

Day 8

Info - Tekton Jargons

- Red Hat Pipeline operator installs Tekton Knative Serverless Pipeline Framework into openshift
- the operators also adds many Custom Resources like
 - Task
 - TaskRun
 - Pipeline
 - PipelineRun
 - PipelineResources
 - Catalog
 - Tekton Trigger

Info - What is a Step in Tekton Task?

- Step is a Custom Resource added by Tekton in our openshift cluster using Custom Resource Definition(CRD)
- Each Step runs in a separate Container
- Steps can't be executed independently
- Steps always runs within a Tekton Task

Info - What is a Tekton Task?

- Custom Resource added by Red Hat Openshift Pipeline operator using CRD
- Task can be executed independently outside a Tekton Pipeline
- Task supports two scopes
 - Project scope
 - Cluster wide
- Each task contains one or more Steps
- Task is the smallest independent unit that can be deployed in Tekton under openshift
- Examples
 - A Task can be used to clone source code from GitHub
 - A Task can be used to build a container image, etc.,
 - A Task can be used to build application binary from source code

Info - What is Pipeline?

- a Custom Resource added by Tekton in openshift cluster
- it is a collection of many Task executed in sequence or parallel
- results in an output based on your inputs given to CI/CD pipeline

- Examples
 - a First Task could clone your source code from your GitHub Repo
 - a Second Task could compile your application after the First Task clones the source code
 - a Third Task could run Unit tests on your compiled application binary if the Second Task succeeds
 - a Fourth Task could package the binaries if Third Task succeeds
 - a Fifth Task could deploy the binaries to JFrog Artifactory Server or Sonatype Nexus Server if the Fourth Task succeeds
 - a Sixth Task could run in parallel to Fifth Task to deploy the microservice to staging environment if Fourth Task succeeds

Info - TaskRun

- is a Custom Resource added by Tekton
- Task can be thought of like a Class, while TaskRun is running instance of a Task
- TaskRun helps us supply Task arguments that are required for a Task to run

Info - PipelineRun

- is a Custom resource added by Tekton
- Pipeline is the blueprint/specification of PipelineRun
- PipelineRun is the running instance of the Pipeline
- PipelineRun helps us provide the Pipeline arguments

Info - Tekton Trigger

- is a component that allows Tekton Pipeline to detect events from variety of sources
- it also helps detect code changes from GitHub, or any version control
- Tekton Triggers can invoke TaskRun and/or PipelineRun with the parameters retrieved from events
- Tekton Triggers is an extension to run Tekton Pipeline
- Example
 - helps in triggering a Tekton CI/CD pipeline based on code commit in GitHub repo or similar version controls

Info - Tekton Catalog?

- Reusable Task and Pipeline Resources

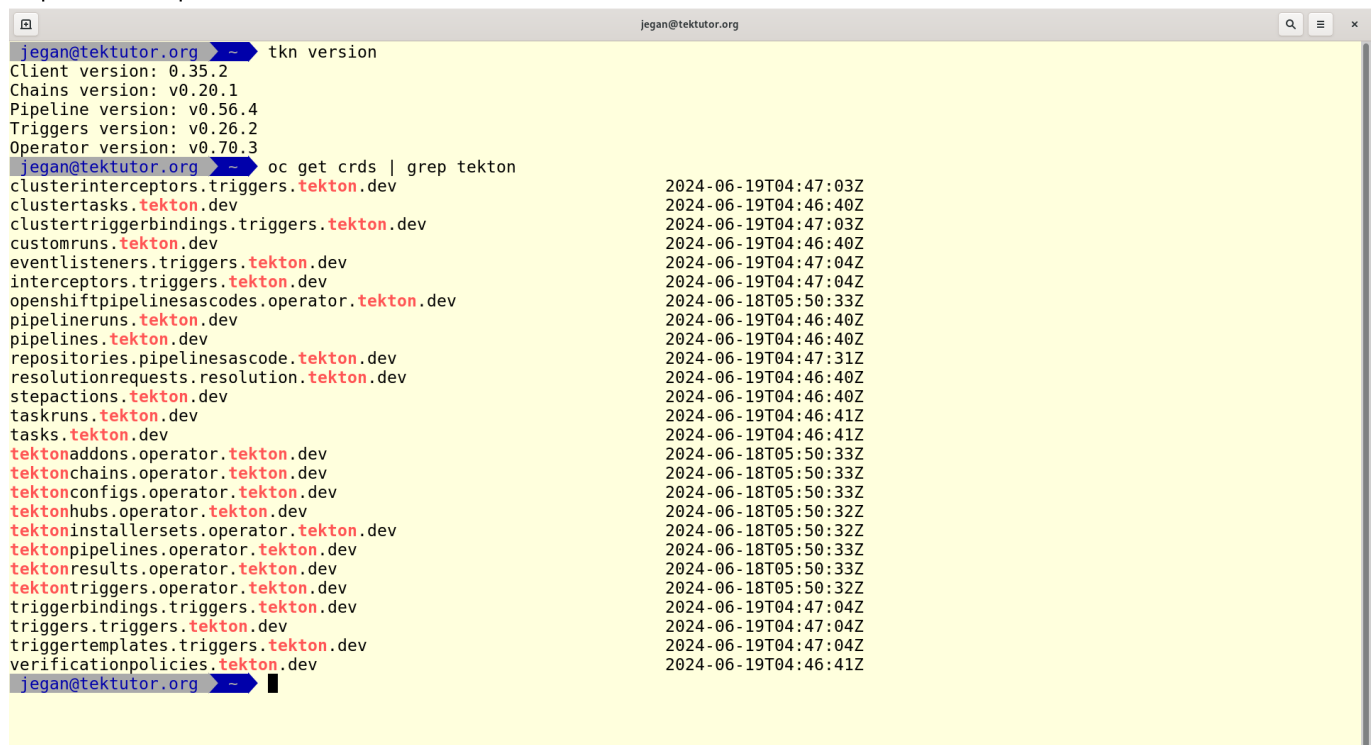
Info - Tekton Dashboard

- web based Dashboard or console for Tekton
- Openshift integrated the Tekton Dashboard within openshift webconsole
- but it is also possible to access outside cluster, in case of kubernest normally that is the approach

Lab - Kindly check if you have tkn client installed

```
tkn version  
oc get crds | grep tekton
```

Expected output



```
jegan@tektutor.org ~$ tkn version  
Client version: 0.35.2  
Chains version: v0.20.1  
Pipeline version: v0.56.4  
Triggers version: v0.26.2  
Operator version: v0.70.3  
jegan@tektutor.org ~$ oc get crds | grep tekton  
clusterinterceptors.triggers.tekton.dev          2024-06-19T04:47:03Z  
clustertasks.tekton.dev                          2024-06-19T04:46:40Z  
clustertriggerbindings.triggers.tekton.dev        2024-06-19T04:47:03Z  
customruns.tekton.dev                           2024-06-19T04:46:40Z  
eventlisteners.triggers.tekton.dev                2024-06-19T04:47:04Z  
interceptors.triggers.tekton.dev                  2024-06-19T04:47:04Z  
openshiftpipelinescodes.operator.tekton.dev       2024-06-18T05:50:33Z  
pipelineruns.tekton.dev                          2024-06-19T04:46:40Z  
pipelines.tekton.dev                             2024-06-19T04:46:40Z  
repositories.pipelinesascode.tekton.dev           2024-06-19T04:47:31Z  
resolutionrequests.resolution.tekton.dev           2024-06-19T04:46:40Z  
stepactions.tekton.dev                           2024-06-19T04:46:40Z  
taskruns.tekton.dev                              2024-06-19T04:46:41Z  
tasks.tekton.dev                                 2024-06-19T04:46:41Z  
tektonaddons.operator.tekton.dev                  2024-06-18T05:50:33Z  
tektonchains.operator.tekton.dev                   2024-06-18T05:50:33Z  
tektonconfigs.operator.tekton.dev                  2024-06-18T05:50:33Z  
tektonhubs.operator.tekton.dev                     2024-06-18T05:50:32Z  
tektoninstallersets.operator.tekton.dev            2024-06-18T05:50:32Z  
tektonpipelines.operator.tekton.dev                2024-06-18T05:50:33Z  
tektonresults.operator.tekton.dev                  2024-06-18T05:50:33Z  
tektontriggers.operator.tekton.dev                 2024-06-18T05:50:32Z  
triggerbindings.triggers.tekton.dev                2024-06-19T04:47:04Z  
triggers.triggers.tekton.dev                       2024-06-19T04:47:04Z  
triggertemplates.triggers.tekton.dev               2024-06-19T04:47:04Z  
verificationpolicies.tekton.dev                    2024-06-19T04:46:41Z  
jegan@tektutor.org ~$
```

Lab - Creating your first Tekton Task

```
cd ~/openshift-tekton-june2024  
git pull  
cd Day8/tekton/  
pwd  
cat hello-task.yml  
oc apply -f hello-task.yml  
tkn task list  
oc get tasks  
tkn taskrun list
```

```
oc get po
tkn task start helloworld-task
tkn taskrun logs helloworld-task-run-j95pp -f -n jegan
```

Expected output

```
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main
/home/jegan/openshift-tekton-june2024/Day8/tekton
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main cat hello-task.yml
apiVersion: tekton.dev/v1
kind: Task
metadata:
  name: helloworld-task
spec:
  steps:
    - name: echo
      image: ubuntu
      command:
        - echo
      args:
        - "Hello Tekton Task!"

jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main oc apply -f hello-task.yml
task.tekton.dev/helloworld-task created
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn task list
NAME            DESCRIPTION    AGE
helloworld-task  5 seconds ago
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main oc get tasks
NAME            AGE
helloworld-task  9s
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn taskrun list
No TaskRuns found
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main oc get po
NAME                                READY   STATUS    RESTARTS   AGE
nginx-nginx-7577cb5f8-kqhvw        1/1     Running   0           68m
nginx-nginx-7577cb5f8-l2n4g        1/1     Running   0           68m
nginx-nginx-7577cb5f8-x88n6        1/1     Running   0           68m
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn task run helloworld-task
Error: command task run doesn't exist. Run tkn help for available commands
x jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn
CLI for tekton pipelines

Usage:

Aliases:
  task, t, tasks

Available Commands:
  create      Create a Task from ClusterTask
  delete      Delete Tasks in a namespace
  describe    Describe a Task in a namespace
  list        Lists Tasks in a namespace
  logs        Show Task logs
  sign*       Sign Tekton Task (experimental)
  start       Start Tasks
  verify*     Verify Tekton Task (experimental)

Flags:
  -c, --context string    name of the kubeconfig context to use (default: kubectl config current-context)
  -h, --help              help for task
  -k, --kubeconfig string  kubectl config file (default: $HOME/.kube/config)
  -n, --namespace string   namespace to use (default: from $KUBECONFIG)
  -C, --no-color           disable coloring (default: false)

Use "tkn task [command] --help" for more information about a command.
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn task list
NAME            DESCRIPTION    AGE
helloworld-task  1 minute ago
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn task start helloworld-task
TaskRun started: helloworld-task-run-j95pp

In order to track the TaskRun progress run:
tkn taskrun logs helloworld-task-run-j95pp -f -n jegan
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn taskrun logs helloworld-task-run-j95pp -f -n jegan
[echo] Hello Tekton Task!
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main tkn taskrun logs helloworld-task-run-j95pp -f -n jegan
[echo] Hello Tekton Task!
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton main
```

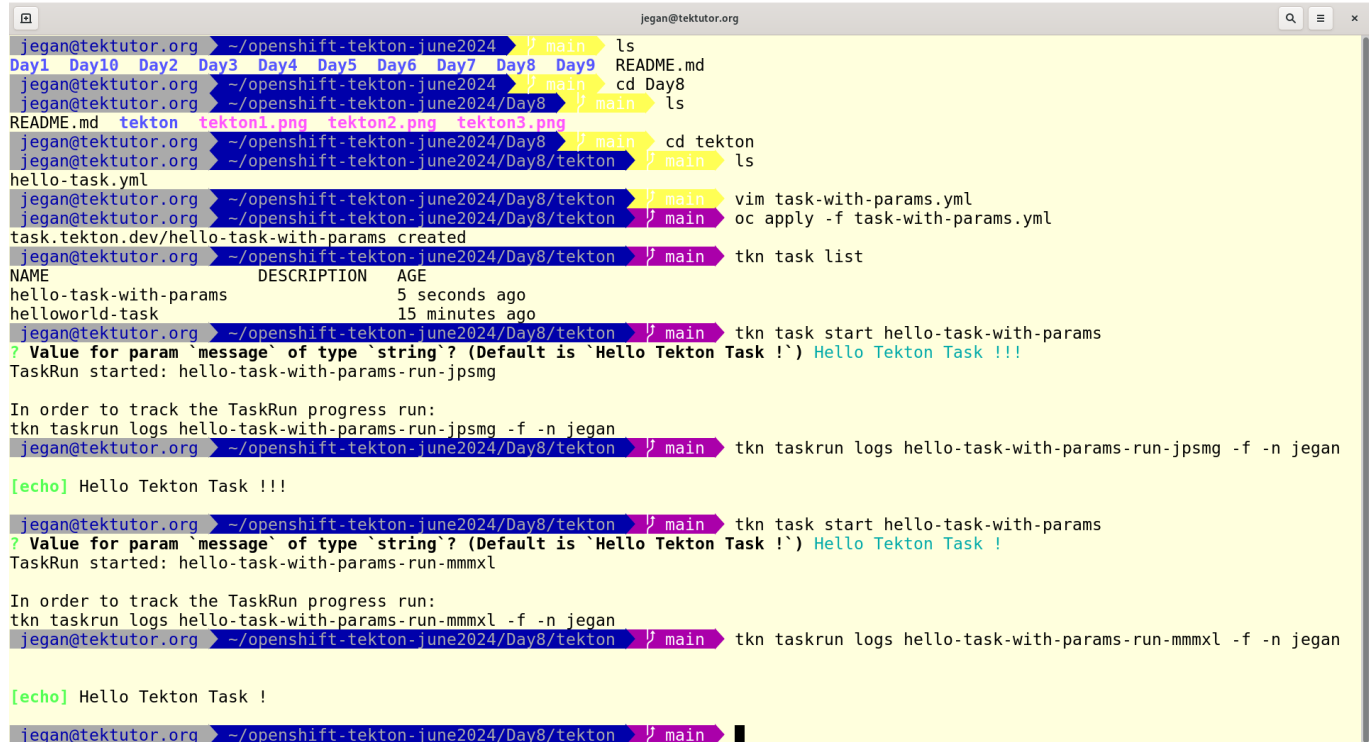
Lab - Passing parameters to Tekton Task

```
cd ~/openshift-tekton-june2024
git pull
cd Day8/tekton
cat task-with-params.yml
```

```
oc apply -f task-with-params.yml
tkn task list
tkn task start hello-task-with-params
tkn taskrun logs hello-task-with-params-run-jpsmg -f -n jegan

tkn task start hello-task-with-params
tkn taskrun logs hello-task-with-params-run-mmmxl -f -n jegan
```

Expected output



```
jegan@tektutor.org ~$ ls
Day1 Day10 Day2 Day3 Day4 Day5 Day6 Day7 Day8 Day9 README.md
jegan@tektutor.org ~$ cd Day8
jegan@tektutor.org ~$ ls
README.md tekton tekton1.png tekton2.png tekton3.png
jegan@tektutor.org ~$ cd tekton
jegan@tektutor.org ~$ ls
hello-task.yml
jegan@tektutor.org ~$ vim task-with-params.yml
jegan@tektutor.org ~$ oc apply -f task-with-params.yml
task.tekton.dev/hello-task-with-params created
jegan@tektutor.org ~$ tkn task list
NAME                DESCRIPTION          AGE
hello-task-with-params 5 seconds ago
helloworld-task      15 minutes ago
jegan@tektutor.org ~$ tkn task start hello-task-with-params
? Value for param `message` of type `string`? (Default is `Hello Tekton Task !`) Hello Tekton Task !!!
TaskRun started: hello-task-with-params-run-jpsmg

In order to track the TaskRun progress run:
tkn taskrun logs hello-task-with-params-run-jpsmg -f -n jegan
jegan@tektutor.org ~$ tkn taskrun logs hello-task-with-params-run-jpsmg -f -n jegan
[echo] Hello Tekton Task !!!

jegan@tektutor.org ~$ tkn task start hello-task-with-params
? Value for param `message` of type `string`? (Default is `Hello Tekton Task !`) Hello Tekton Task !
TaskRun started: hello-task-with-params-run-mmmxl

In order to track the TaskRun progress run:
tkn taskrun logs hello-task-with-params-run-mmmxl -f -n jegan
jegan@tektutor.org ~$ tkn taskrun logs hello-task-with-params-run-mmmxl -f -n jegan
[echo] Hello Tekton Task !

jegan@tektutor.org ~$
```

Lab - Task with multiple steps

```
cd ~/openshift-tekton-june2024
git pull
cd Day8/tekton
cat task-with-multiple-steps.yml
oc apply -f task-with-multiple-steps.yml
tkn task list
tkn task start hello-task-with-multiple-steps
tkn taskrun list
tkn taskrun logs hello-task-with-multiple-steps-run-fpkf4 -f -n jegan
```

Expected output

```
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
ls
hello-task.yml task-with-params.yml
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
vim task-with-multiple-steps.yml
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
oc apply -f task-with-multiple-steps.yml
task.tekton.dev/hello-task-with-multiple-steps created
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn task list
NAME                                DESCRIPTION      AGE
hello-task-with-multiple-steps      6 seconds ago
hello-task-with-params              8 minutes ago
helloworld-task                     23 minutes ago
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn task start hello-task-with-multiple-steps
TaskRun started: hello-task-with-multiple-steps-run-fpkf4

In order to track the TaskRun progress run:
tkn taskrun logs hello-task-with-multiple-steps-run-fpkf4 -f -n jegan
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn taskrun list
NAME                                STARTED          DURATION      STATUS
hello-task-with-multiple-steps-run-fpkf4  12 seconds ago  ---          Running
hello-task-with-params-run-mmmxl         8 minutes ago   7s           Succeeded
hello-task-with-params-run-jpsmg         8 minutes ago   7s           Succeeded
helloworld-task-run-j95pp                23 minutes ago  36s          Succeeded
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn taskrun logs hello-task-with-multiple-steps-run-fpkf4 -f -n jegan

[step-1] Step 1 => Hello Word! !
[step-2] Step 2 => Hello Word! !
[step-3] Step 3 => Hello Word! !

jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
vim task-with-multiple-steps.yml
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
oc apply -f task-with-multiple-steps.yml
task.tekton.dev/hello-task-with-multiple-steps configured
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn taskrun list
NAME                                STARTED          DURATION      STATUS
hello-task-with-multiple-steps-run-fpkf4  1 minute ago     12s          Succeeded
hello-task-with-params-run-mmmxl         9 minutes ago    7s           Succeeded
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn taskrun logs hello-task-with-multiple-steps-run-fpkf4 -f -n jegan

[step-1] Step 1 => Hello Word! !
[step-2] Step 2 => Hello Word! !
[step-3] Step 3 => Hello Word! !

jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
vim task-with-multiple-steps.yml
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
oc apply -f task-with-multiple-steps.yml
task.tekton.dev/hello-task-with-multiple-steps configured
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn taskrun list
NAME                                STARTED          DURATION      STATUS
hello-task-with-multiple-steps-run-fpkf4  1 minute ago     12s          Succeeded
hello-task-with-params-run-mmmxl         9 minutes ago    7s           Succeeded
hello-task-with-params-run-jpsmg         9 minutes ago    7s           Succeeded
helloworld-task-run-j95pp                24 minutes ago   36s          Succeeded
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn task start hello-task-with-multiple-steps
TaskRun started: hello-task-with-multiple-steps-run-pgpdk

In order to track the TaskRun progress run:
tkn taskrun logs hello-task-with-multiple-steps-run-pgpdk -f -n jegan
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
tkn taskrun logs hello-task-with-multiple-steps-run-pgpdk -f -n jegan

[step-1] Step 1 => Hello World !
[step-2] Step 2 => Hello World !
[step-3] Step 3 => Hello World !

jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
jegan@tektutor.org ~/openshift-tekton-june2024/Day8/tekton
```

Lab - Using reusable tasks from Tekton Hub(Catalog)

Navigate to below url

<https://hub.tekton.dev/tekton/task/tekton-catalog-publish>

Search for 'git-clone'

We can install the git-lclone task from Tekton Hub into our openshift cluster as shown below

```
tkn hub install task git-clone
```

Let's us create a taskrun using the git-clone task we downloaded from TekTon Hub

```
cd ~/openshift-tekton-june2024
git pull
cd Day8/tekton
cat github-clone-taskrun.yml

oc create -f github-clone-taskrun.yml
tkn taskruns list
tkn taskrun list
tkn tr list
tkn tr logs -f github-clone-tr-b4bn7
```

Expected output

The screenshot displays the Tekton Hub interface in a Google Chrome browser. The address bar shows the URL `hub.tekton.dev/tekton/task/tekton-catalog-publish`. The page title is "Publish a Tekton Catalog". It includes a description of the task, a "bundles" section with operating system options (linux/amd64, linux/ppc64le, linux/s390x), and an "Install the Task" section with a terminal command: `kubectrl apply -f https://api.hub.tekton.dev/v1/resource/tekton/task/tekton-catalog-publish/0.1/raw`. The page also features a "Parameters" section and a "Login" button in the top right corner.

Tekton Hub - Google Chrome

hub.tekton.dev/?query=git-clone

git-clone x Login

Welcome to Tekton Hub

Discover, search and share reusable Tasks and Pipelines

Sort By

Kind

- Pipeline
- Task

Platform

- Linux/amd64
- Linux/ppc64le
- Linux/s390x
- Linux/arm64
- Linux/390x

Catalog

- Tekton

Category

- Automation
- Build Tools
- CLI
- Cloud
- Code Quality
- Continuous Integration
- Deployment
- Developer Tools

git clone v0.9

These Tasks are Git tasks to work with repositories used by other tasks in your Pipeline. The git-clone Task will clone a repo from the provided url into the output Workspace. By default

Updated a year ago

git

jegan@tektutor.org

~/openshift-tekton-june2024/Day8/tekton main cat github-clone-taskrun.yml

apiVersion: v1
kind: PersistentVolume
metadata:
 name: tekton-pv-jegan # Replace 'jegan' with your name
 labels:
 name: jegan # Replace 'jegan' with your name
spec:
 capacity:
 storage: 100Mi
 volumeMode: Filesystem
 accessModes:
 - ReadWriteMany
 persistentVolumeReclaimPolicy: Retain
 nfs:
 server: 192.168.1.108 # Replace this IP with 192.168.1.22 or 192.168.1.23 or 192.168.1.24 as per your linux server ip
 path: /var/nfs/jegan/tekton # Replace this folder as your nfs share path

apiVersion: v1
kind: PersistentVolumeClaim
metadata:
 name: tekton-pvc-jegan # Replace 'jegan' with your name
 labels:
 name: jegan # Replace 'jegan' with your name
spec:
 selector:
 matchLabels:
 name: jegan # Replace 'jegan' with your name
 resources:
 requests:
 storage: 100Mi
 volumeMode: Filesystem
 accessModes:
 - ReadWriteMany

apiVersion: tekton.dev/v1
kind: TaskRun


```
kind: PersistentVolumeClaim
metadata:
  name: tekton-pvc-jegan # Replace 'jegan' with your name
  labels:
    name: jegan # Replace 'jegan' with your name
spec:
  selector:
    matchLabels:
      name: jegan # Replace 'jegan' with your name
  resources:
    requests:
      storage: 100Mi
  volumeMode: Filesystem
  accessModes:
    - ReadWriteMany
---
apiVersion: tekton.dev/v1
kind: TaskRun
metadata:
  generateName: github-clone-tr-
spec:
  taskRef:
    name: git-clone
  params:
    - name: url
      value: https://github.com/tektutor/openshift-tekton-june2024.git

    - name: revision
      value: main

    - name: subdirectory
      value: source
  workspaces:
    - name: output
      persistentVolumeClaim:
        claimName: tekton-pvc-jegan #Replace 'jegan' with your name
jegan@tektutor.org > ~/openshift-tekton-june2024/Day8/tekton > ⚡ main
```

```
persistentvolume/tekton-pv-jegan created
persistentvolumeclaim/tekton-pvc-jegan created
taskrun.tekton.dev/github-clone-tr-b4bn7 created
jegan@tektutor.org > ~/openshift-tekton-june2024/Day8/tekton > ⚡ main oc get pv,pvc
NAME                                     CAPACITY  ACCESS MODES  RECLAIM POLICY  STATUS  CLAIM                                STORAGECLASS  REASON
AGE
persistentvolume/tekton-pv-jegan         100Mi      RWX           Retain          Bound   jegan/tekton-pvc-jegan              8s

NAME                                STATUS  VOLUME          CAPACITY  ACCESS MODES  STORAGECLASS  AGE
persistentvolumeclaim/tekton-pvc-jegan Bound   tekton-pv-jegan  100Mi      RWX           8s
jegan@tektutor.org > ~/openshift-tekton-june2024/Day8/tekton > ⚡ main tkn taskrun list
NAME                                STARTED  DURATION  STATUS
github-clone-tr-b4bn7               21 seconds ago  ---      Running(Pending)
hello-task-with-multiple-steps-run-pgpdk 28 minutes ago  37s      Succeeded
hello-task-with-multiple-steps-run-fpkf4 29 minutes ago  12s      Succeeded
hello-task-with-params-run-mmmxl       37 minutes ago  7s       Succeeded
hello-task-with-params-run-jpsmg       38 minutes ago  7s       Succeeded
helloworld-task-run-j95pp             52 minutes ago  36s      Succeeded
jegan@tektutor.org > ~/openshift-tekton-june2024/Day8/tekton > ⚡ main tkn taskruns list
NAME                                STARTED  DURATION  STATUS
github-clone-tr-b4bn7               24 seconds ago  ---      Running(Pending)
hello-task-with-multiple-steps-run-pgpdk 28 minutes ago  37s      Succeeded
hello-task-with-multiple-steps-run-fpkf4 29 minutes ago  12s      Succeeded
hello-task-with-params-run-mmmxl       37 minutes ago  7s       Succeeded
hello-task-with-params-run-jpsmg       38 minutes ago  7s       Succeeded
helloworld-task-run-j95pp             52 minutes ago  36s      Succeeded
jegan@tektutor.org > ~/openshift-tekton-june2024/Day8/tekton > ⚡ main tkn tr list
NAME                                STARTED  DURATION  STATUS
github-clone-tr-b4bn7               27 seconds ago  ---      Running(Pending)
hello-task-with-multiple-steps-run-pgpdk 28 minutes ago  37s      Succeeded
hello-task-with-multiple-steps-run-fpkf4 29 minutes ago  12s      Succeeded
hello-task-with-params-run-mmmxl       37 minutes ago  7s       Succeeded
hello-task-with-params-run-jpsmg       38 minutes ago  7s       Succeeded
helloworld-task-run-j95pp             52 minutes ago  36s      Succeeded
jegan@tektutor.org > ~/openshift-tekton-june2024/Day8/tekton > ⚡ main tkn tr logs -f github-clone-tr-b4bn7
```

```
jegan@tektutor.org
jegan@tektutor.org
jegan@tektutor.org
hello-task-with-multiple-steps-run-gpgdk 51 minutes ago 37s Succeeded
hello-task-with-multiple-steps-run-fpkf4 53 minutes ago 12s Succeeded
hello-task-with-params-run-mmmxl 1 hour ago 7s Succeeded
hello-task-with-params-run-jpsmg 1 hour ago 7s Succeeded
helloworld-task-run-j95pp 1 hour ago 36s Succeeded
jegan@tektutor.org ~/openshift-tektion-june2024/Day8/tektion main tkn tr logs -f github-clone-tr-b4bn7
[clone] + '[' false '=' true ]
[clone] + '[' false '=' true ]
[clone] + '[' false '=' true ]
[clone] + CHECKOUT_DIR=/workspace/output/source
[clone] + '[' true '=' true ]
[clone] + cleandir
[clone] + '[' -d /workspace/output/source ]
[clone] + test -z
[clone] + test -z
[clone] + test -z
[clone] + git config --global --add safe.directory /workspace/output
[clone] + /ko-app/git-init '-url=https://github.com/tektutor/openshift-tektion-june2024.git' '-revision=main' '-refspec=' '-path=/workspa
ce/output/source' '-sslVerify=true' '-submodules=true' '-depth=1' '-sparseCheckoutDirectories='
[clone] {"level": "info", "ts": 1718779699.250721, "caller": "git/git.go:176", "msg": "Successfully cloned https://github.com/tektutor/openshif
t-tektion-june2024.git @ 4a600f45cda97b9fd6a74cf9141a68ff1719f2f6 (grafted, HEAD, origin/main) in path /workspace/output/source"}
[clone] {"level": "info", "ts": 1718779699.271016, "caller": "git/git.go:215", "msg": "Successfully initialized and updated submodules in path
/workspace/output/source"}
[clone] + cd /workspace/output/source
[clone] + git rev-parse HEAD
[clone] + RESULT_SHA=4a600f45cda97b9fd6a74cf9141a68ff1719f2f6
[clone] + EXIT_CODE=0
[clone] + '[' 0 != 0 ]
[clone] + git log -1 '--pretty=ct'
[clone] + RESULT_COMMIT_DATE=1718778470
[clone] + printf '%s' 1718778470
[clone] + printf '%s' 4a600f45cda97b9fd6a74cf9141a68ff1719f2f6
[clone] + printf '%s' https://github.com/tektutor/openshift-tektion-june2024.git
jegan@tektutor.org ~/openshift-tektion-june2024/Day8/tektion main
```

Tasks - Red Hat OpenShift - Google Chrome

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← → ↻ Not secure https://console-openshift-console.apps.ocp4.tektutor.org/labs/tasks/ns/jegan

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You are logged in as a temporary administrative user. Update the [cluster OAuth configuration](#) to allow others to log in.

Project: jegan ▼

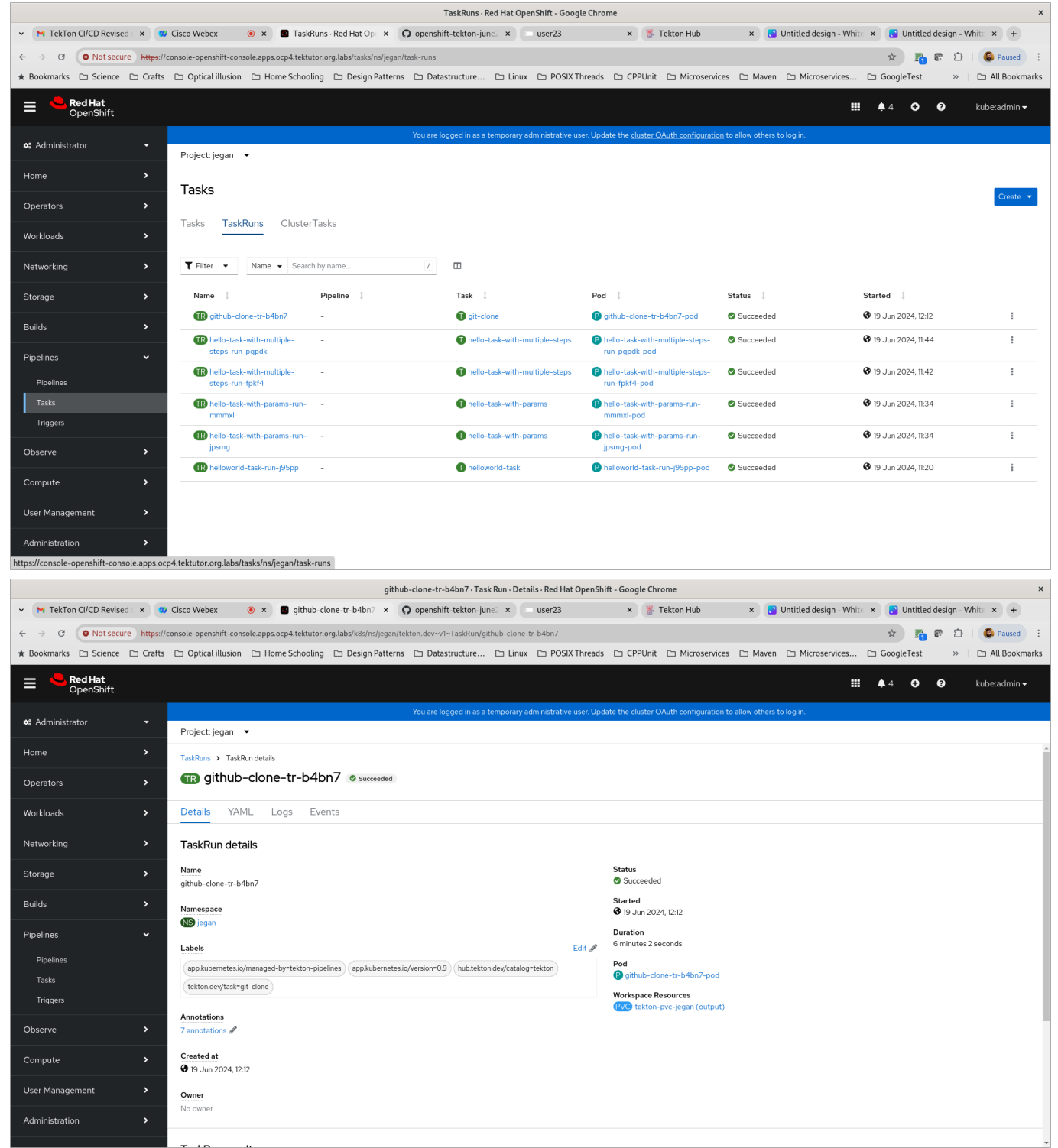
Tasks

Create +

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Name	Namespace	Created
1 git-clone	NS jegan	19 Jun 2024, 11:58
1 hello-task-with-multiple-steps	NS jegan	19 Jun 2024, 11:42
1 hello-task-with-params	NS jegan	19 Jun 2024, 11:33
1 helloworld-task	NS jegan	19 Jun 2024, 11:18



github-clone-tr-b4bn7 - Task Run - Logs - Red Hat OpenShift - Google Chrome

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You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: jegan

TaskRuns > TaskRun details

TR github-clone-tr-b4bn7 Succeeded

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```
+ [! false '= true ]
+ [! false '= true ]
+ CHECKOUT_DIR=/workspace/output/source
+ [! true '= true ]
+ cleandir
+ [! -d /workspace/output/source ]
+ test -z
+ test -z
+ git config --global --add safe.directory /workspace/output
+ /ko-app/git-init '-url=https://github.com/tektutor/openshift-tekton-june2024.git' '-revision=main' '-refspec=' '-path=/workspace/output/source' '-sslVerify=true' '-submodules=true'
{"level":"info","ts":1718779699.250721,"caller":"git/git.go:176","msg":"Successfully cloned https://github.com/tektutor/openshift-tekton-june2024.git @ 4a600f45cda97b9fd6a74cf9141a68ff1719f2f6"}
{"level":"info","ts":1718779699.271816,"caller":"git/git.go:215","msg":"Successfully initialized and updated submodules in path /workspace/output/source"}
+ cd /workspace/output/source
+ git rev-parse HEAD
+ RESULT_SHA=4a600f45cda97b9fd6a74cf9141a68ff1719f2f6
+ EXIT_CODE=0
+ [! 0 != 0 ]
+ git log -1 '--pretty=%ct'
+ RESULT_COMMITTER_DATE=1718778470
+ printf '%s' 1718778470
+ printf '%s' 4a600f45cda97b9fd6a74cf9141a68ff1719f2f6
+ printf '%s' https://github.com/tektutor/openshift-tekton-june2024.git
```

https://console-openshift-console.apps.ocp4.tektutor.org/labs/k8s/ns/jegan/tekton.dev-v1~TaskRun/github-clone-tr-b4bn7/logs

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