

# Imperative vs Declarative

## Imperative

Hey robot, create 3 toy blocks, color them red, green, and blue, and stack them on top of each other.

## Declarative

Its like giving a robot a picture of how you want things to look and saying “Make it look like this picture”

Scenario	Imperative Approach	Declarative Approach
Create a Deployment	<b>kubectl create deployment my-deployment --image=my-app</b>	Create a YAML file specifying deployment details and use <b>kubectl apply -f my-deployment.yaml</b> to apply it.
Update the Deployment	<b>kubectl scale deployment my-deployment --replicas=5</b>	Update the YAML file's <b>replicas</b> field to 5 and use <b>kubectl apply -f my-deployment.yaml</b> to apply the update.

Scenario	Imperative Approach	Declarative Approach
Change a Container's Image	<b>kubectl set image deployment/my-deployment my-container=my-new-image</b>	Update the YAML file with the new image and use <b>kubectl apply -f my-deployment.yaml</b> to apply the change.
Delete a Resource	<b>kubectl delete deployment my-deployment</b>	<b>kubectl delete -f my-deployment.yaml</b>