DrDroid

Tekton Cheatsheet

Setup and Installation

kubectl apply -f https://storage.googleapis.com/tekton-releases/pipeline/latest/release.yaml
Install Tekton Pipelines

kubectl apply -f https://storage.googleapis.com/tekton-releases/dashboard/latest/tekton-dashboard-release.yaml
Install Tekton Dashboard

kubectl apply -f https://storage.googleapis.com/tekton-releases/triggers/latest/release.yaml
Install Tekton Triggers

Task Management

kubectl apply -f task.yaml
Create a task

kubectl get tasks
List all tasks

kubectl describe task <task-name>
Get details of a specific task

kubectl delete task <task-name>
Delete a task

Pipeline Management

kubectl apply -f pipeline.yaml
Create a pipeline

kubectl get pipelines
List all pipelines

kubectl describe pipeline <pipeline-name>
Get details of a specific pipeline

kubectl delete pipeline <pipeline-name>
Delete a pipeline

PipelineRun Management

kubectl apply -f pipelinerun.yaml
Create a pipeline run

kubectl create -f pipelinerun.yaml
Create a pipeline run (alternative)

tkn pipeline start <pipeline-name>
Start a pipeline using tkn CLI

kubectl get pipelineruns
List all pipeline runs

kubectl describe pipelinerun <pipelinerun-name>
Get details of a specific pipeline run

kubectl delete pipelinerun <pipelinerun-name>
Delete a pipeline run

TaskRun Management

kubectl apply -f taskrun.yaml
Create a task run

tkn task start <task-name>
Start a task using tkn CLI

kubectl get taskruns
List all task runs

kubectl describe taskrun <taskrun-name>
Get details of a specific task run

kubectl delete taskrun <taskrun-name>
Delete a task run

Logs and Debugging

kubectl logs <taskrun-pod-name>
Get logs of a task run pod

tkn pipelinerun logs <pipelinerun-name>
Get logs of a pipeline run using tkn CLI

tkn taskrun logs <taskrun-name>
Get logs of a task run using tkn CLI

TKN CLI Commands

tkn pipeline list
List all pipelines

tkn task list
List all tasks

tkn pipelinerun list
List all pipeline runs

tkn taskrun list
List all task runs

tkn resource list
List all pipeline resources

tkn hub search
Search for tasks/pipelines in Tekton Hub

tkn hub install task <task-name>
Install a task from Tekton Hub

Tekton Triggers

kubectl apply -f trigger.yaml
Create a trigger

kubectl get triggers
List all triggers

kubectl describe trigger <trigger-name>
Get details of a specific trigger

kubectl delete trigger <trigger-name>
Delete a trigger

kubectl apply -f triggerbinding.yaml
Create a trigger binding

kubectl apply -f triggertemplate.yaml
Create a trigger template

kubectl apply -f eventlistener.yaml
Create an event listener