**TEKTON Setup – Configuration**

**Tekton Pipelines**

**Pre-Requisites:**

Kubernetes cluster needs to set-up

Run below command:

kubectl apply --filename https://storage.googleapis.com/tekton-releases/pipeline/latest/release.yaml

**Tekton CLI**

For Windows :

choco install tektoncd-cli --confirm

For other OS: go through - <https://github.com/tektoncd/cli>

**Tekton dashboard** –

Command : kubectl apply --filename https://storage.googleapis.com/tekton-releases/dashboard/latest/tekton-dashboard-release.yaml

**Pre-requisites**

In order to install the Tekton Dashboard, please make sure the following requirements are met:

* A [kubernetes cluster](https://github.com/kubernetes/kubernetes) must be installed with version 1.15.0 or later.
* [Tekton Pipelines](https://github.com/tektoncd/pipeline) must be installed in the cluster. See [Installing Tekton Pipelines](https://github.com/tektoncd/pipeline/blob/master/docs/install.md) to install Tekton Pipelines in your cluster.
* Optionally, install [Tekton Triggers](https://github.com/tektoncd/triggers). See [Installing Tekton Triggers](https://github.com/tektoncd/triggers/blob/master/docs/install.md) to install Tekton Triggers in your cluster.

***Accessing Tekton Dashboard on Kubernetes:***

Note: By default, the Dashboard is not exposed outside the cluster.

3 ways to access

*1. kubectl proxy*

Command: kubectl proxy

<http://localhost:8001/api/v1/namespaces/tekton-pipelines/services/tekton-dashboard:http/proxy/>

*2. kubectl port-forward*

kubectl --namespace tekton-pipelines port-forward svc/tekton-dashboard 9097:9097

<http://localhost:9097/>

*3. Ingress Rule*

Advanced solution to expose Dashboard

Doesn’t require ‘Kubectl ‘

Pre-req:

tekton-pipelines is the install namespace for the Dashboard

Ingress controller is required ([ingress controller](https://kubernetes.io/docs/concepts/services-networking/ingress-controllers/))