

## 34一款好用的 helm dashboard 管理工具

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Helm 作为 k8s 包管理工具，非常好使，但是他没有提供 dashboard 对版本进行统一管理，只能通过命令行进行管理，今天介绍一个 开源的 dashboard 可以很方便的对其进行管理。

#### helm-dashboard

参考如下 github 项目：

<https://github.com/komodorio/helm-dashboard>

The screenshot displays the Helm Dashboard interface for a release named 'metrics-server'. On the left, a 'Revisions' sidebar lists nine versions, with the current one (#9) marked as 'DEPLOYED'. The main panel shows the release is 'DEPLOYED' and provides details like 'chart version: metrics-server-3.7.0', 'app version: 0.5.2', 'namespace: default', and 'cluster: kind-kind'. It also indicates 'Upgrade complete'. Below this, a 'Resources' tab is active, showing a table of installed resources:

RESOURCE TYPE	NAME	STATUS	STATUS MESSAGE
ServiceAccount	metrics-server	Exists	
ClusterRole	system:metrics-server-aggregated-reader	Exists	
ClusterRole	system:metrics-server	Exists	
ClusterRoleBinding	metrics-server:system:auth-delegator	Exists	
ClusterRoleBinding	system:metrics-server	Exists	
RoleBinding	metrics-server-auth-reader	Exists	
Service	metrics-server	NotFound	Error from server (NotFound): services "metrics-server" not found
Deployment	metrics-server	Available	Deployment has minimum availability.
APIService	v1beta1.metrics.k8s.io	NotAvailable	service/metrics-server in "default" is not present

Buttons for 'Upgrade to 3.8.2', 'Rollback to #8', and 'Uninstall' are visible at the top right. A watermark '云原生拓展' is present in the bottom right corner of the dashboard area.

#### 安装

它是作为 helm 的 plugin 方式运行的，安装插件：

```
helm plugin install https://github.com/komodorio/helm-dashboard.git
```

如果需要更新版本，运行：

```
helm plugin update dashboard
```

卸载：

```
helm plugin uninstall dashboard
```

运行服务:

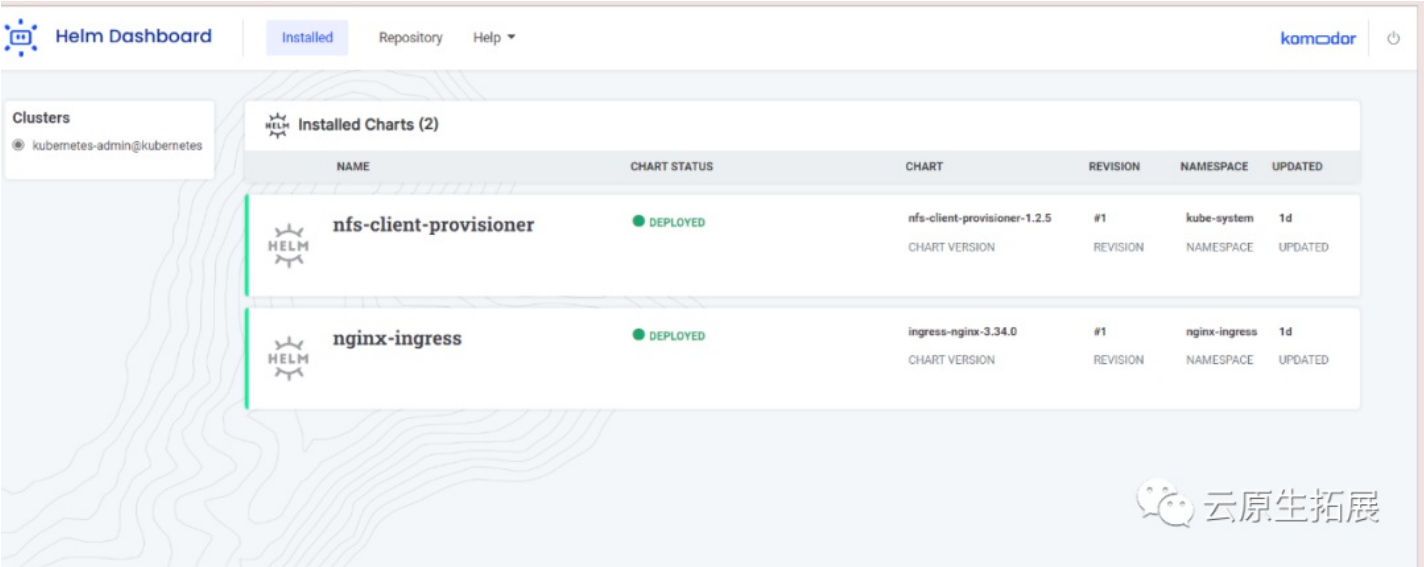
```
# 设置服务运行绑定 ipv4 , 否则只能本地访问
export HD_BIND=0.0.0.0
# 设置 web 端口, 默认8080
export HD_PORT=9000

# 设置不打开浏览器, 否则默认打开浏览器
export HD_NOBROWSER=1
# 后台运行
setsid helm dashboard &
```

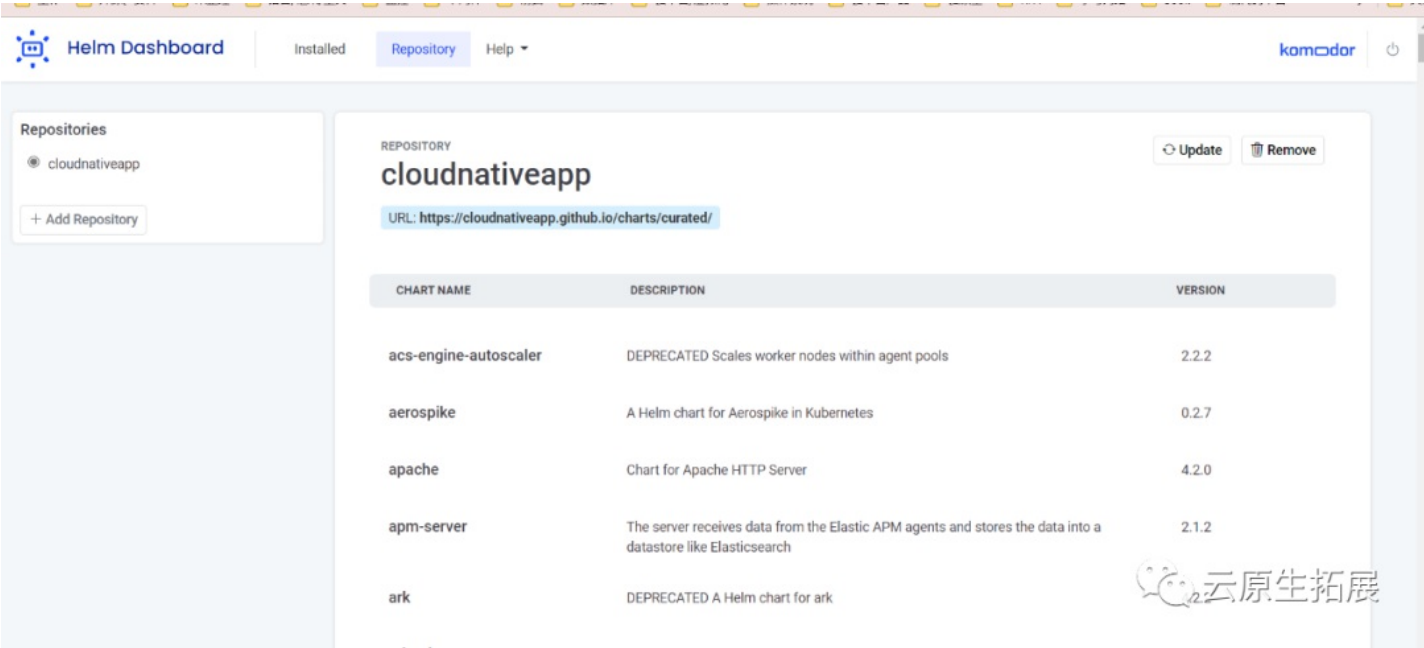
通过 ip + 设定的端口进行访问

页面功能


可以识别 helm 管理的多个集群中的 chart



管理 helm 仓库:



可查看 chart 详情, values manifest 信息、和之前的版本比较区别等等, 甚是方便


 Helm Dashboard

Installed

Repository

Help

komodor



Revisions

DEPLOYED

#1

AGE: 1d

DEPLOYED

nfs-client-provisioner

Reconfigure

Uninstall

Check for new version

Revision #1 2022/10/26 10:25:37

chart version: nfs-client-provisioner-1.2.5 app version: 3.1.0 namespace: kube-system cluster: kubernetes-admin@kubernetes

Install complete

Resources

Manifests

Values

Notes


View

Diff with previous

Diff with specific revision: 1

User-defined only

```
affinity: {}
image:
  pullPolicy: IfNotPresent
  repository: registry.cn-hangzhou.aliyuncs.com/kubeapps/quay-nfs-client-provisioner
  tag: v3.1.0-k8s1.11
nfs:
  mountOptions: null
  path: /data/nfsdata
  server: 172.28.104.42
nodeSelector: {}
podSecurityPolicy:
  enabled: false
rbac:
  create: true
  replicaCount: 1
resources: {}
```

 云原生拓展

同时，如果你的 helm 机器上面安装了 trivy 以及 checkov 安全扫描工具，也支持扫描 chart 产生的资源，出具扫描报告

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