

**helm install mydb bitnami/mysql**

Load the chart and its dependencies

Parse the values.yaml

Generate the yaml

Parse the YAML to kube objects and validate

Generate YAML and Send to kube

# Range

**=   !=   >   <   >=   <=**

**and**

**|**

**^**

**~**

**^ 1.3.4                      >=      1.3.4      <      2.0.0**

**^ 1.3.x                      >=      1.3.0      <      2.0.0**

**^ 2.x                      >=      2.0.0      <      3**

**^ 0.2.4                      >=      0.2.4      <      0.3.0**

**^ 0                      >=      0.0.0      <      1.0.0**

**~ 1.3.4**

**>=**

**1.3.4**

**<**

**1.4.0**

**~ 2**

**>=**

**2**

**<**

**3**

**~ 2.3**

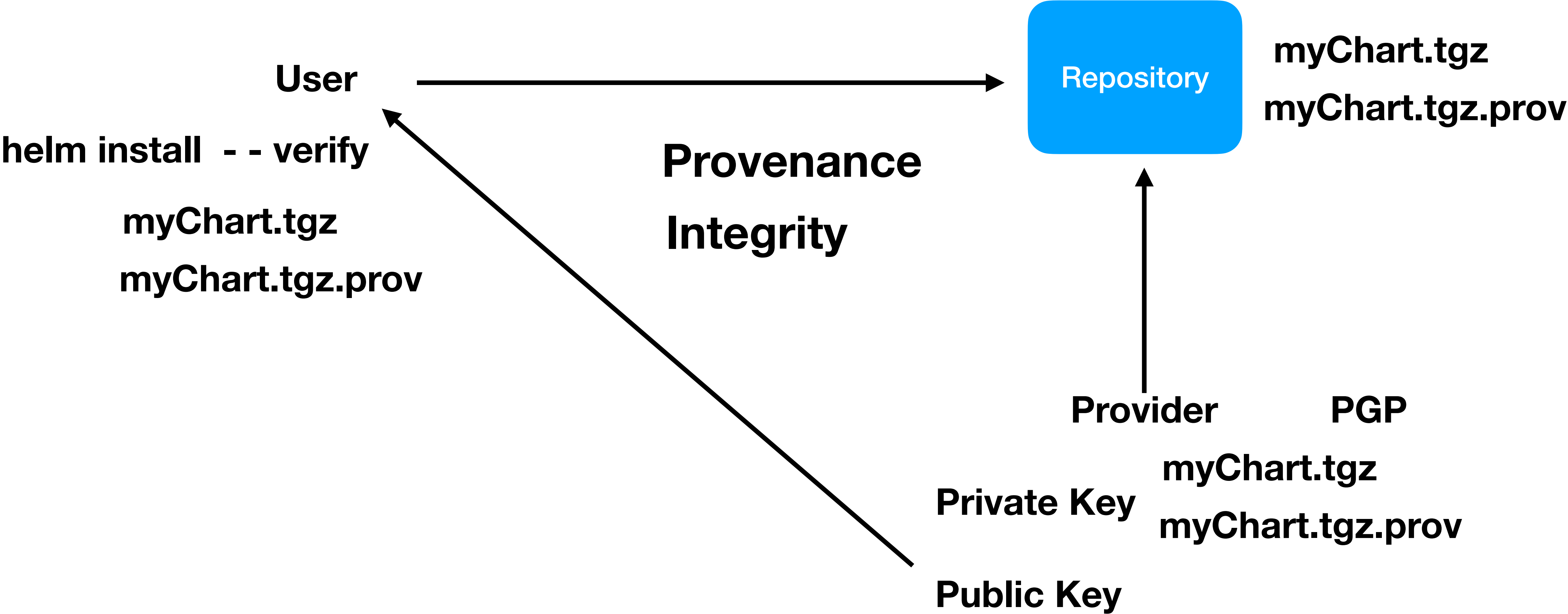
**>=**

**2.3**

**<**

**2.4**

# Security



# Hooks

**Release**



**Hook**

**Data to db**

**Backing up a db**

# Advanced Charts

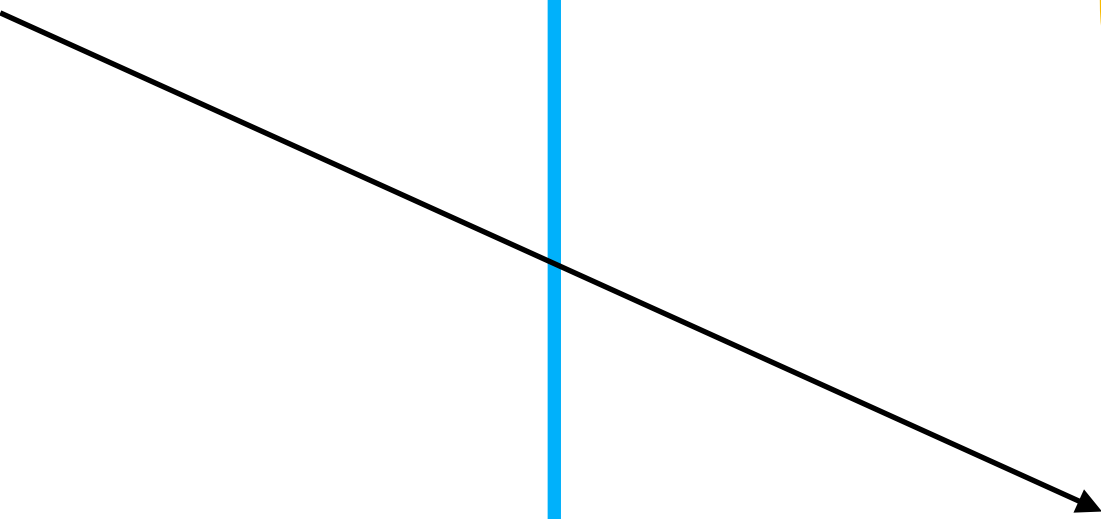
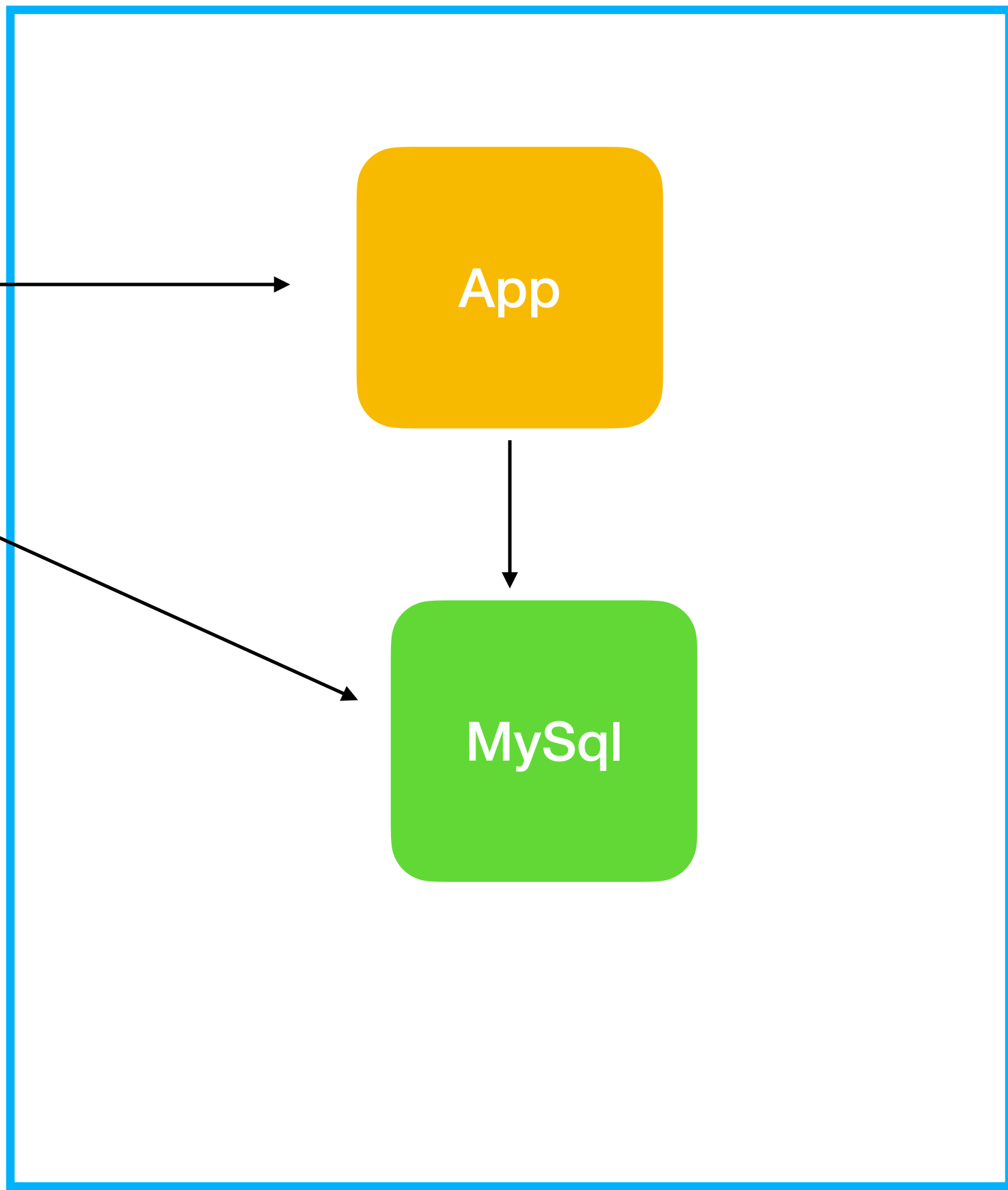
**App**

**Dependency:**

**Mysql**



## Kube Cluster



# Consistency

**deployment.yaml**

**service.yaml**

**configmap.yaml**

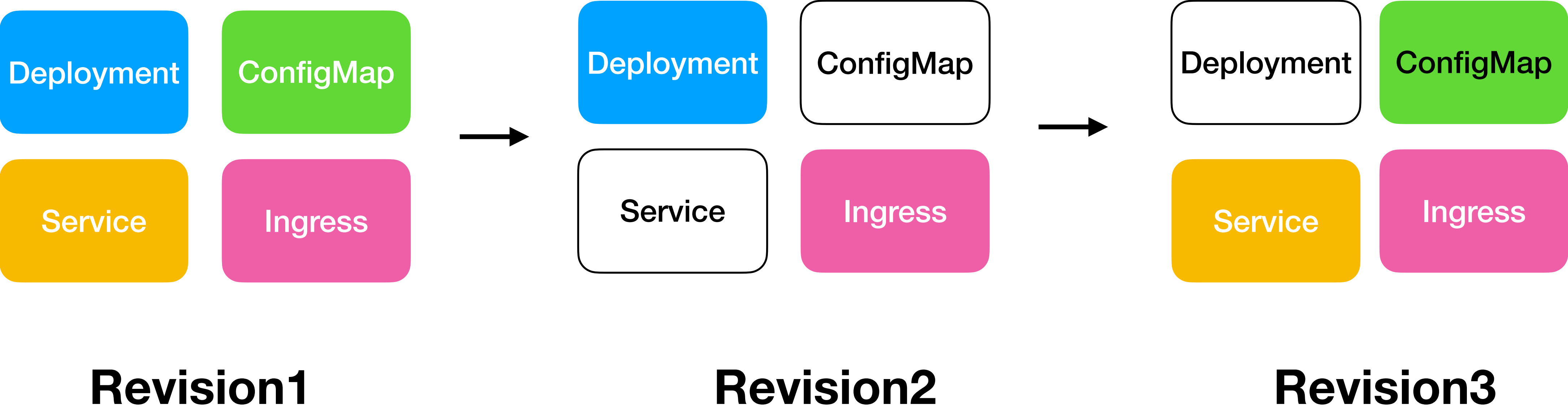
**secret.yaml**



**Kubectl edit**



# Revision History



# Template Deep Dive

Template Actions

Conditions

Loops

Variables

# Packaging Manager

Windows installer

apt

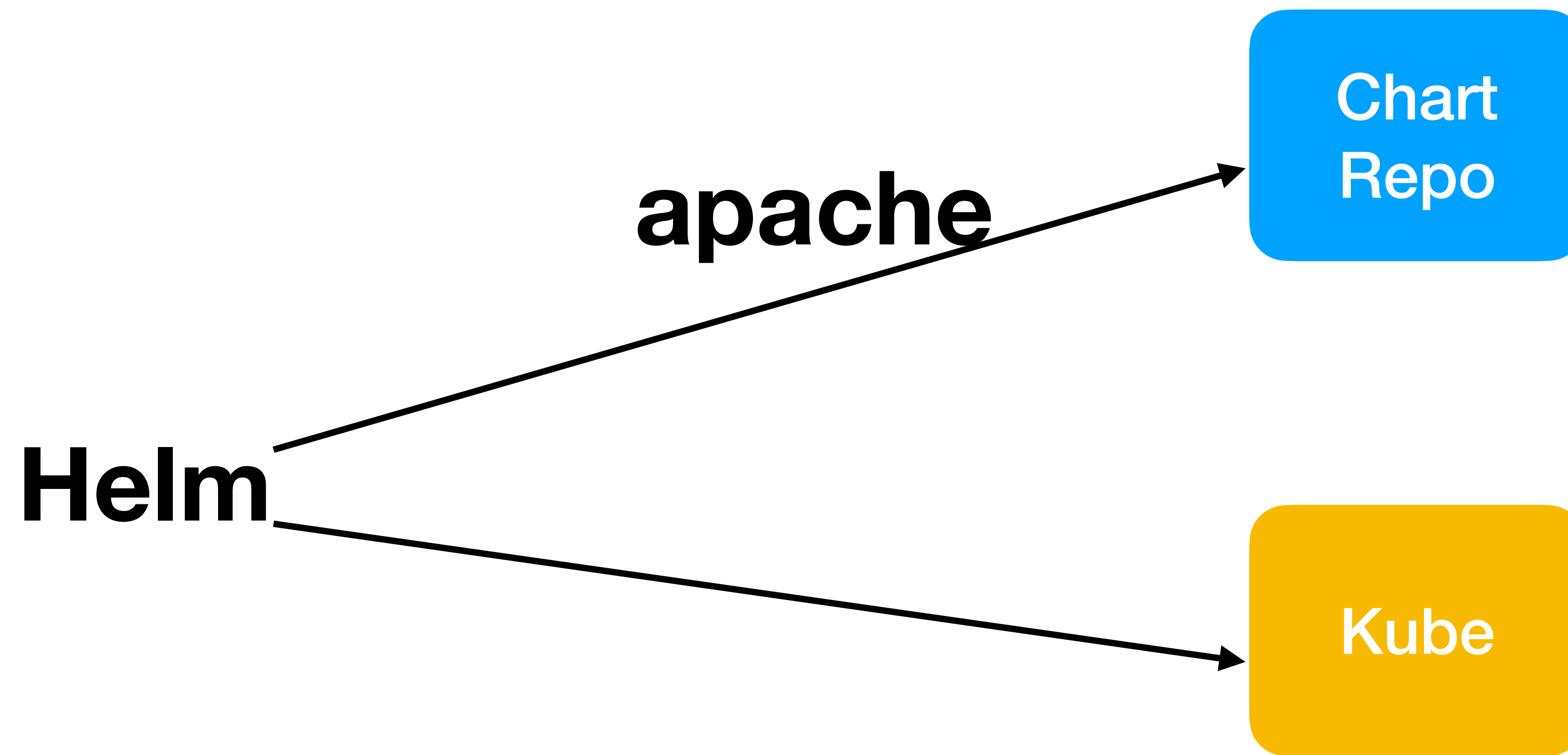
yum

npm

install

upgrade

uninstall



```
helm install apache bitnami/apache --namespace=web
```

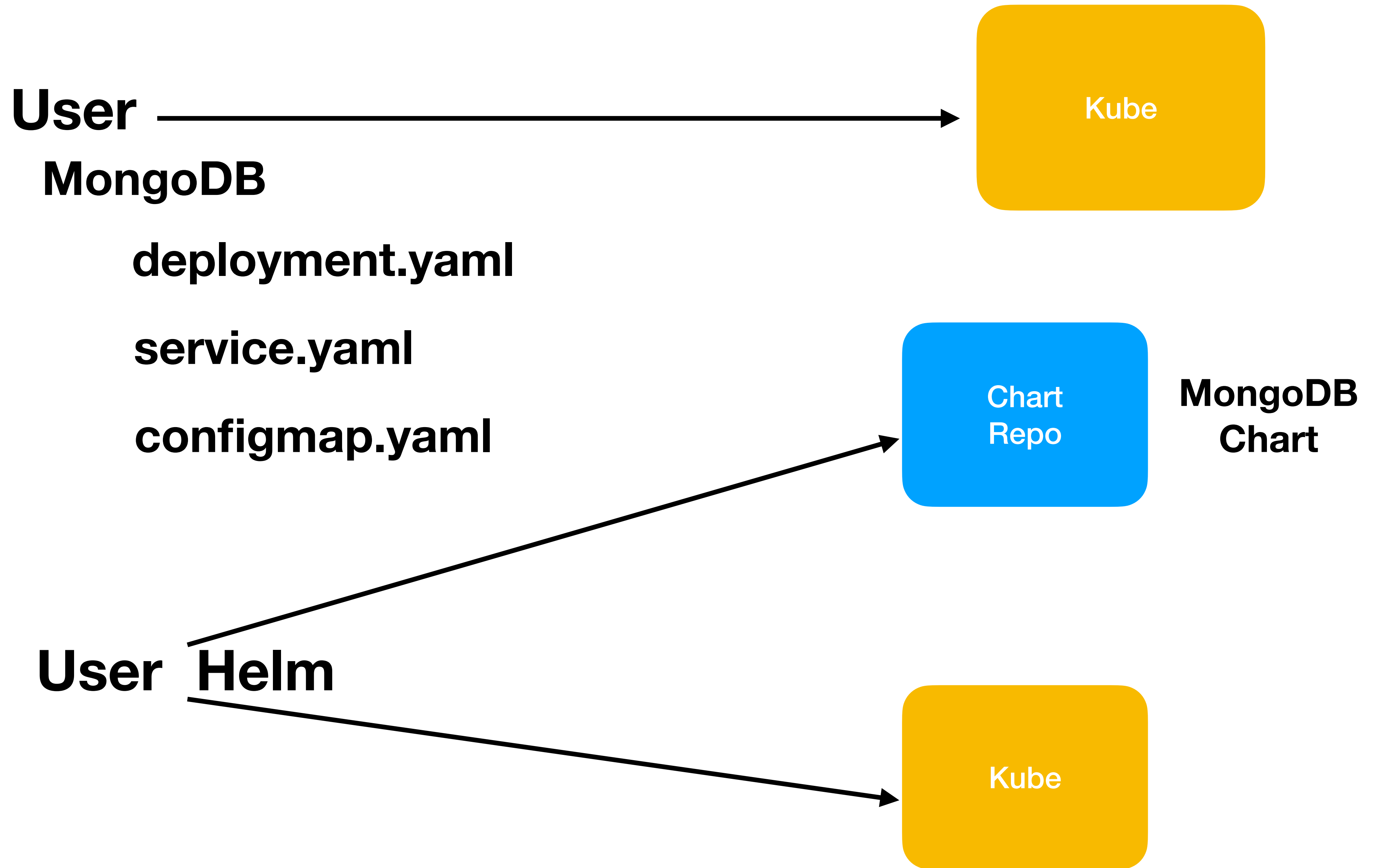
```
helm upgrade apache bitnami/apache --namespace=web
```

```
helm rollback apache 1 --namespace=web
```

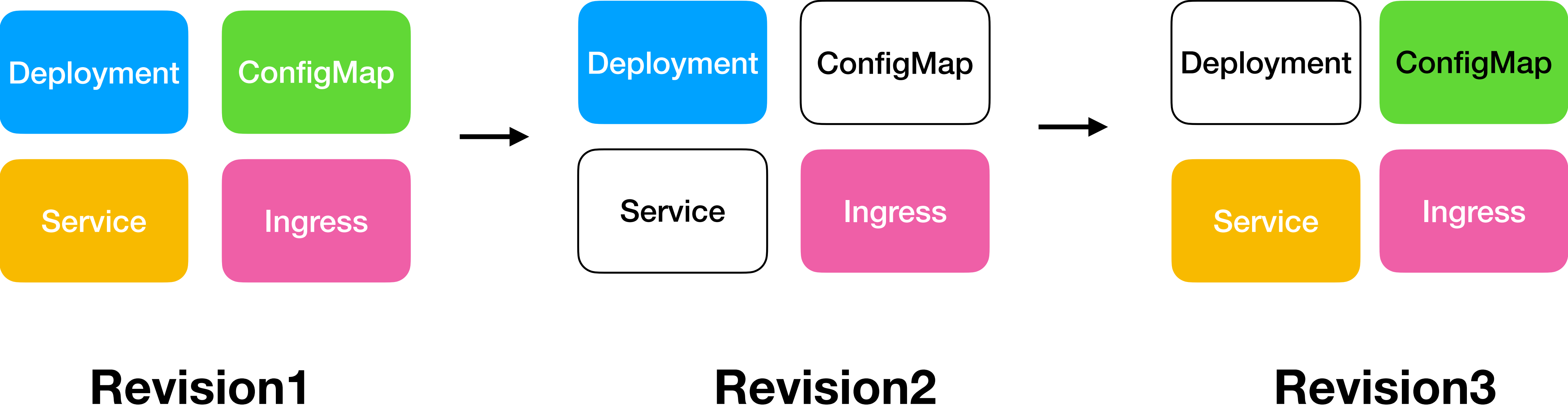
```
helm uninstall apache
```

**Why**

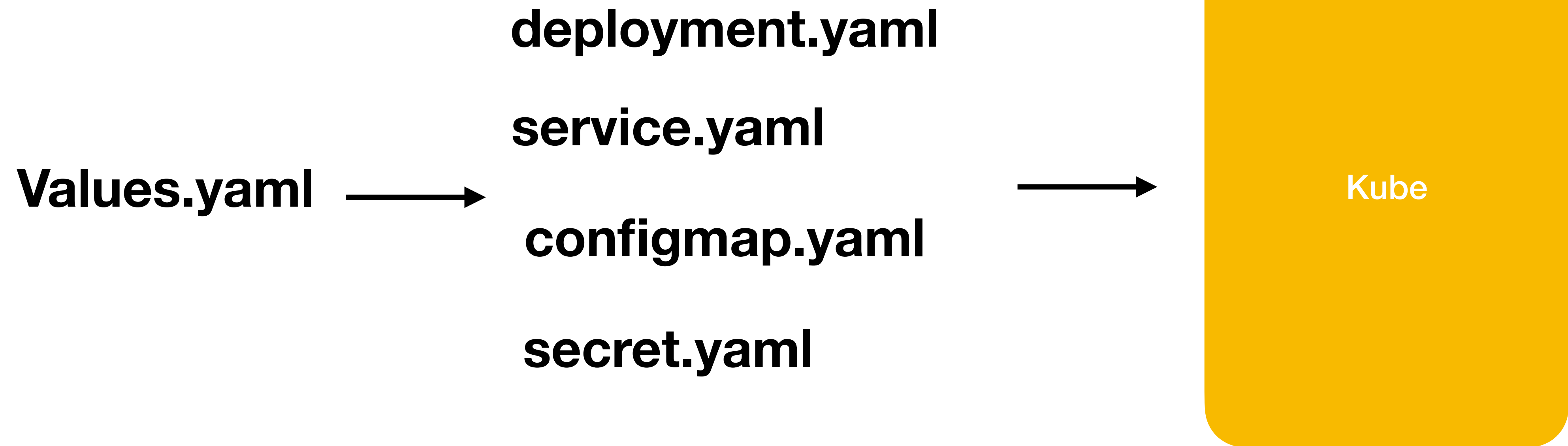
# Simple



# Revision History

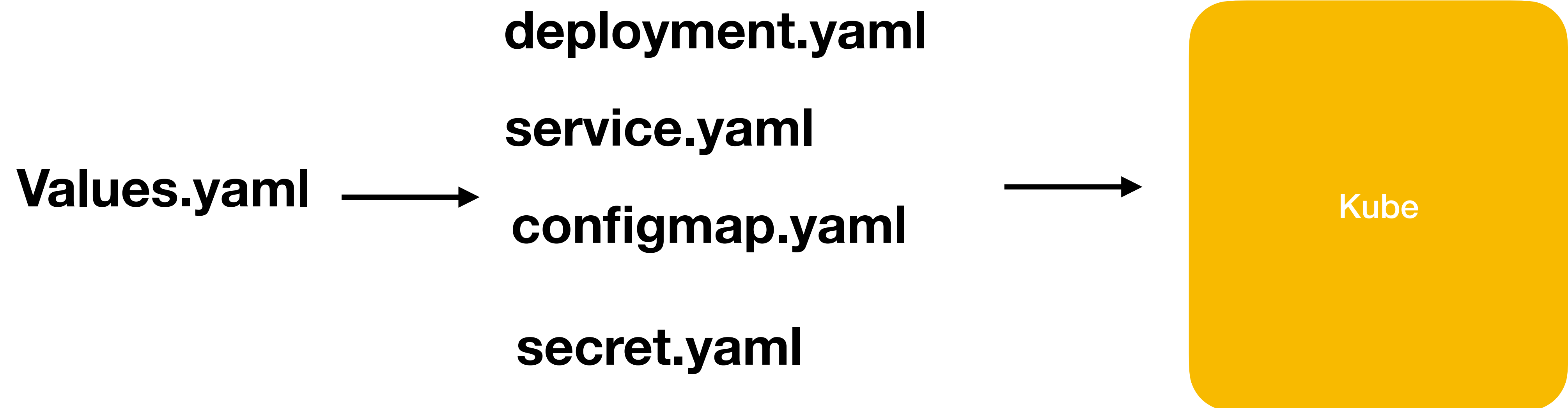


# Dynamic Configuration





# Consistency



## Chart

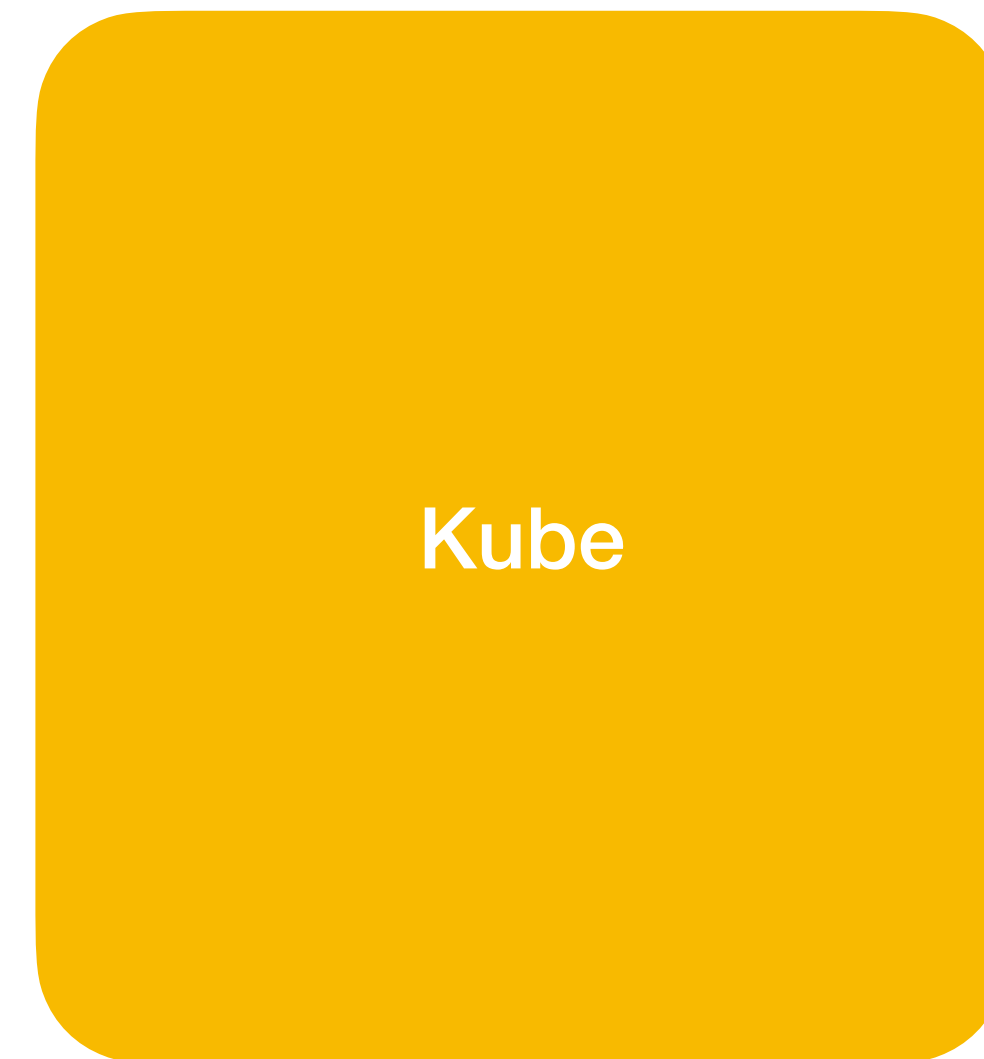
# Intelligent Deployments

**configmap.yaml**

**secret.yaml**

**deployment.yaml**

**service.yaml**



# Life Cycle Hooks

**Release**

**Install**

**Upgrade**

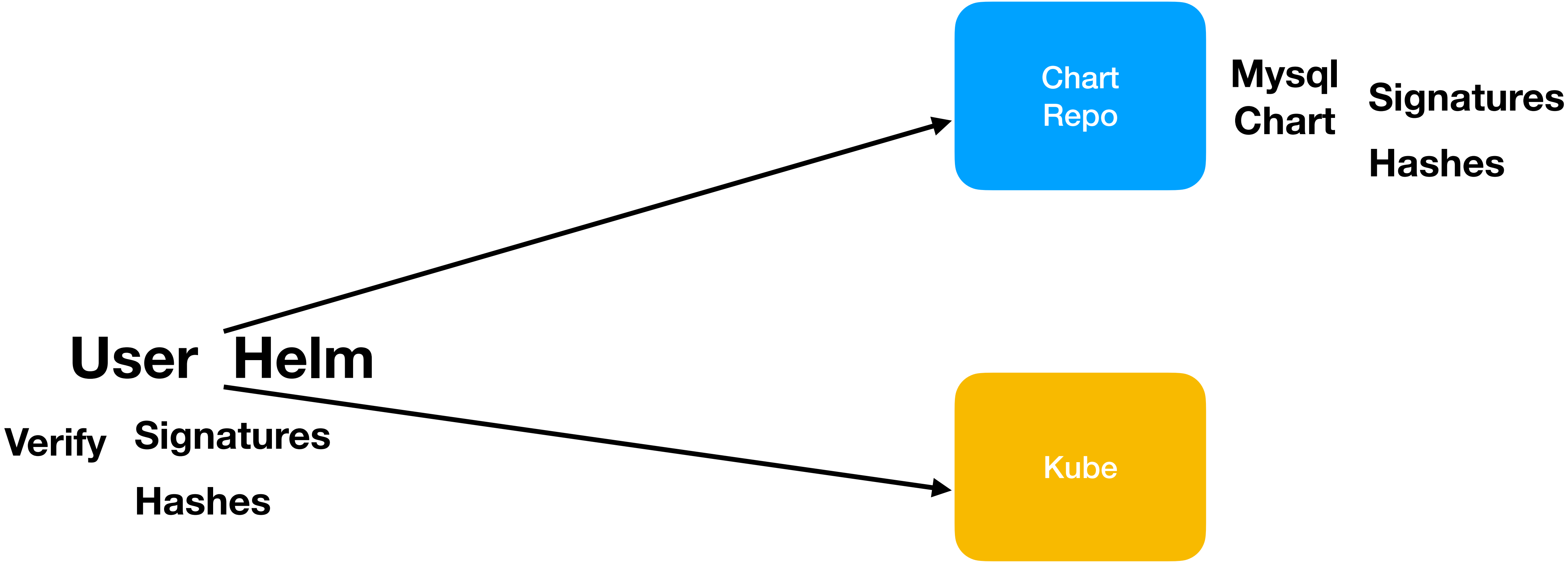


**Hook**

**Data to db**

**Backing up a db**

# Security



# Helm in action

install

bitnami/tomcat

Get Password

Upgrade

values.yaml

Uninstall

# Command Deep Dive

Generate Name

bitnami/tomcat

Dry Run

Templates

Get Release Notes

Release Records

# Chart Creation and Advanced Charts

Create a chart

Tomcat Dependency

Pass Values

Package

Install

# Repositories

Local

Git Hub Pages

OCI



# Security

Generate Keys

myChart.tgz.prov

Verify

Install

# Steps

Create Chart and Configure Image

Update Deployment

Configure NodePort

Add MySql Dependency

Pass Values

Use ConfigMap

Release and Test

# Starters

## Resume Template

## Microsoft Word

## Report Template

Python

Java

**Starters**

Spring Boot and Mysql