

ThoughtWorks®

K8S OBJECTS

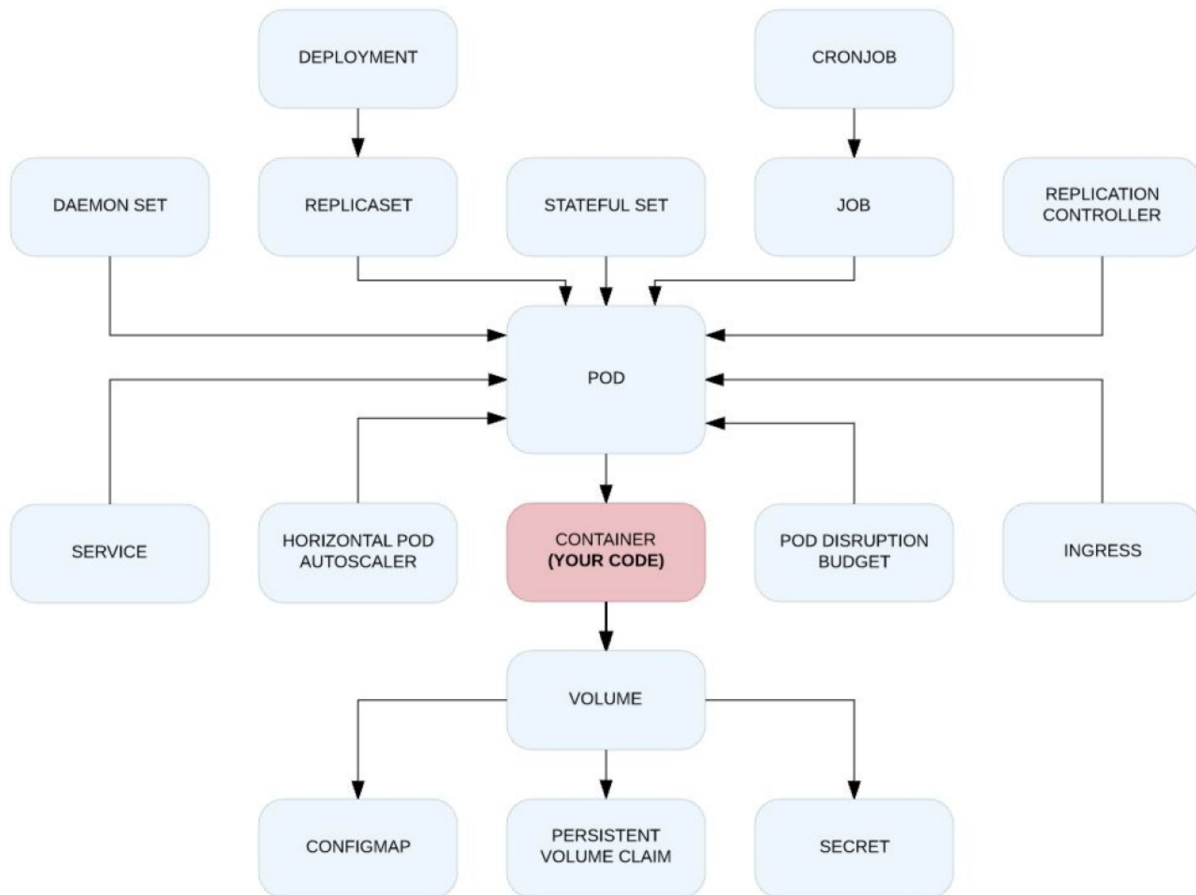
Rise of the Containers Workshop



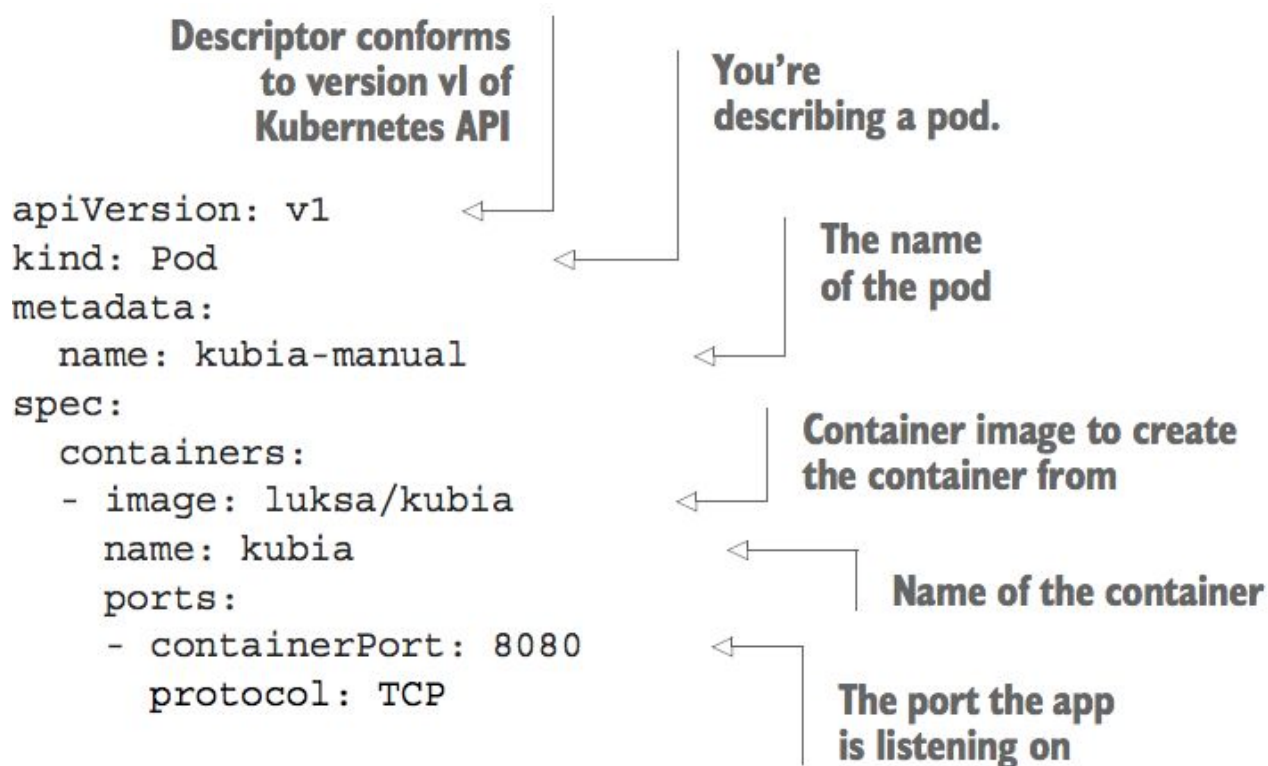
What is Kubernetes Object ?

- Persistent entity in K8s system
- Abstraction to represent the state of the system
- Describes:
 - What containerized apps are running
 - Resources available to those apps
 - Policies around those apps (restart policies, fault-tolerance)

Objects in K8s



K8s Object YAML



K8s Analogies with JVM

Java & JVM	KUBERNETES
Class	Image (layers)
Object	Container
.jar	Image
.jar, .war, .ear	Pod
Module, Package	Namespace
Constructor (class lifecycle)	Init-container (container lifecycle)
Properties (ENVs)	ConfigMaps & Secrets
Daemon Thread	DaemonSets

THANK YOU

For questions or suggestions:

Girish Verma

girishv@ThoughtWorks.com

ThoughtWorks®