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)

PIPELINES (cont.)

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

tkn pipeline delete *<name>*
Delete a pipeline

WORKSPACES

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

WORKSPACES (cont.)

-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 list --limit *<n>*
Cap the number shown

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

PIPELINERUNS (cont.)

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

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

TASKS (cont.)

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