# Tekton CLI Tekton pipelines CLI

## CONCEPTS

tkn talks to whichever cluster and namespace kubectl currently points at. Pass -n <ns> or -c <ctx> to override, and check them before deleting.

**Pipeline** ordered tasks
↓ start
**PipelineRun** one execution
↓ creates
**TaskRun** per task
↓ runs
**Pod** one step per container

Definitions are reusable; each start creates a run

Aliases: pr = pipelinerun, tr = taskrun, p = pipeline, t = task. Commands take a run name, or --last for the newest.

## PIPELINES

**tkn pipeline list**
List pipelines

**tkn pipeline describe** *<name>*
Params, workspaces, tasks, recent runs

**tkn pipeline start** *<name>*
Start a run (prompts for params)

**tkn pipeline start** *<name>* **-p** *<key>*=*<val>*
Pass a parameter

**tkn pipeline start** *<name>* **--showlog**
Start and stream logs

**tkn pipeline start** *<name>* **--use-param-defaults**
Skip param prompts

**tkn pipeline start** *<name>* **-L**
Rerun with last run's values

**tkn pipeline start -f** *<file>*
Start from a local or remote file

**tkn pipeline start** *<name>* **--dry-run -o yaml**
Preview the PipelineRun

**tkn pipeline start** *<name>* **-s** *<sa>*
Use a service account

**tkn pipeline logs** *<name>*
Logs of a pipeline's run

## PIPELINES (cont.)

**tkn pipeline delete** *<name>*
Delete a pipeline

## WORKSPACES

**-w name=***<ws>***,emptyDir=**
Scratch dir for the run

**-w name=***<ws>***,claimName=***<pvc>*
Bind an existing PVC

**-w name=***<ws>***,secret=***<secret>*
Mount a secret

**-w name=***<ws>***,config=***<cm>*
Mount a config map

-w works on pipeline start and task start. Without it tkn prompts for each workspace the definition declares.

## PIPELINERUNS

**tkn pr list**
List runs

**tkn pr list -A**
Runs in all namespaces

**tkn pr describe** *<run>*
Status, params, task runs

**tkn pr describe --last**
Describe newest run

**tkn pr logs** *<run>*
Show run logs

**tkn pr logs** *<run>* **-f**
Stream logs live

**tkn pr logs --last**
Logs of newest run

**tkn pr logs** *<run>* **--log-failed**
Only failed tasks and steps

**tkn pr logs** *<run>* **-t** *<task>*
Only one task's logs

**tkn pr cancel** *<run>*
Cancel a running run

**tkn pr delete** *<run>***...**
Delete runs by name

**tkn pr delete --keep** *<n>*
Keep the n newest

**tkn pr delete --all**
Delete all runs in namespace

## PIPELINERUNS (cont.)

**tkn pr delete -p** *<pipeline>*
Delete a pipeline's runs

## TASKS

**tkn task list**
List tasks

**tkn task describe** *<name>*
Params, steps, recent runs

**tkn task start** *<name>*
Start a task run

**tkn task start** *<name>* **-p** *<key>*=*<val>* **--showlog**
Pass params and follow

**tkn task start** *<name>* **-L**
Rerun with last values

**tkn task start -f** *<file>*
Start from a file

**tkn task start** *<name>* **--dry-run**
Preview the TaskRun

**tkn task logs** *<name>*
Logs of a task's run

**tkn task delete** *<name>*
Delete a task

## TASKRUNS

**tkn tr list**
List task runs

**tkn tr describe** *<run>*
Steps, status, results

**tkn tr logs** *<run>* **-f**
Stream logs live

**tkn tr logs** *<run>* **-s** *<step>*
One step only

**tkn tr logs --last**
Logs of newest run

**tkn tr cancel** *<run>*
Cancel a run

**tkn tr delete --keep** *<n>*
Keep the n newest

## OUTPUT & SCRIPTING

**tkn pr list -o name**
Names only

**tkn pr list -o json**
Machine-readable output