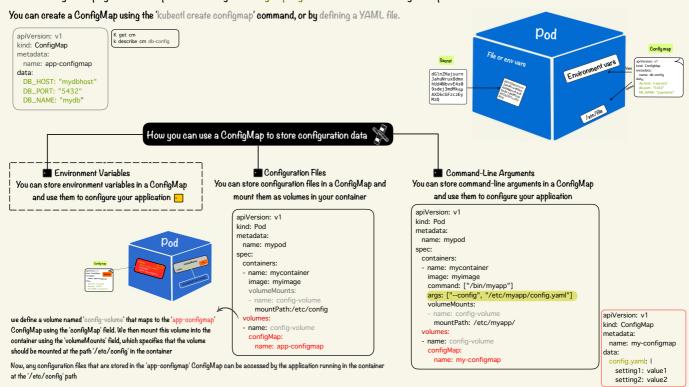
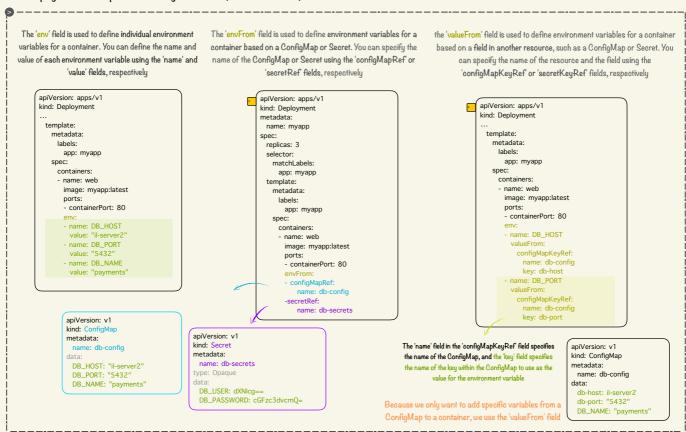
Configure application

Kubernetes provides several ways to configure applications, including using ConfigMaps, environment variables, and Secrets.

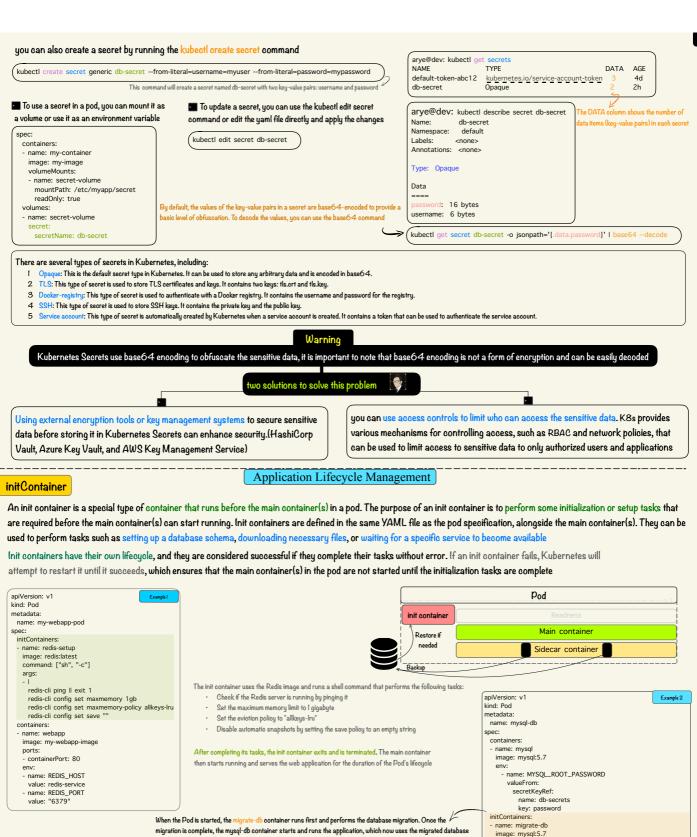
ConfigMaps are Kubernetes resources that can be used to store configuration data as key-value pairs. You can create a ConfigMap with the desired configuration data, and then reference it in your Deployment or Pod specification using the 'configMapKeyRef' field or mount it directly to the pod.



Environment variables can be used to pass configuration information to the container, such as database connection strings or API keys. You can define environment variables in the Deployment or Pod specification using the 'env' field, the 'envFrom' field, and the 'valueFrom' field

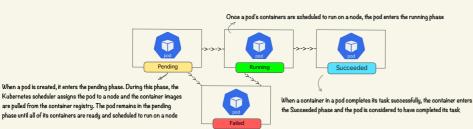


Secrets are similar to ConfigMaps, but are used to store sensitive information such as passwords, tokens or API keys. You can create a Secret with the desired sensitive information, and then reference it in your Deployment or Pod specification using the 'secretKeyRef' field.



Pod lifecycle

Here are the key phases in the lifecycle of a Pod in Kubernetes:



™ When a container in a pod fails or crashes, the container enters the Failed phase

command: ['sh', '-c', 'mysql -h \${DB_HOST} -u root -p\$ {DB_PASSWORD} \${DB_NAME} < /migrations/migrate.sql']

> name: DB_HOST value: 127.0.0.1

name: DB_NAME value: mydb name: DB_PASSWORD

valueFrom: secretKeyRef: name: db-secrets key: password

volumeMounts:
- name:migrations
mountPath: /migrations

name: migrations

configMag