

Job Templates & Slicing

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Job Templates.

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- A job template is a definition and set of parameters for running an Ansible job.
- Job templates are useful to execute the same job many times. Job templates also encourage the reuse of Ansible playbook content and collaboration between teams.
- The **Templates** menu opens a list of the job templates that are currently available.

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Templates

>

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Name

1 - 5 of 5

>	<input type="checkbox"/>	Name	Type	Last Ran	Actions
>	<input type="checkbox"/>	Demo Job Template	Job Template	6/13/2021, 1:19:23 PM	<input type="button" value="Copy"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
>	<input type="checkbox"/>	Example	Job Template	6/13/2021, 1:19:53 PM	<input type="button" value="Copy"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
>	<input type="checkbox"/>	Job template with dependencies	Job Template	6/13/2021, 1:27:55 PM	<input type="button" value="Copy"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
>	<input type="checkbox"/>	Job with Slicing	Job Template	6/13/2021, 1:19:53 PM	<input type="button" value="Copy"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
>	<input type="checkbox"/>	WF Template with examples	Workflow Job Template	6/13/2021, 1:19:53 PM	<input type="button" value="Copy"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

1 - 5 of 5 items

1 of 1 page

Create a Job Template.

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- Click the **Add** button then select **Job Template** from the menu list.
- Enter the appropriate details into the fields
- **Options**
- If you enable webhooks, other fields display, prompting for additional information:

Webhook details


Webhook Service ?

Choose a Webhook Service ▼

Webhook URL ?

A NEW WEBHOOK URL WILL BE GENERATED ON S...

Webhook Key ?

A NEW WEBHOOK KEY WILL BE GENERATED... 

Create a Job Template..

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- When you have completed configuring the details of the job template, click **Save**.

Templates > JT with lots of prompts

Details

[← Back to Templates](#) [Details](#) [Access](#) [Notifications](#) [Schedules](#) [Jobs](#) [Survey](#)

Name	JT with lots of prompts	Job Type ⓘ	run	Organization	Default
Inventory ⓘ	Demo Inventory (Prompt on launch)	Project ⓘ	Demo Project	Execution Environment ⓘ	Control Plane Execution Environment
Playbook ⓘ	hello_world.yml	Forks ⓘ	0	Verbosity ⓘ	0 (Normal)
Timeout ⓘ	0	Show Changes ⓘ	Off	Job Slicing ⓘ	1
Created	10/10/2022, 3:12:59 PM by admin		Last Modified 10/12/2022, 2:05:10 PM by admin		
Enabled Options ⓘ	Concurrent Jobs				
Labels ⓘ	existing label				
Variables ⓘ	<div>YAML JSON</div> <div><pre>1 --- 2 ansible_ssh_user: ec2 3 ansible_connection: local</pre></div>				

[Edit](#) [Launch](#) [Delete](#)

View Completed Jobs.

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- The **Completed Jobs** tab provides the list of job templates that have ran.
- Click **Expanded** to view details of each job, including its status, ID, and name; type of job, time started and completed, who started the job
- which template, inventory, project, and credential were used. You can filter the list of completed jobs using any of these criteria.

View Completed Jobs..

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Templates > Demo Job Template

Jobs

Back to Templates Details Access Notifications Schedules **Jobs** Survey

> ☐ Name 1 - 5 of 7 < >

Name	Status	Start Time	Finish Time	Actions
> <input type="checkbox"/> 23 - Demo Job Template	Pending			
> <input type="checkbox"/> 21 - Demo Job Template	Successful		5/25/2021, 10:46:25 AM	
> <input type="checkbox"/> 19 - Demo Job Template	Successful		5/25/2021, 10:46:22 AM	
> <input type="checkbox"/> 17 - Demo Job Template	Canceled		5/25/2021, 10:09:13 AM	
> <input type="checkbox"/> 15 - Demo Job Template	Successful		5/25/2021, 10:06:48 AM	

1 - 5 of 7 items < > 1 of 2 pages > >>

Scheduling

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- Access the schedules for a particular job template from the **Schedules** tab.

Templates > Demo Job Template

Schedules

◀ Back to Templates Details Access Notifications **Schedules** Jobs Survey

☐ Name

1 - 1 of 1

<input type="checkbox"/>	Name ↑	Type	Next Run ↑	Actions
<input type="checkbox"/>	Daily routine schedule	Playbook Run	Next Run 7/3/2022, 6:00:00 PM	<input checked="" type="checkbox"/> On <input type="button" value="Edit"/>

1 - 1 of 1 items

1 of 1 page

Job Slicing

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Job Slicing.

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- A sliced job refers to the concept of a distributed job.
- Distributed jobs are used for running a job across a very large number of hosts, allowing you to run multiple ansible-playbooks, each on a subset of an inventory, that can be scheduled in parallel across a cluster.
- Job slicing works by adding a Job Template field **job_slice_count**, which specifies the number of jobs into which to slice the Ansible run.

Job slice considerations.



- Consider the following when setting up job slices:
- A sliced job creates a workflow job, and then that creates jobs.
- A job slice consists of a job template, an inventory, and a slice count.
- When executed, a sliced job splits each inventory into a number of “**slice size**” chunks. It then queues jobs of ansible-playbook runs on each chunk of the appropriate inventory.

Job slice considerations

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Project

Demo Project

Execution Environment

Control Plane Execution Environment

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Error

Playbook Run

6/13/2022, 1:19:11 PM

6/13/2022, 1:19:11 PM

Launched By

admin

Job Template

Demo Job Template

Inventory

Demo Inventory

Project

Demo Project

Execution Environment

Default execution environment

Credentials

SSH: Demo Credential

Job Slice

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