

Cl

Rafał Manhart







Cl

?



GitLab

Danger Bot

Bors Tech: Homu

Prow

Lighthouse

TriangeBot

MargeBot

MergeBot

Merge Trains*

Drone CI*

Danger Bot

Bors Tech: Homu

Prow

Lighthouse

TriangeBot

MargeBot

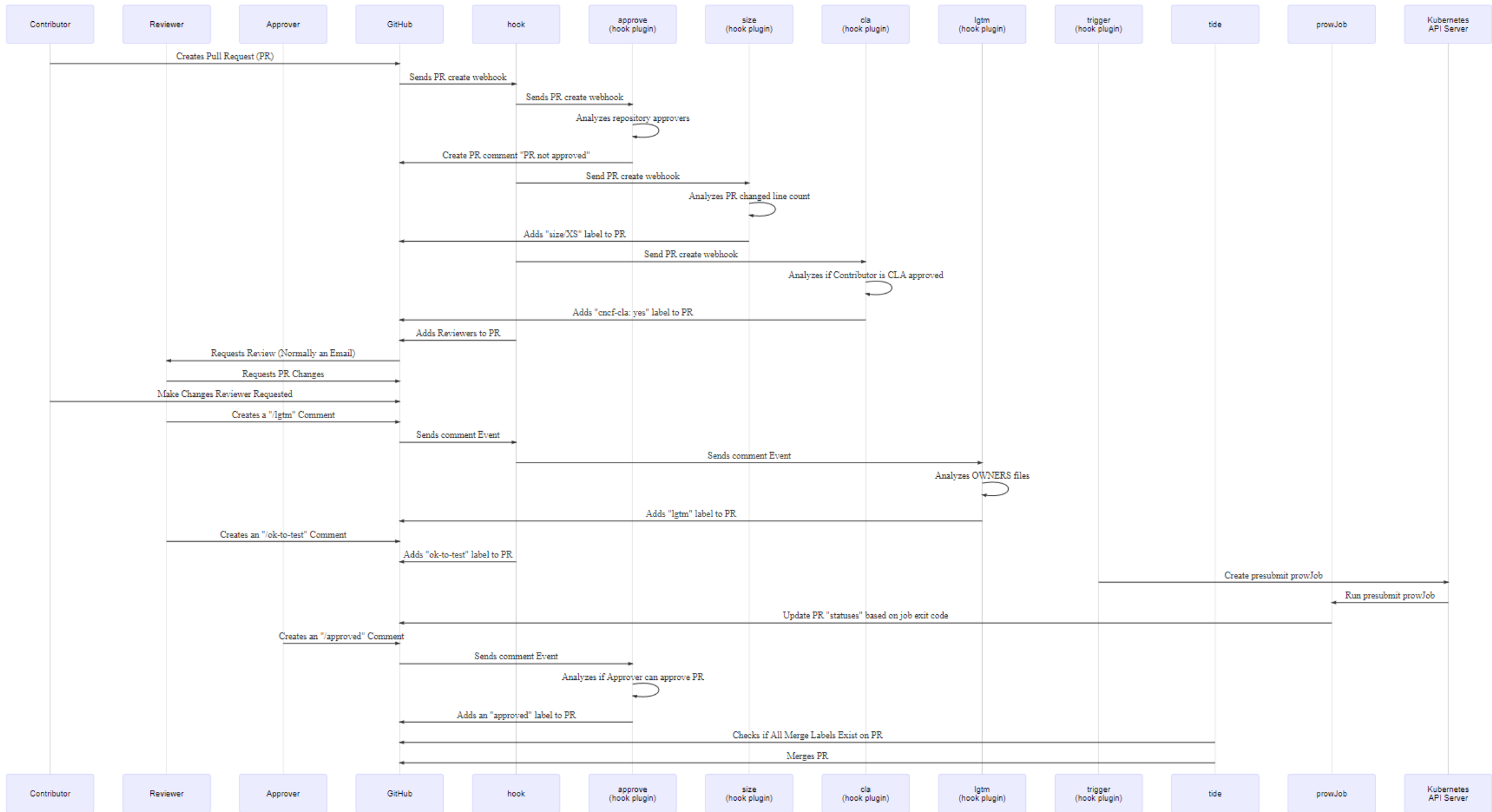
MergeBot

Merge Trains*

Drone CI*



Demo – what is prow – kubernetes clip





RafalMaleska commented 24 days ago



What is the status of this issue?

I was trying to use Lighthouse for Prow integration into Gitlab - it seems that it provides only basic prow functionality and requires JenkinsX installation.

Is there a RoadMap to develop Prow further?



alvaroaleman commented 24 days ago

Member



What is the status of this issue?

If someone is interested in working on there will be progress.

Is there a RoadMap to develop Prow further?

No, prow is mostly developed by the ppl that use it according to their needs



1

Danger Bot

Bors Tech: Homu

Prow

Lighthouse

TriangeBot

MargeBot

MergeBot

Merge Trains*

Drone CI*

Danger Bot

Bors Tech: Homu

Prow

Lighthouse

TriangeBot

MargeBot

MergeBot

Merge Trains*

Drone CI*



JENKINSX



- **lighthouse-webhooks** converts webhooks from your git provider into `LighthouseJob` custom resources
- **lighthouse-tekton-controller** converts `LighthouseJob` custom resources into [tekton](#) `PipelineRun` resources (the [tekton controller](#) converts `PipelineRun` resources into kubernetes `Pods`)
- **lighthouse-foghorn** watches the execution of `PipelineRun` resources triggered by lighthouse and updates the pipeline status in git so that you see pipelines start, complete or fail on your git provider along with having links the [pipelines visualizer](#) on each context on a Pull Request
- **lighthouse-keeper** looks for open Pull Requests with green pipelines and the necessary **approve** labels to be able to auto merge
- **lighthouse-gc-jobs** periodically garbage collects `LighthouseJob` resources and their associated resources (e.g. `PipelineRun` and `Pods`)

Demo – what is lighthouse and how it works



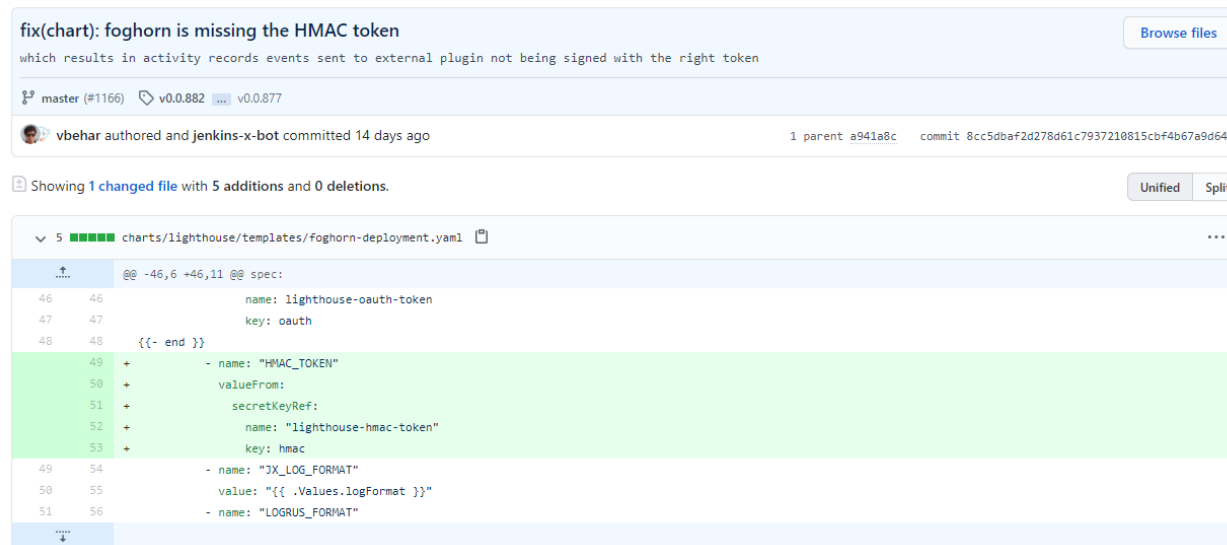


James Strachan 10 days ago

lighthouse is working perfectly inside Jenkins X 😊 - I guess you're gonna have to debug foghorn to see what different about your pipeline

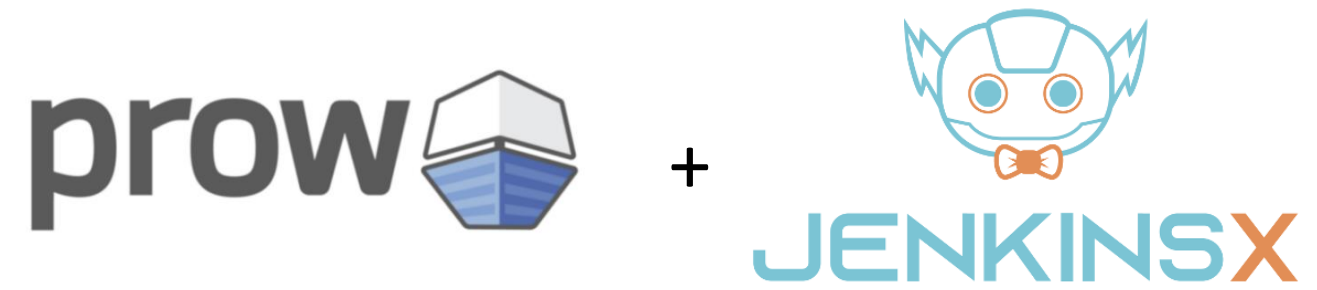
- json payload can not be handed over to tekton pipeline (which git repo to clone?)
- config.yaml & plugins.yaml for configuration

•



The screenshot shows a GitHub commit diff for the file `charts/lighthouse/templates/foghorn-deployment.yaml`. The commit message is "fix(chart): foghorn is missing the HMAC token" and it includes a description: "which results in activity records events sent to external plugin not being signed with the right token". The commit was authored by vbehar and committed by jenkins-x-bot 14 days ago. The diff shows 5 additions and 0 deletions. The changes are in the `spec` section of the deployment, where a new `secretKeyRef` is added for the `hmac` key, pointing to a secret named `lighthouse-hmac-token`. The existing `oauth` key remains unchanged.

```
@@ -46,6 +46,11 @@ spec:
  46 46         name: lighthouse-oauth-token
  47 47         key: oauth
  48 48     {{- end }}
+ 49 +     - name: "HMAC_TOKEN"
+ 50 +       valueFrom:
+ 51 +         secretKeyRef:
+ 52 +           name: "lighthouse-hmac-token"
+ 53 +           key: hmac
  49 54     - name: "JX_LOG_FORMAT"
  50 55       value: "{{ .Values.logFormat }}"
  51 56     - name: "LOGRUS_FORMAT"
```



vs.

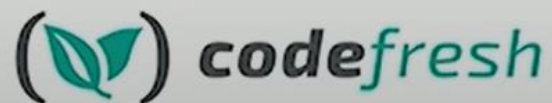




Travis CI



Concourse



AWS CodePipeline



Serverless	Serverless execution
Specs and standards	Tekton API
Infrastructure agnostic	Containers are the building block
Reusable components +	Tasks, Pipelines, PipelineResources, TriggerTemplates,

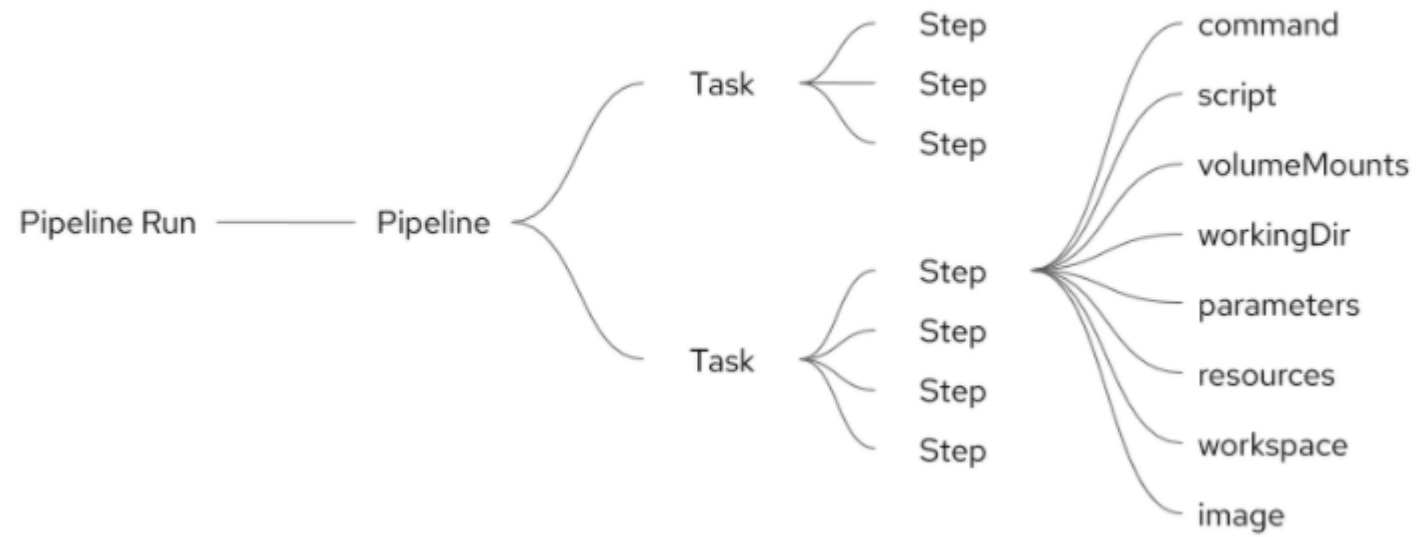
Contributors from:

- Google
- CloudBees
- Red Hat
- IBM
- Salesforce
- Puppet
- ... and more!

New contributor friendly!



Demo – tekton – how to install it



Demo – tekton – task run

Demo – tekton – pipeline run

Pipeline Resources

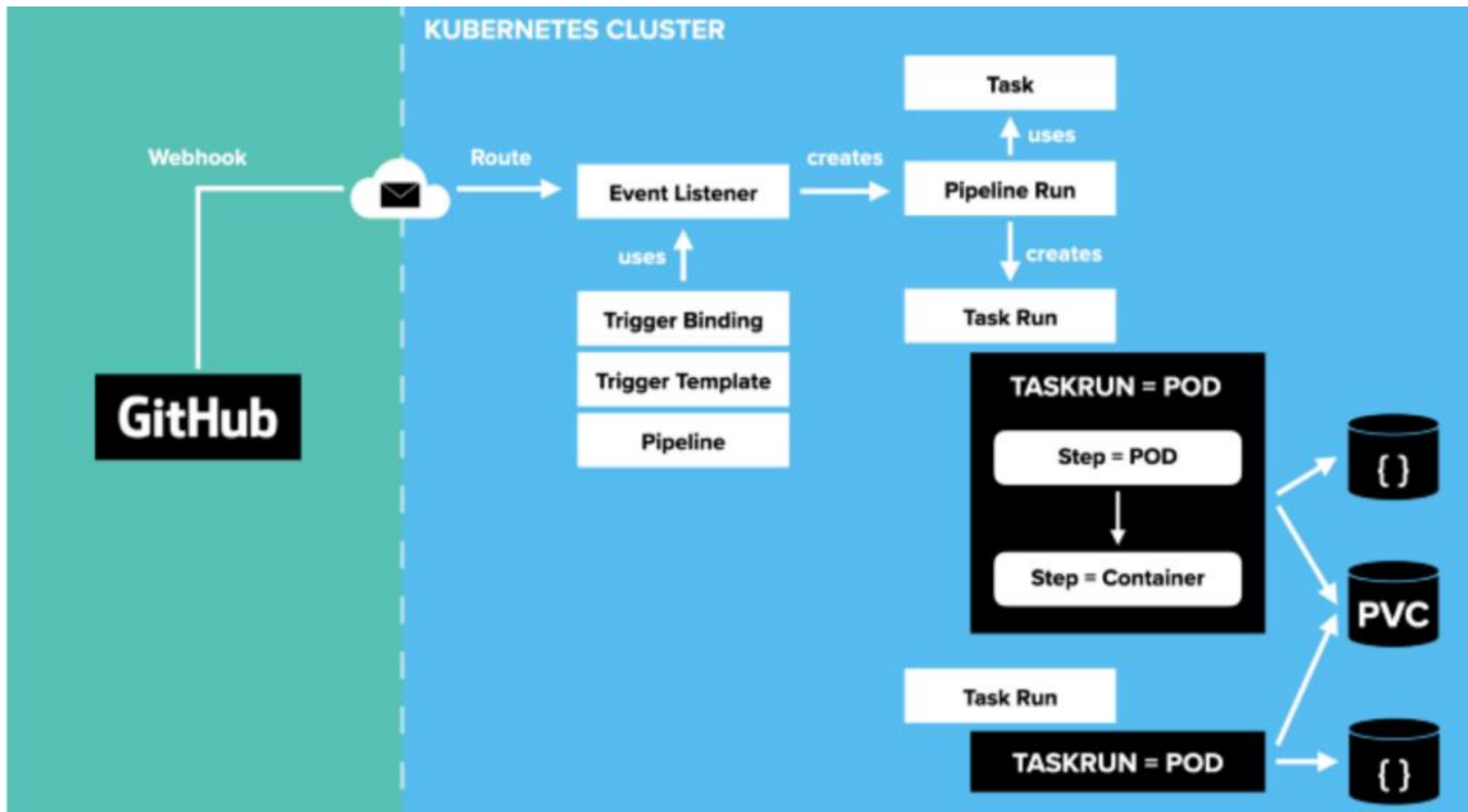
```
apiVersion: tekton.dev/v1alpha1
kind: PipelineResource
metadata:
  name: wizzbang-git
  namespace: default
spec:
  type: git
  params:
    - name: url
      value: https://github.com/wizzbangcorp/wizzbang.git
    - name: revision
      value: master
```

- Resource types
 - Git Resource
 - Pull Request Resource
 - Image Resource
 - Cluster Resource
 - Storage Resource
 - GCS Storage Resource
 - BuildGCS Storage Resource
 - Cloud Event Resource

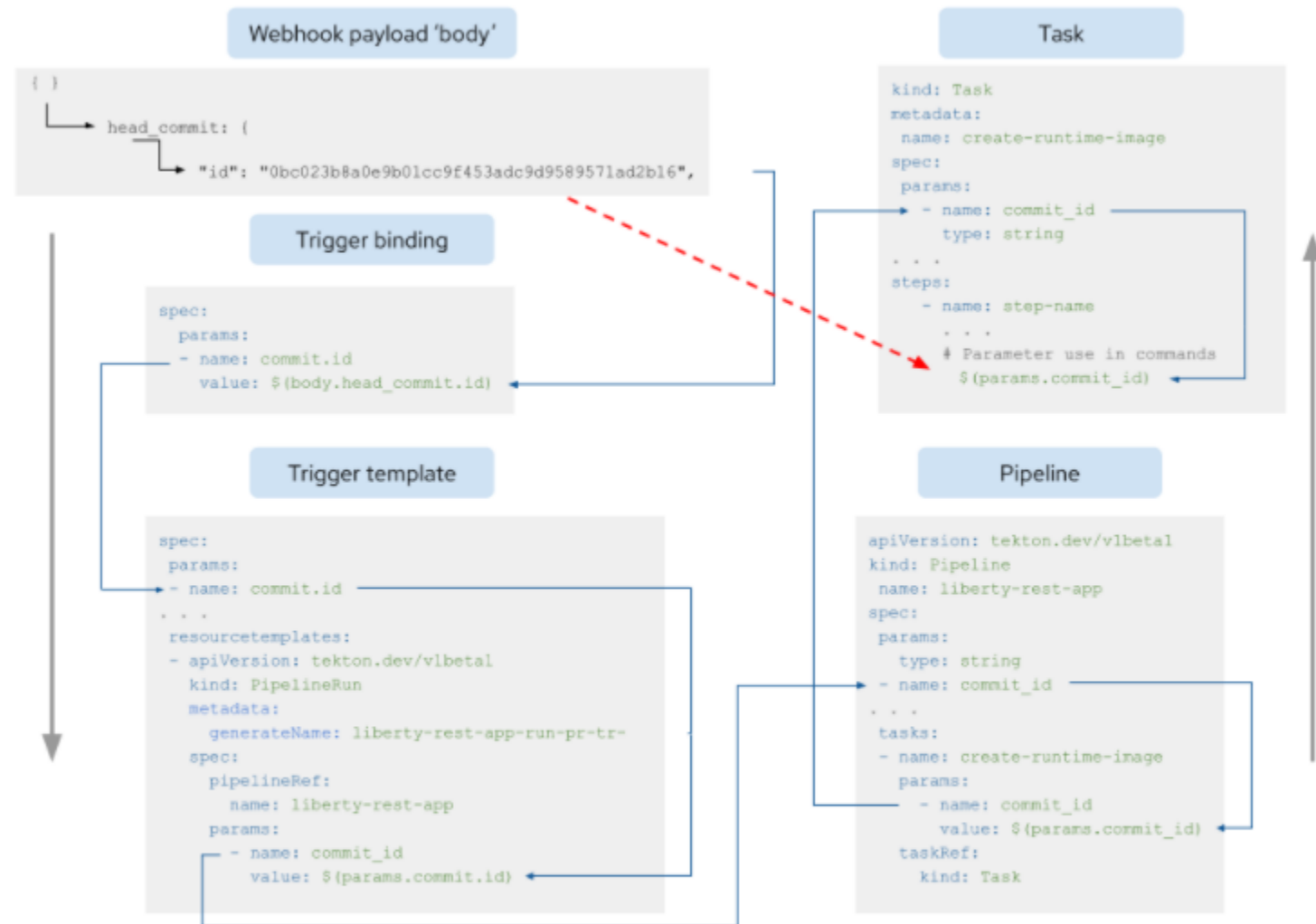
Demo – tekton – webhook in gitlab





Demo – tekton – install triggers



Demo – tekton – simple triggers demo



proW  + 
JENKINSX



vs.



?

ABRACADABRA!





Kevin

Commit
Status
Tracker



```
apiVersion: tekton.dev/v1alpha1
kind: PipelineRun
metadata:
  name: demo-pipeline-run
  annotations:
    "tekton.dev/git-status": "true"
    "tekton.dev/status-context": "demo-pipeline"
    "tekton.dev/status-description": "this is a test"
spec:
  pipelineRef:
    name: demo-pipeline
  serviceAccountName: 'default'
  resources:
  - name: source
    resourceSpec:
      type: git
      params:
        - name: revision
          value: insert revision
        - name: url
          value: https://github.com/this/repo
```

The revision here should be the full commit SHA from the HEAD of a branch associated with a Pull Request.

The annotations are:

Name	Description	Required	Default
tekton.dev/git-status	This indicates that this PipelineRun should trigger commit-status notifications.	Yes	
tekton.dev/status-context	This is the context that will be reported, you can require named contexts in your branch protection rules.	No	"default"
tekton.dev/status-description	This is used as the description of the context, not the commit.	No	""
tekton.dev/status-target-url	If provided, then this will be linked in the GitHub web UI, this could be used to link to logs or output.	No	""

Demo – tekton – commit status install and demo run

proW  + 
JENKINSX





ABRACADABRA!



VS.



	Prow	Tekton
GitHub webhook	hook	triggers (with interceptors)
Job execution / lifecycle	plank	pipeline
Dashboard	deck	
Merging "bot"	tide	
Periodics job	horologium	triggers + k8s cronjobs
Garbage collection	sinker	

proW  + 
JENKINSX

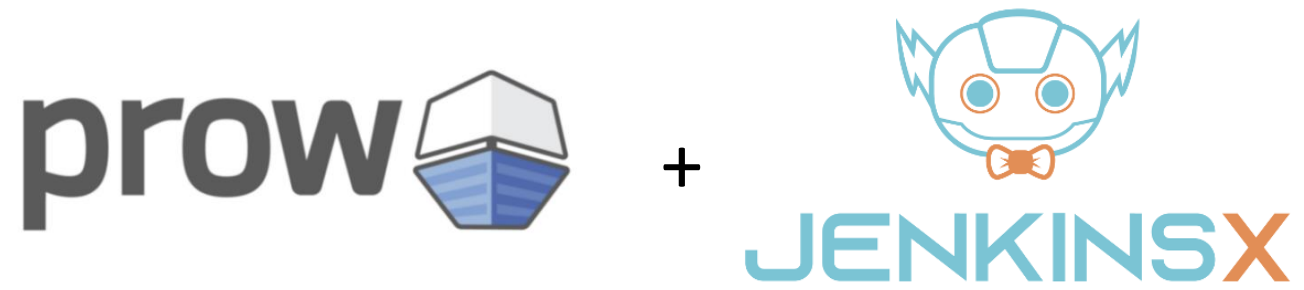


ABRACADABRA!



VS.





vs.





vs.



there is more...

- CEL Interceptors (incorporated into)
- Conditions (deprecated)
- Experimental
- Results - API Server
- Notifier (PR Stage)
- Tekton Controller (old versions)
- Hub