

11-configmap

ConfigMap What it is ConfigMap stores non-sensitive configuration as key-value pairs. When to use App configuration values Environment-specific settings Mounted config files for applications

Key fields data: UTF-8 key-value entries binaryData: base64-encoded binary content

Common commands

```
bash kubectl get configmap kubectl create configmap app-config --from-literal=LOG_LEVEL=info --from-literal=APP_MODE=prod kubectl create configmap app-file-config --from-file=app.properties kubectl describe configmap app-config kubectl delete configmap app-config
```

YAML example

```
yaml
apiVersion: v1
kind: ConfigMap
metadata:
  name: app-config
data:
  LOG_LEVEL: info
  APP_MODE: production
  app.properties: |
    cache.enabled=true
    cache.ttl.seconds=300
```

Practical notes Inject via env vars or volume mounts. ConfigMap updates do not instantly reload app process unless app supports reload.