OpenShift Pipelines tkn reference

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This section lists the basic `tkn` CLI commands.

Basic syntax

```
tkn [command or options] [arguments…]
```

Global options

```
--help, -h
```

Utility commands

tkn

Parent command for `tkn` CLI.

Example: Display all options

```
$ tkn
```

completion [shell]

Print shell completion code which must be evaluated to provide interactive completion.
Supported shells are `bash` and `zsh`.

Example: Completion code for `bash` shell

```
$ tkn completion bash
```

version

Print version information of the `tkn` CLI.

Example: Check the `tkn version`

```
$ tkn version
```

Pipelines management commands

pipeline

Manage pipelines.

Example: Display help

```
$ tkn pipeline --help
```

pipeline delete

Delete a pipeline.

Example: Delete the `mypipeline` pipeline from a namespace

```
$ tkn pipeline delete mypipeline -n myspace
```

pipeline describe

Describe a pipeline.

Example: Describe the `mypipeline` pipeline

```
$ tkn pipeline describe mypipeline
```

pipeline list

Display a list of pipelines.

Example: Display a list of pipelines

```
$ tkn pipeline list
```

pipeline logs

Display the logs for a specific pipeline.

Example: Stream the live logs for the `mypipeline` pipeline

```
$ tkn pipeline logs -f mypipeline
```

pipeline start

Start a pipeline.

Example: Start the `mypipeline` pipeline

```
$ tkn pipeline start mypipeline
```

Pipeline run commands

pipelinerun

Manage pipeline runs.

Example: Display help

```
$ tkn pipelinerun -h
```

pipelinerun cancel

Cancel a pipeline run.

Example: Cancel the `mypipelinerun` pipeline run from a namespace

```
$ tkn pipelinerun cancel mypipelinerun -n myspace
```

pipelinerun delete

Delete a pipeline run.

Example: Delete pipeline runs from a namespace

```
$ tkn pipelinerun delete mypipelinerun1 mypipelinerun2 -n myspace
```

Example: Delete all pipeline runs from a namespace, except the five most recently executed pipeline runs

```
$ tkn pipelinerun delete -n myspace --keep 5  (1)
```

1 Replace `5` with the number of most recently executed pipeline runs you want to retain.

Example: Delete all pipelines

```
$ tkn pipelinerun delete --all
```

> Starting with Red Hat OpenShift Pipelines 1.6, the `tkn pipelinerun delete --all` command does not delete any resources that are in the running state.

pipelinerun describe

Describe a pipeline run.

Example: Describe the `mypipelinerun` pipeline run in a namespace

```
$ tkn pipelinerun describe mypipelinerun -n myspace
```

pipelinerun list

List pipeline runs.

Example: Display a list of pipeline runs in a namespace

```
$ tkn pipelinerun list -n myspace
```

pipelinerun logs

Display the logs of a pipeline run.

Example: Display the logs of the `mypipelinerun` pipeline run with all tasks and steps in a namespace

```
$ tkn pipelinerun logs mypipelinerun -a -n myspace
```

Task management commands

task

Manage tasks.

Example: Display help

```
$ tkn task -h
```

task delete

Delete a task.

Example: Delete `mytask1` and `mytask2` tasks from a namespace

```
$ tkn task delete mytask1 mytask2 -n myspace
```

task describe

Describe a task.

Example: Describe the `mytask` task in a namespace

```
$ tkn task describe mytask -n myspace
```

task list

List tasks.

Example: List all the tasks in a namespace

```
$ tkn task list -n myspace
```

task logs

Display task logs.

Example: Display logs for the `mytaskrun` task run of the `mytask` task

```
$ tkn task logs mytask mytaskrun -n myspace
```

task start

Start a task.

Example: Start the `mytask` task in a namespace

```
$ tkn task start mytask -s <ServiceAccountName> -n myspace
```

Task run commands

taskrun

Manage task runs.

Example: Display help

```
$ tkn taskrun -h
```

taskrun cancel

Cancel a task run.

Example: Cancel the `mytaskrun` task run from a namespace

```
$ tkn taskrun cancel mytaskrun -n myspace
```

taskrun delete

Delete a TaskRun.

Example: Delete the `mytaskrun1` and `mytaskrun2` task runs from a namespace

```
$ tkn taskrun delete mytaskrun1 mytaskrun2 -n myspace
```

Example: Delete all but the five most recently executed task runs from a namespace

```
$ tkn taskrun delete -n myspace --keep 5  (1)
```

1 Replace `5` with the number of most recently executed task runs you want to retain.

taskrun describe

Describe a task run.

Example: Describe the `mytaskrun` task run in a namespace

```
$ tkn taskrun describe mytaskrun -n myspace
```

taskrun list

List task runs.

Example: List all the task runs in a namespace

```
$ tkn taskrun list -n myspace
```

taskrun logs

Display task run logs.

Example: Display live logs for the `mytaskrun` task run in a namespace

```
$ tkn taskrun logs -f mytaskrun -n myspace
```

Condition management commands

condition

Manage Conditions.

Example: Display help

```
$ tkn condition --help
```

condition delete

Delete a Condition.

Example: Delete the `mycondition1` Condition from a namespace

```
$ tkn condition delete mycondition1 -n myspace
```

condition describe

Describe a Condition.

Example: Describe the `mycondition1` Condition in a namespace

```
$ tkn condition describe mycondition1 -n myspace
```

condition list

List Conditions.

Example: List Conditions in a namespace

```
$ tkn condition list -n myspace
```

Pipeline Resource management commands

resource

Manage Pipeline Resources.

Example: Display help

```
$ tkn resource -h
```

resource create

Create a Pipeline Resource.

Example: Create a Pipeline Resource in a namespace

```
$ tkn resource create -n myspace
```

This is an interactive command that asks for input on the name of the Resource, type of the Resource, and the values based on the type of the Resource.

resource delete

Delete a Pipeline Resource.

Example: Delete the `myresource` Pipeline Resource from a namespace

```
$ tkn resource delete myresource -n myspace
```

resource describe

Describe a Pipeline Resource.

Example: Describe the `myresource` Pipeline Resource

```
$ tkn resource describe myresource -n myspace
```

resource list

List Pipeline Resources.

Example: List all Pipeline Resources in a namespace

```
$ tkn resource list -n myspace
```

ClusterTask management commands

> **!** In Red Hat OpenShift Pipelines 1.10, ClusterTask functionality of the `tkn` command line utility is deprecated and is planned to be removed in a future release.

clustertask

Manage ClusterTasks.

Example: Display help

```
$ tkn clustertask --help
```

clustertask delete

Delete a ClusterTask resource in a cluster.

Example: Delete `mytask1` and `mytask2` ClusterTasks

```
$ tkn clustertask delete mytask1 mytask2
```

clustertask describe

Describe a ClusterTask.

Example: Describe the `mytask` ClusterTask

```
$ tkn clustertask describe mytask1
```

clustertask list

List ClusterTasks.

Example: List ClusterTasks

```
$ tkn clustertask list
```

clustertask start

Start ClusterTasks.

Example: Start the `mytask` ClusterTask

```
$ tkn clustertask start mytask
```

Trigger management commands

eventlistener

Manage EventListeners.

Example: Display help

```
$ tkn eventlistener -h
```

eventlistener delete

Delete an EventListener.

Example: Delete `mylistener1` and `mylistener2` EventListeners in a namespace

```
$ tkn eventlistener delete mylistener1 mylistener2 -n myspace
```

eventlistener describe

Describe an EventListener.

Example: Describe the `mylistener` EventListener in a namespace

```
$ tkn eventlistener describe mylistener -n myspace
```

eventlistener list

List EventListeners.

Example: List all the EventListeners in a namespace

```
$ tkn eventlistener list -n myspace
```

eventlistener logs

Display logs of an EventListener.

Example: Display the logs of the `mylistener` EventListener in a namespace

```
$ tkn eventlistener logs mylistener -n myspace
```

triggerbinding

Manage TriggerBindings.

Example: Display TriggerBindings help

```
$ tkn triggerbinding -h
```

triggerbinding delete

Delete a TriggerBinding.

Example: Delete `mybinding1` and `mybinding2` TriggerBindings in a namespace

```
$ tkn triggerbinding delete mybinding1 mybinding2 -n myspace
```

triggerbinding describe

Describe a TriggerBinding.

Example: Describe the `mybinding` TriggerBinding in a namespace

```
$ tkn triggerbinding describe mybinding -n myspace
```

triggerbinding list

List TriggerBindings.

Example: List all the TriggerBindings in a namespace

```
$ tkn triggerbinding list -n myspace
```

triggertemplate

Manage TriggerTemplates.

Example: Display TriggerTemplate help

```
$ tkn triggertemplate -h
```

triggertemplate delete

Delete a TriggerTemplate.

Example: Delete `mytemplate1` and `mytemplate2` TriggerTemplates in a namespace

```
$ tkn triggertemplate delete mytemplate1 mytemplate2 -n `myspace`
```

triggertemplate describe

Describe a TriggerTemplate.

Example: Describe the `mytemplate` TriggerTemplate in a namespace

```
$ tkn triggertemplate describe mytemplate -n `myspace`
```

triggertemplate list

List TriggerTemplates.

Example: List all the TriggerTemplates in a namespace

```
$ tkn triggertemplate list -n myspace
```

clustertriggerbinding

Manage ClusterTriggerBindings.

Example: Display ClusterTriggerBindings help

```
$ tkn clustertriggerbinding -h
```

clustertriggerbinding delete

Delete a ClusterTriggerBinding.

Example: Delete `myclusterbinding1` and `myclusterbinding2` ClusterTriggerBindings

```
$ tkn clustertriggerbinding delete myclusterbinding1 myclusterbinding2
```

clustertriggerbinding describe

Describe a ClusterTriggerBinding.

Example: Describe the `myclusterbinding` ClusterTriggerBinding

```
$ tkn clustertriggerbinding describe myclusterbinding
```

clustertriggerbinding list

List ClusterTriggerBindings.

Example: List all ClusterTriggerBindings

```
$ tkn clustertriggerbinding list
```

Hub interaction commands

Interact with Tekton Hub for resources such as tasks and pipelines.

hub

Interact with hub.

Example: Display help

```
$ tkn hub -h
```

Example: Interact with a hub API server

```
$ tkn hub --api-server https://api.hub.tekton.dev
```

> 🛈   For each example, to get the corresponding sub-commands and flags, run `tkn hub <command> --help`.

hub downgrade

Downgrade an installed resource.

Example: Downgrade the `mytask` task in the `mynamespace` namespace to it's older version

```
$ tkn hub downgrade task mytask --to version -n mynamespace
```

hub get

Get a resource manifest by its name, kind, catalog, and version.

Example: Get the manifest for a specific version of the `myresource` pipeline or task from the `tekton` catalog

```
$ tkn hub get [pipeline | task] myresource --from tekton --version
version
```

hub info

Display information about a resource by its name, kind, catalog, and version.

Example: Display information about a specific version of the `mytask` task from the `tekton` catalog

```
$ tkn hub info task mytask --from tekton --version version
```

hub install

Install a resource from a catalog by its kind, name, and version.

Example: Install a specific version of the `mytask` task from the `tekton` catalog in the `mynamespace` namespace

```
$ tkn hub install task mytask --from tekton --version version -n
mynamespace
```

hub reinstall

Reinstall a resource by its kind and name.

Example: Reinstall a specific version of the `mytask` task from the `tekton` catalog in the `mynamespace` namespace

```
$ tkn hub reinstall task mytask --from tekton --version version -n
mynamespace
```

hub search

Search a resource by a combination of name, kind, and tags.

Example: Search a resource with a tag `cli`

```
$ tkn hub search --tags cli
```

hub upgrade

Upgrade an installed resource.

Example: Upgrade the installed `mytask` task in the `mynamespace` namespace to a new version

```
$ tkn hub upgrade task mytask --to version -n mynamespace
```