



Tekton Pipelines



The Tekton Pipelines project provides k8s-style resources for declaring CI/CD-style pipelines.

Tekton Pipelines are **Cloud Native**:

- Run on Kubernetes
- Have Kubernetes clusters as a first class type
- Use containers as their building blocks

Tekton Pipelines are **Decoupled**:

- One Pipeline can be used to deploy to any k8s cluster
- The Tasks which make up a Pipeline can easily be run in isolation
- Resources such as git repos can easily be swapped between runs

Tekton Pipelines are **Typed**:

- The concept of typed resources means that for a resource such as an [Image](#), implementations can easily be swapped out (e.g. building with kaniko v.s. buildkit)

Want to start using Pipelines

- Installing Tekton Pipelines
- Jump in with the “Getting started” tutorial!
- Take a look at our roadmap
- Discover our releases

Required Kubernetes Version

- Starting from the v0.24.x release of Tekton: **Kubernetes version 1.18 or later**
- Starting from the v0.27.x release of Tekton: **Kubernetes version 1.19 or later**
- Starting from the v0.30.x release of Tekton: **Kubernetes version 1.20 or later**
- Starting from the v0.33.x release of Tekton: **Kubernetes version 1.21 or later**
- Starting from the v0.39.x release of Tekton: **Kubernetes version 1.22 or later**
- Starting from the v0.41.x release of Tekton: **Kubernetes version 1.23 or later**
- Starting from the v0.45.x release of Tekton: **Kubernetes version 1.24 or later**

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- Starting from the v0.51.x release of Tekton: **Kubernetes version 1.25 or later**
 - Starting from the v0.59.x release of Tekton: **Kubernetes version 1.27 or later**

Read the docs

The latest version of our docs is available at:

- [Installation Guide @ HEAD](#)
- [Docs @ HEAD](#)
- [Examples @ HEAD](#)

Version specific links are available in the releases page and on the Tekton website.

See our [API compatibility policy](#) for info on the stability level of the API.

See our [Deprecations table](#) for features that have been deprecated and the earliest date they'll be removed.

Migrating

v1beta1 to v1

Several Tekton CRDs and API spec fields, including ClusterTask CRD and Pipeline Resources fields, were updated or deprecated during the migration from [v1beta1](#) to [v1](#).

For users migrating their Tasks and Pipelines from [v1beta1](#) to [v1](#), check out the [v1beta1 to v1 migration guide](#).

v1alpha1 to v1beta1

In the move from v1alpha1 to v1beta1 several spec fields and Tekton CRDs were updated or removed .

For users migrating their Tasks and Pipelines from v1alpha1 to v1beta1, check out the [spec changes and migration paths](#).

Want to contribute

We are so excited to have you!

- See [CONTRIBUTING.md](#) for an overview of our processes

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- See DEVELOPMENT.md for how to get started
 - Deep dive into demystifying the inner workings (advanced reading material)
 - Look at our good first issues and our help wanted issues