



Custom Tasks

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Custom Tasks and Script Bundles

Custom tasks enable developers to perform customized operations on Cisco UCS Director resources. You write custom tasks using CloupiasScript, a language similar to JavaScript. You then use your custom tasks like any other task, including them in workflows to orchestrate work on your systems.

Script bundles are collections of custom tasks that are included with each new Cisco UCS Director release for a variety of specific applications. You can download a script bundle and import the custom tasks into Cisco UCS Director.

In both cases the goal is the same: to expand the range of tasks available for use in orchestration workflows in Cisco UCS Director.

When to Use Custom Tasks and Script Bundles

Custom tasks and script bundles supplement the task library that comes with Cisco UCS Director. Use them when there is no existing task that implements the functionality you need.

When to Use Custom Tasks

Use custom tasks when you have a single operation or unit of work that will recur in your workflows, and there is no existing task that performs the operation.

When to Use Script Bundles

Script bundles are provided with every major release. It is worthwhile to investigate new script bundles to see if any of the new or enhanced tasks implement workflow functionality required by your organization.

Using Custom Tasks and Script Bundles

As with any other task, custom tasks and tasks included in script bundles are executed as part of a workflow.

How to Use Custom Tasks

You create custom tasks using a wizard in Cisco UCS Director. To create a custom task, you must supply:

- A name for the custom task.
- Inputs and outputs for the custom task.
- (Optional) Input Controllers, written in Cloupiascript.
- Cloupiascript instructions to do the work of the custom task.

For system requirements and information about how to set up a development environment, install libraries, and begin using CloupiaScript to write custom tasks, see the [Cisco UCS Director Custom Task Getting Started Guide](#).

For examples of creating custom tasks, see the [Cisco UCS Director Custom Task Cookbook](#).

For a reference to Cisco UCS Director Custom Task classes and methods, see the [Cisco UCS Director Javadoc](#).

How to Use Script Bundles

To use the custom tasks in a script bundle, you simply download the script bundle and import custom tasks from the bundle.

To download a script bundle for the current release of Cisco UCS Director, go to [Cisco DevNet](#).

For instructions on importing custom tasks from a script bundle, see *Importing Workflows* in the [Cisco UCS Director Orchestration Guide](#).