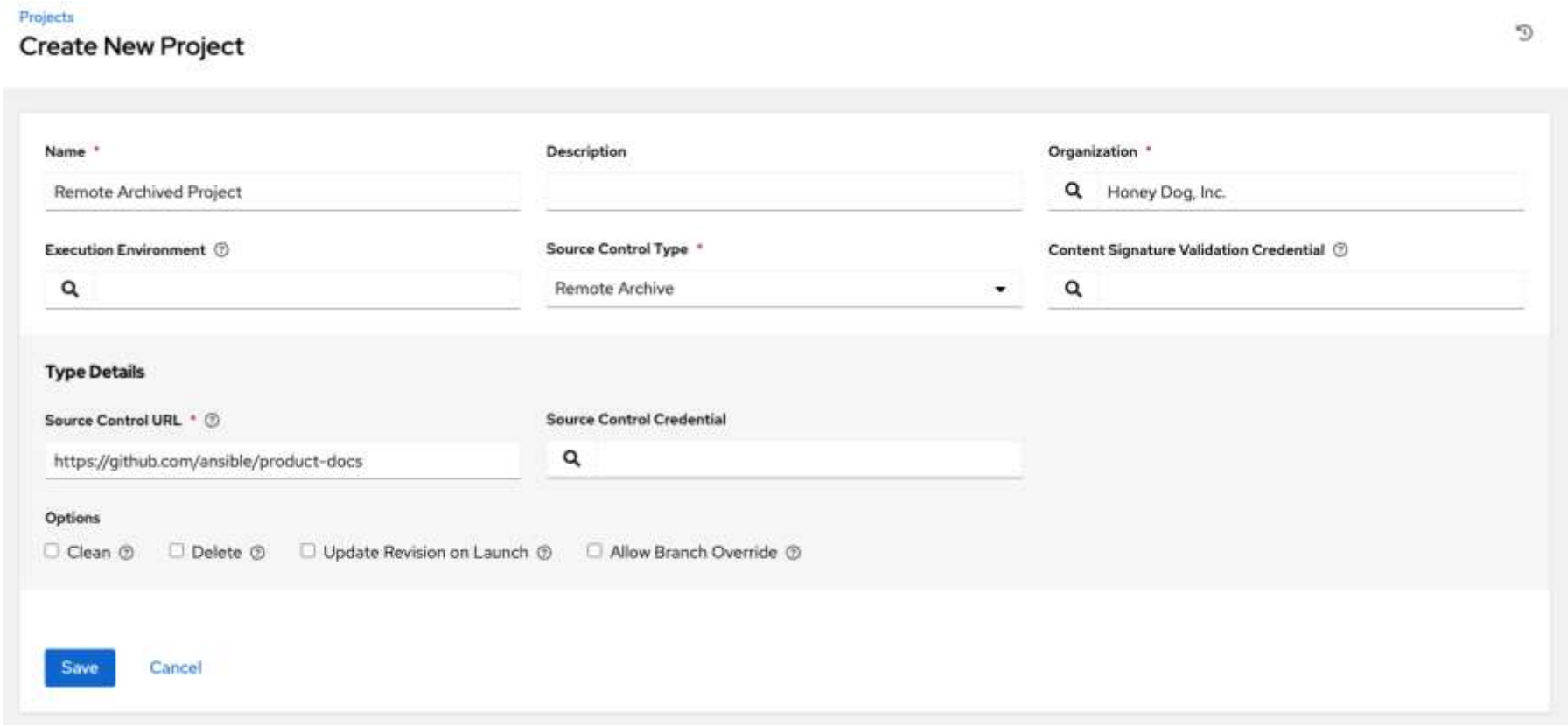
SCM Type - Red Hat Insights..



SCM Type - Remote Archive.

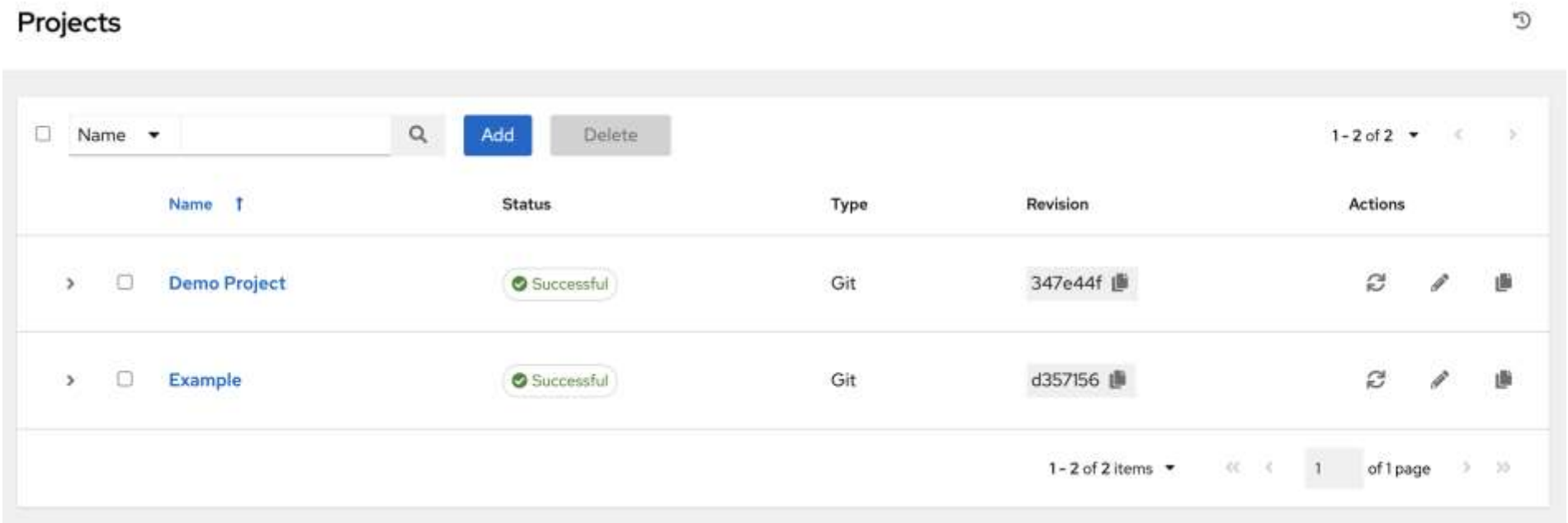
- To configure playbooks to use a remote archive, in the Project **Details** tab:
- Select **Remote Archive** from the **SCM Type** drop-down menu list.
- Enter the appropriate details into the following fields:
  - **SCM URL**
  - **SCM Credential**
- In the SCM Update Options, optionally select the launch behavior, if applicable.
  - **Clean**
  - **Delete**
  - **Update Revision on Launch**
  - **Allow Branch Override**

SCM Type - Remote Archive..



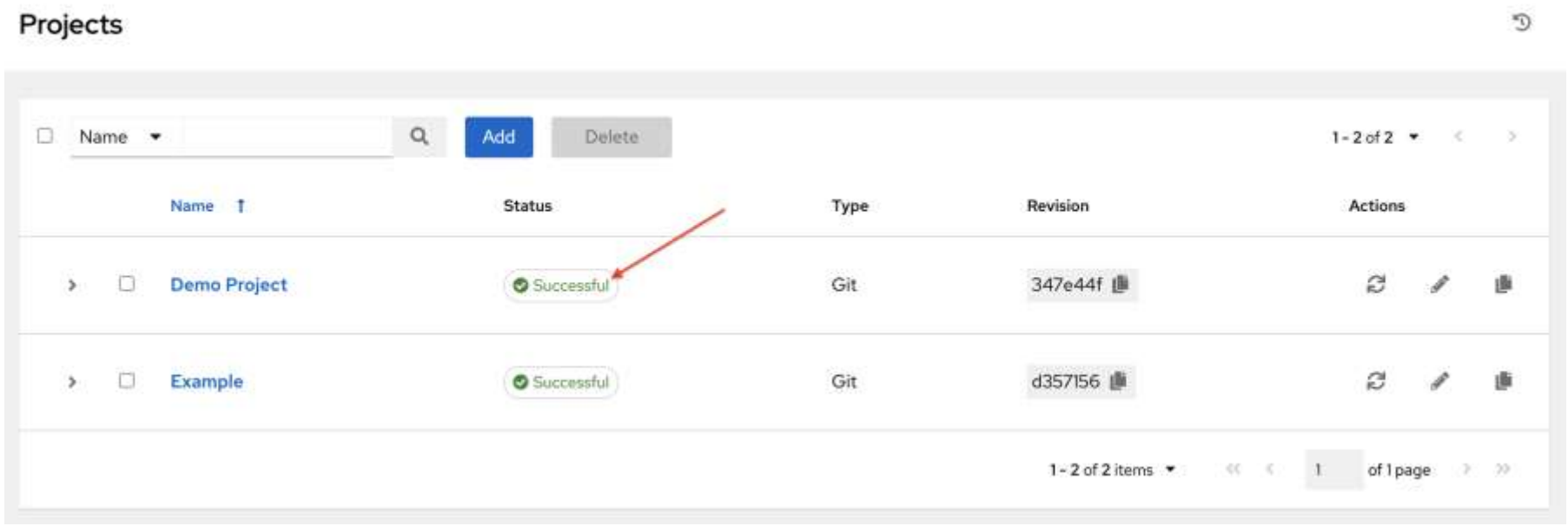
Updating projects from source control.

- Update an existing SCM-based project by selecting the project and clicking the button.

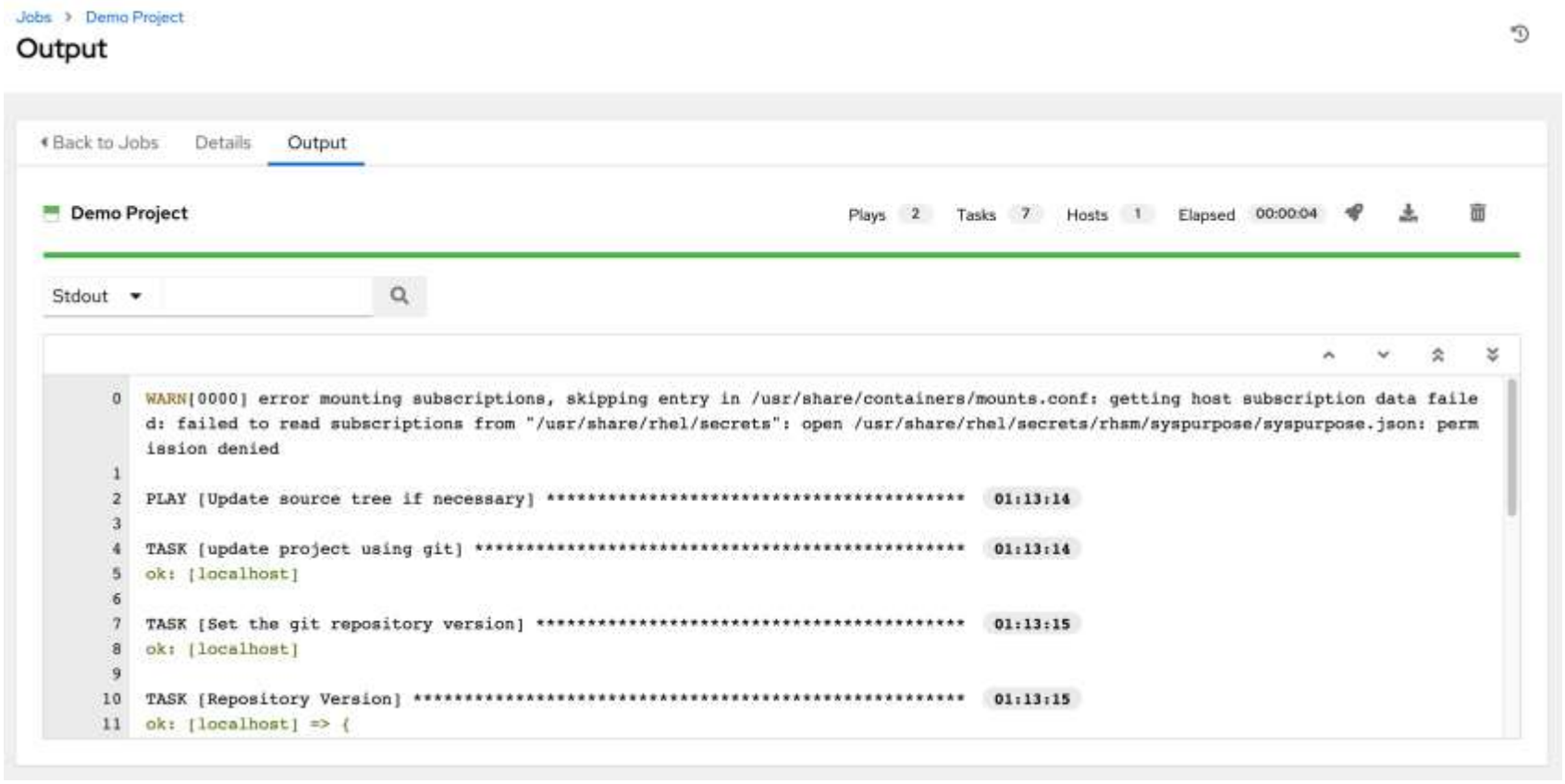


Updating projects from source control..

- Click on project's status under the **Status** column to get further details about the update process.

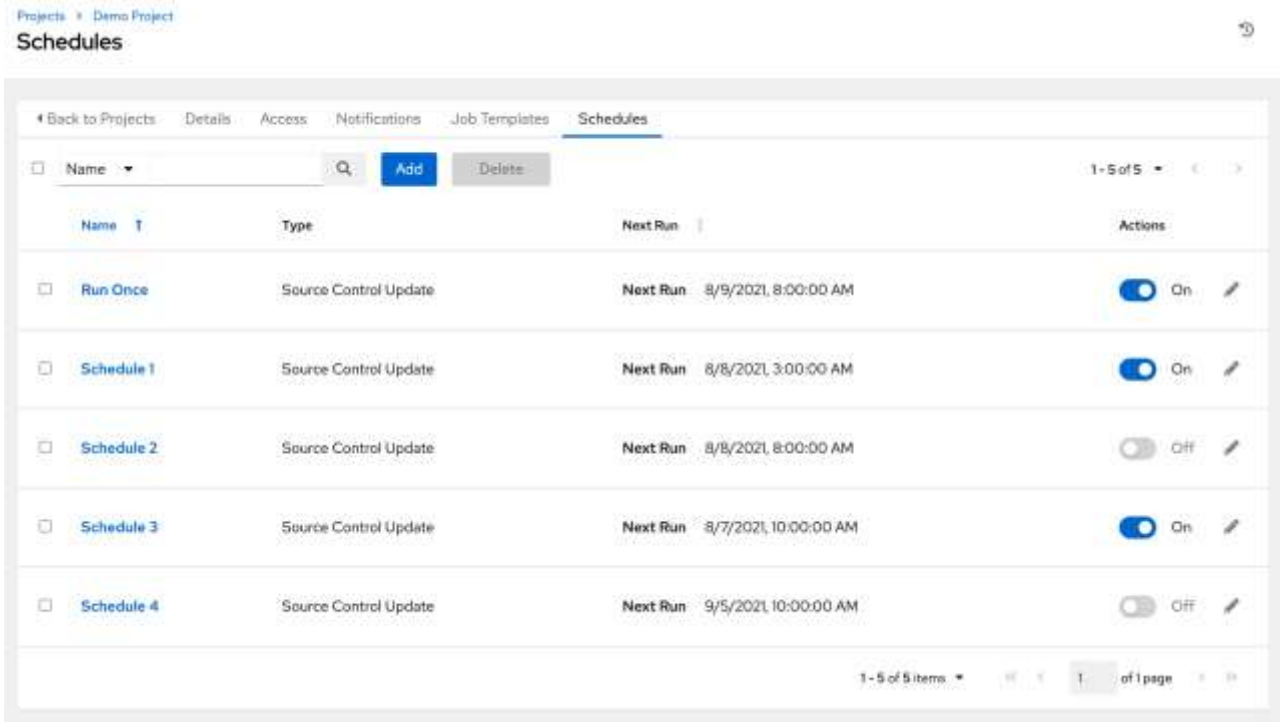


Updating projects from source control…



Work with Schedules.

- Clicking on **Schedules** allows you to review any schedules set up for this project.



Schedule a Project.

- To schedule a project run, click the Schedules tab.
  - If schedules are already set up; review, edit, or enable/disable your schedule preferences.
  - If schedules have not been set up