**Installation**

Install minikube - <https://minikube.sigs.k8s.io/docs/start/>

Install kubectl - <https://kubernetes.io/docs/tasks/tools/install-kubectl-linux/>

Install Tekton cli - <https://tekton.dev/docs/cli/>

Install Docker - <https://docs.docker.com/engine/install/ubuntu/>

sudo usermod -aG docker $USER - > sudo reboot

Minikube start

Or

minikube start --kubernetes-version v1.24.4

git clone https://github.com/shizgara/simple\_react\_app\_docker.git

**Install Tekton & Dependency**

kubectl apply --filename \

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

tkn hub install task kaniko

tkn hub install task git-clone

tkn hub install task kubernetes-actions

**Generate credentials for Docker**

Docker login – **to generate /home/shizgara/.docker/config.json**.

kubectl create secret generic docker-credentials --from-file=/home/$USER/.docker/config.json --dry-run=client --output=yaml > docker-credentials.yaml –- > **make docker-credentials.yaml**

kubectl apply -f docker-credentials.yaml – **run credentials**

**Run pipeline**

kubectl apply -f service-account.yaml

kubectl apply -f role.yaml

kubectl apply -f pipeline.yaml

kubectl create -f pipelinerun.yaml

tkn pipelinerun logs <назва пайплайнарана> -f

kubectl get pods --watch

**Additional commands**

tkn pipeline delete –all

tkn pipelinerun delete --all

kubectl get rolebinding

kubectl get role

**kubectl get serviceAccounts**

kubectl get secret

**Links**

<https://tekton.dev/docs/getting-started/tasks/>

<https://adamtheautomator.com/tekton-kubernetes/>

<https://earthly.dev/blog/building-k8s-tekton/>

<https://developer.ibm.com/tutorials/build-and-deploy-a-docker-image-on-kubernetes-using-tekton-pipelines/>

<https://hub.tekton.dev/>

<https://github.com/tektoncd/cli/blob/main/README.md>