

OPENSIFT



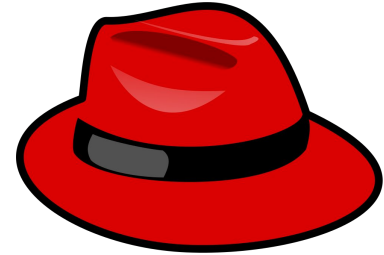
TEKTON



> **whoami**

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SUMMARY

- ❏ Presentation
 - ❏ CI/CD
 - ❏ Tekton
- ❏ How it works
 - ❏ Main components
 - ❏ Custom resources
- ❏ Demonstration
 - ❏ Pipeline
 - ❏ Demo on OpenShift

Presentation

CI/CD

- ❑ Introducing automation into application lifecycle
 - ❑ Building, Testing, Versioning, Deploying, Monitoring



Source: [redhat.com](https://www.redhat.com)



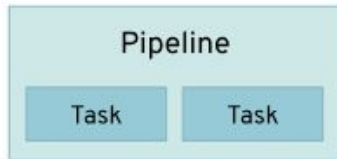
Tekton

- ❏ Kubernetes-native
- ❏ Open-source CI/CD framework
- ❏ Enables automating deployments across multiple platforms (Kubernetes, serverless, VMs, etc)
- ❏ Abstracting away the underlying infrastructure

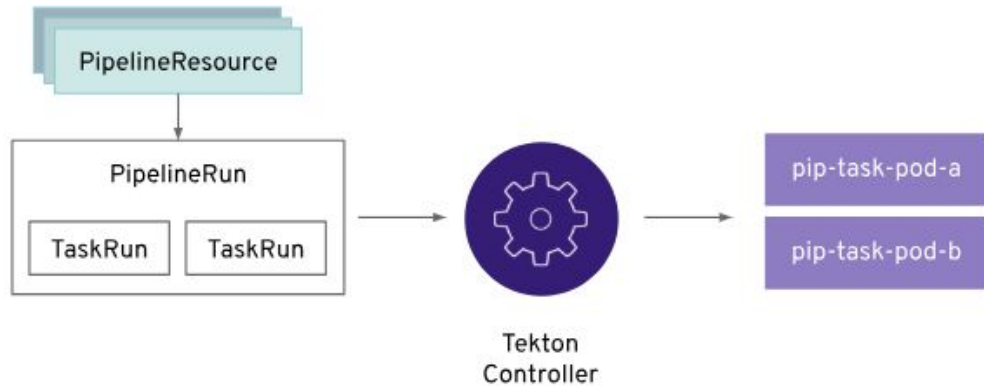
How it works?

Main Components

Define pipeline



Invoke pipelines





Custom resources

Task

Pipeline

PipelineResource

TaskRun

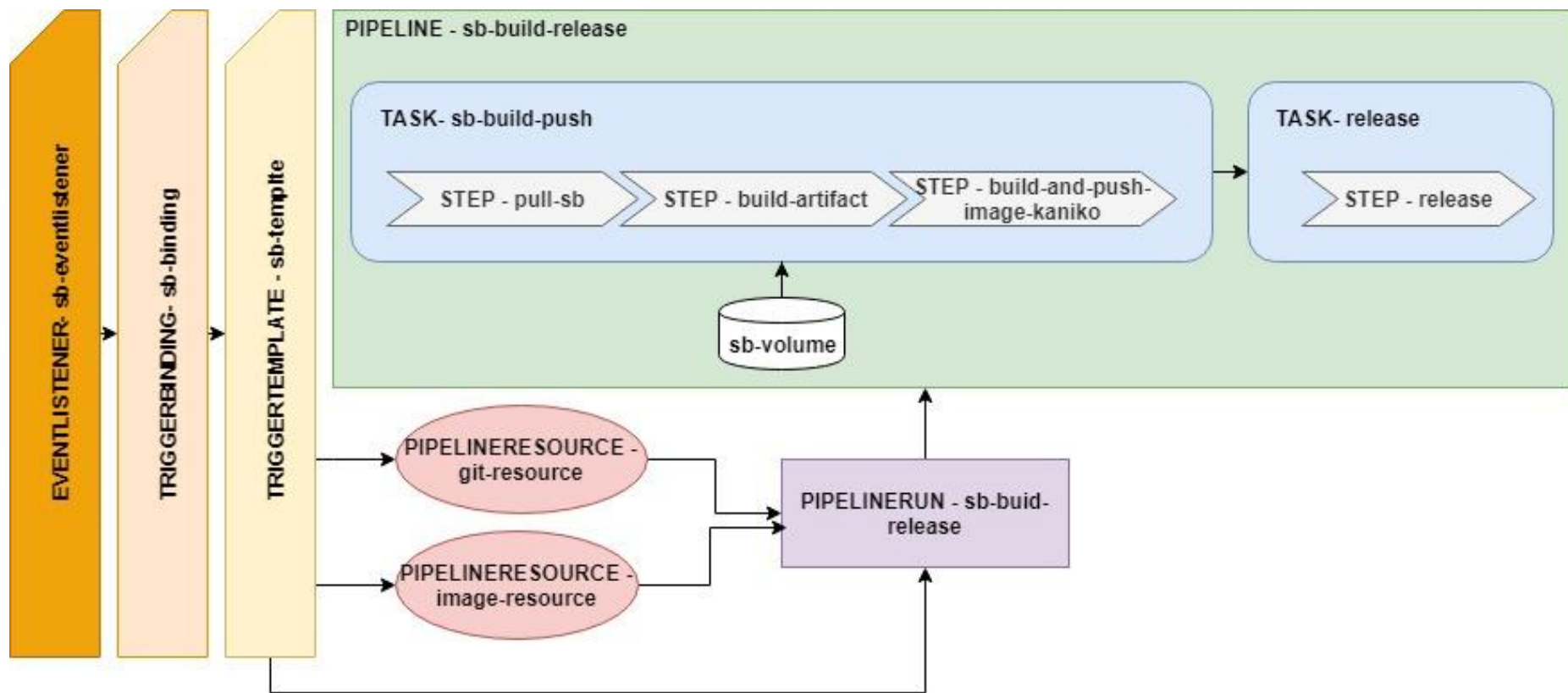
PipelineRun

TriggerTemplate

TriggerBinding

EventListener

Demonstration



Demo on OpenShift

<https://github.com/saberkan/tekton-tutorial.git>