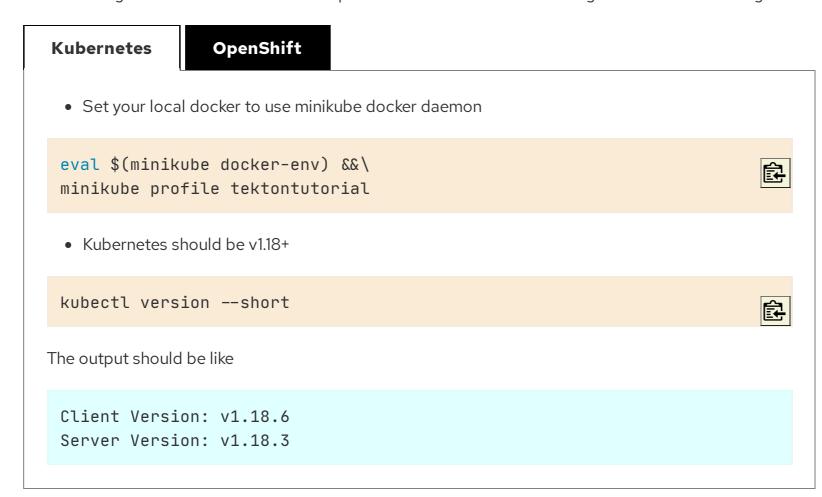
Pipeline Resources

At the end of this chapter you will be able to:

- Understand what is a pipeline resource?
- Create a pipeline resource

Prerequisite

The following checks ensure that each chapter exercises are done with the right environment settings.



Ensure Tekton piplines is deployed and the API is available for use



Create a pipeline resource

If you are not in tutorial chapter folder, then navigate to the folder:

```
cd $TUTORIAL_HOME/resources
                                                                       食
```

The following snippet shows what a Tekton PipelineResource YAML looks like:

```
build-resources.yaml
 apiVersion: tekton.dev/v1alpha1
 kind: PipelineResource
 metadata:
   name: git-source
 spec:
   type: git
   params:
     - name: url
       value: https://github.com/redhat-scholars/tekton-tutorial-greeter
     - name: revision
       value: staging
 apiVersion: tekton.dev/v1alpha1
 kind: PipelineResource
 metadata:
   name: tekton-tutorial-greeter-image
 spec:
   type: image
   params:
     - name: url
       # use internal registry
       value: example.com/rhdevelopers/tekton-tutorial-greeter
       # if you are on OpenShift uncomment the line below
```

#value: "image-registry.openshift-image-registry.svc:5000/tektontutorial

Each pipeline resource has:

- name: the name using which it will be referred in other places
- type: the type of the pipeline resource, in this example we have two types
 - o git this type of resource refers to a GitHub repository
 - image this type of resource is linux container image
- params: each type can have one or more parameters that will be used to configure the underlying type. In the above example for the git-source pipeline resource, the parameters url and revision are used to identify the GitHub repository url and revision of the sources respectively.

More details on other types of pipeline resource types is available here.

Deploy a pipeline resource

The pipeline resource could be created using the command:

```
kubectl apply -n tektontutorial -f build-resources.yaml
                                                                         pipelineresource.tekton.dev/git-source created
pipelineresource.tekton.dev/tekton-tutorial-greeter-image created
```

See what you have deployed

tekton-tutorial-greeter-image

We will use the Tekton cli to inspect the created resources

```
tkn res ls
                                                                                 The above command should list two resources as shown below:
 NAME
                                   TYPE
                                            DETAILS
                                            url: https://github.com/redhat-scholar
 git-source
                                   git
```

All Tekton API resources/objects has the **describe** option that gives more details of respective Tekton API object.

image url: example.com/rhdevelopers/tekton-t

e.g. To describe the PipelineResource that we just created, run:



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