

Kubectl run vs apply vs create

Imperative approach: In this, we specify what and how to perform a task

Declarative approach: In this, we specify what to do but we don't define on how to do a task

Kubectl create:

It is used to create new resources using imperative approach. If used with already existing resource, it will raise error. Generally used for troubleshooting, learning

Kubectl apply:

It is used to create or modify resources using declarative approach. If a resource already exists, it will not raise an error. Generally used for version control

Kubectl run:

Used to Create and run a particular image in a pod.