2017 China Kubernetes End User Conference
kubernetes 中国用户大会
KEUC 2017
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快速部署高可用的 Cloud Native 技术栈

马全一 <maquanyi@huawei.com>

主办：CLOUD NATIVE COMPUTING FOUNDATION
caicloud 才云

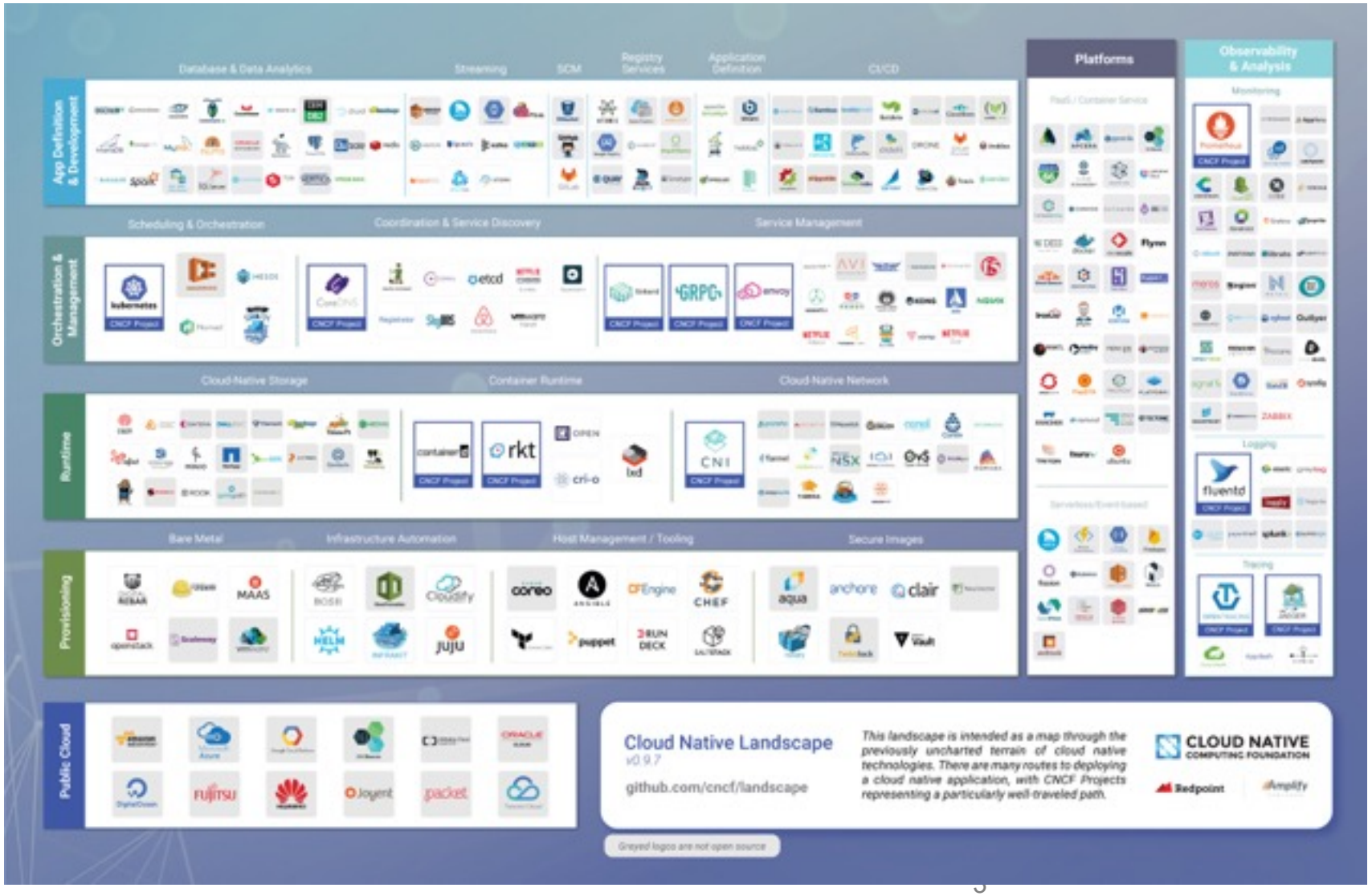
Who Am I?

Quanyi Ma

DevOps & Open Source Expert
Senior Architect & Full Stack Developer

Email: maquanyi@huawei.com
Twitter: @genedna
Github: https://github.com/genedna

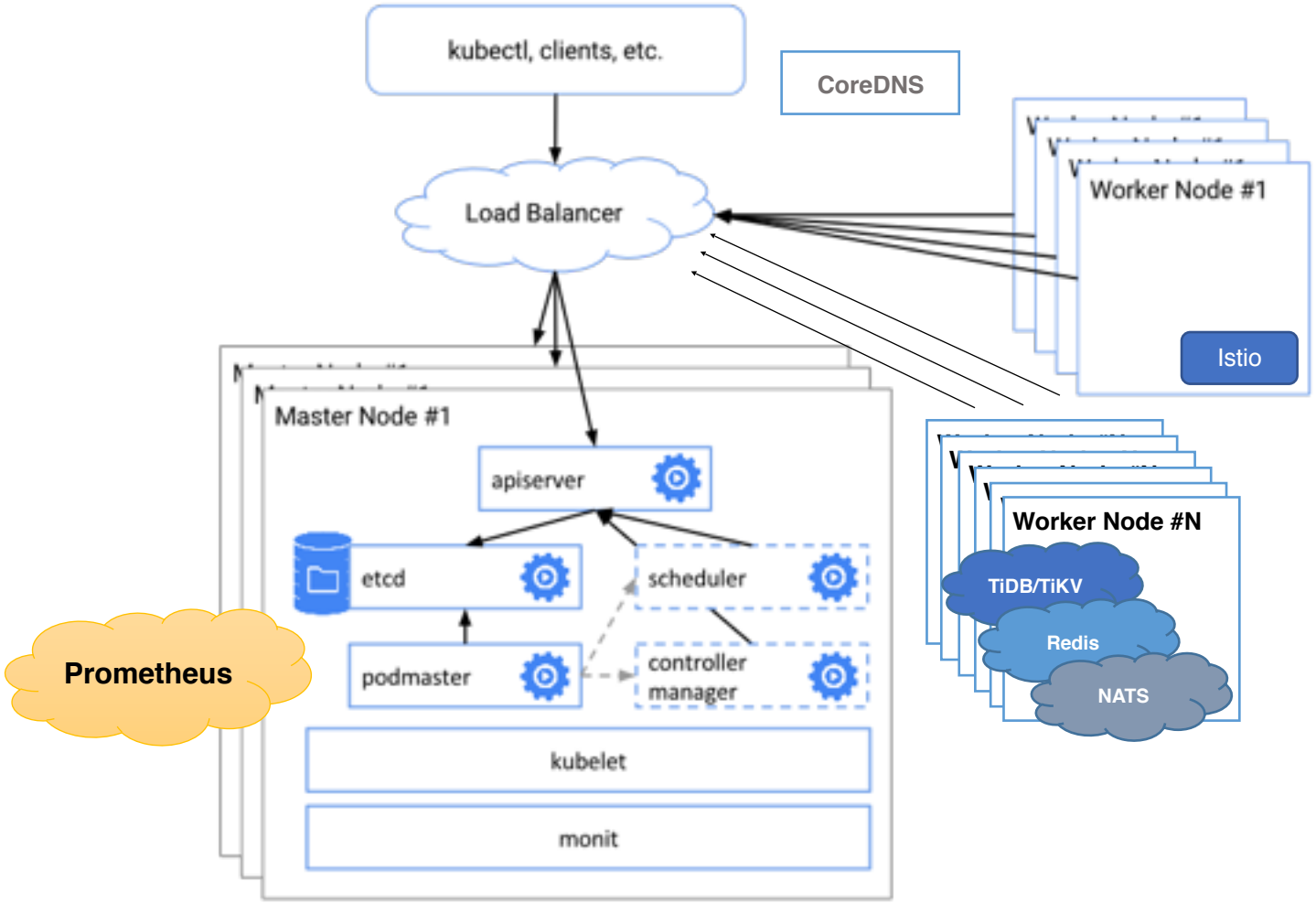
Cloud Native Landscape



1. Why don't have any definition about Cloud Native Application?
2. What's Cloud Native Application?

The CNCF Cloud Native Landscape Project is intended as a map through the previously uncharted terrain of cloud native technologies. This attempts to categorize many of the most popular projects and product offerings in the cloud native space. It is under development by CNCF with assistance from Redpoint and Amplify. ***There are many routes to deploying a cloud native application, with CNCF Projects representing a particularly well-traveled path.***

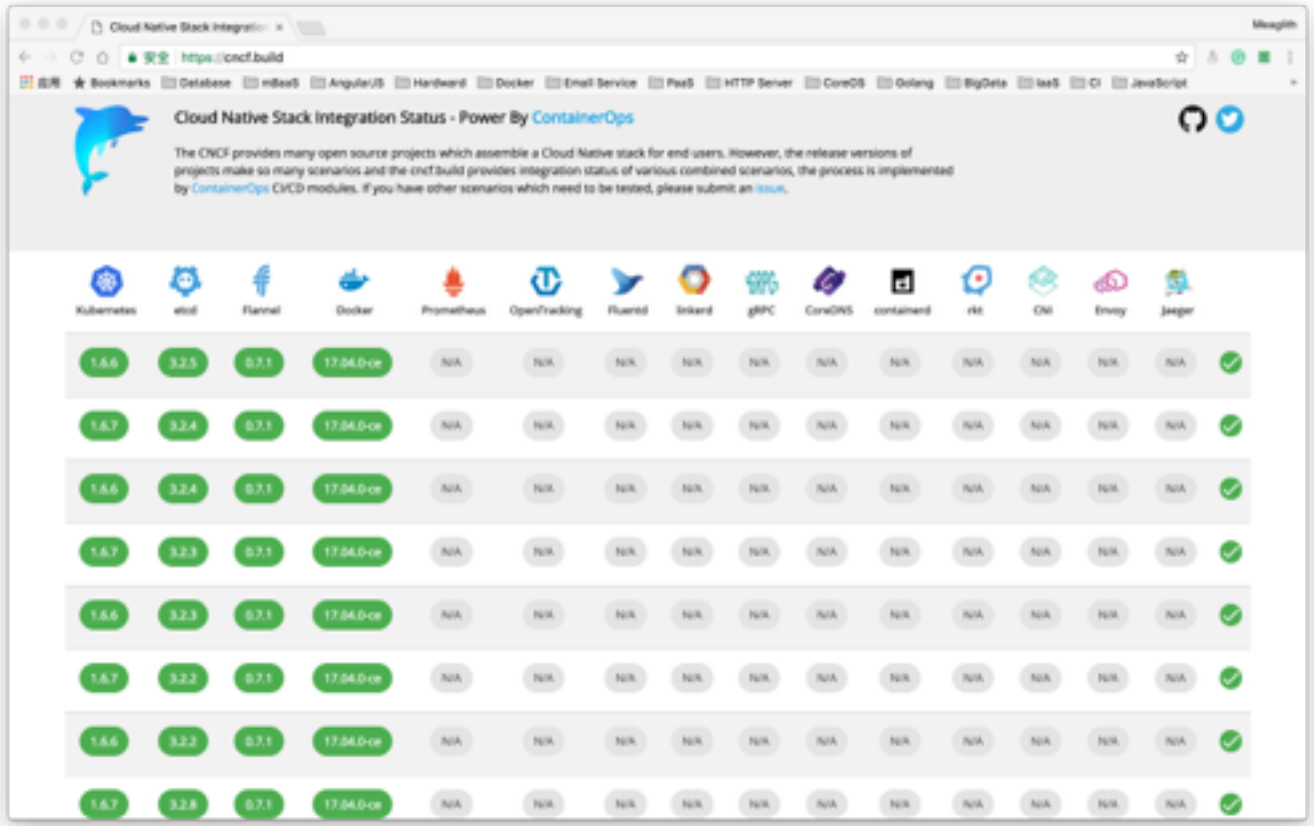
主办：



Kubernetes 是 *Cloud Native* 技术栈的基石，所以 *Kubernetes* 与其它组件的兼容性测试应该是 *Cloud Native Foundation CI* 的重点。

cncf/cross-project 和 cncf/cross-cloud

cncf.build


Cloud Native Stack Integration Status - Power By ContainerOps
The CNCF provides many open source projects which assemble a Cloud Native stack for end users. However, the release versions of projects make so many scenarios and the cncf.build provides integration status of various combined scenarios, the process is implemented by ContainerOps CI/CD modules. If you have other scenarios which need to be tested, please submit an issue.
Kubernetes
etcd
Flannel
Docker
Prometheus
OpenTracing
Fluentd
linkerd
gRPC
CoreDNS
containerd
rkt
CNI
Envoy
Jaeger

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Demo

主办：
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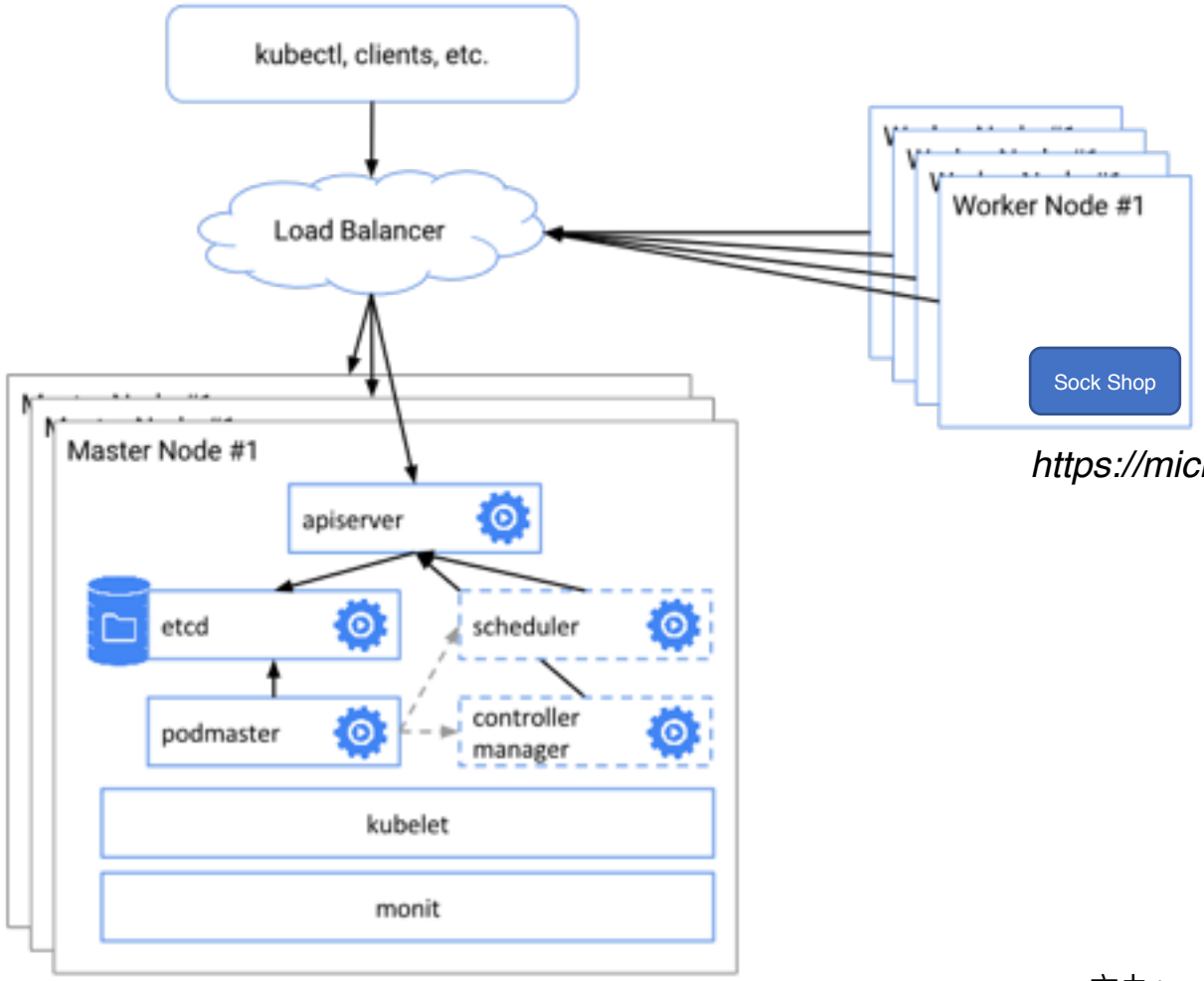
中国社区

Kubernetes HA



https://microservices-demo.github.io

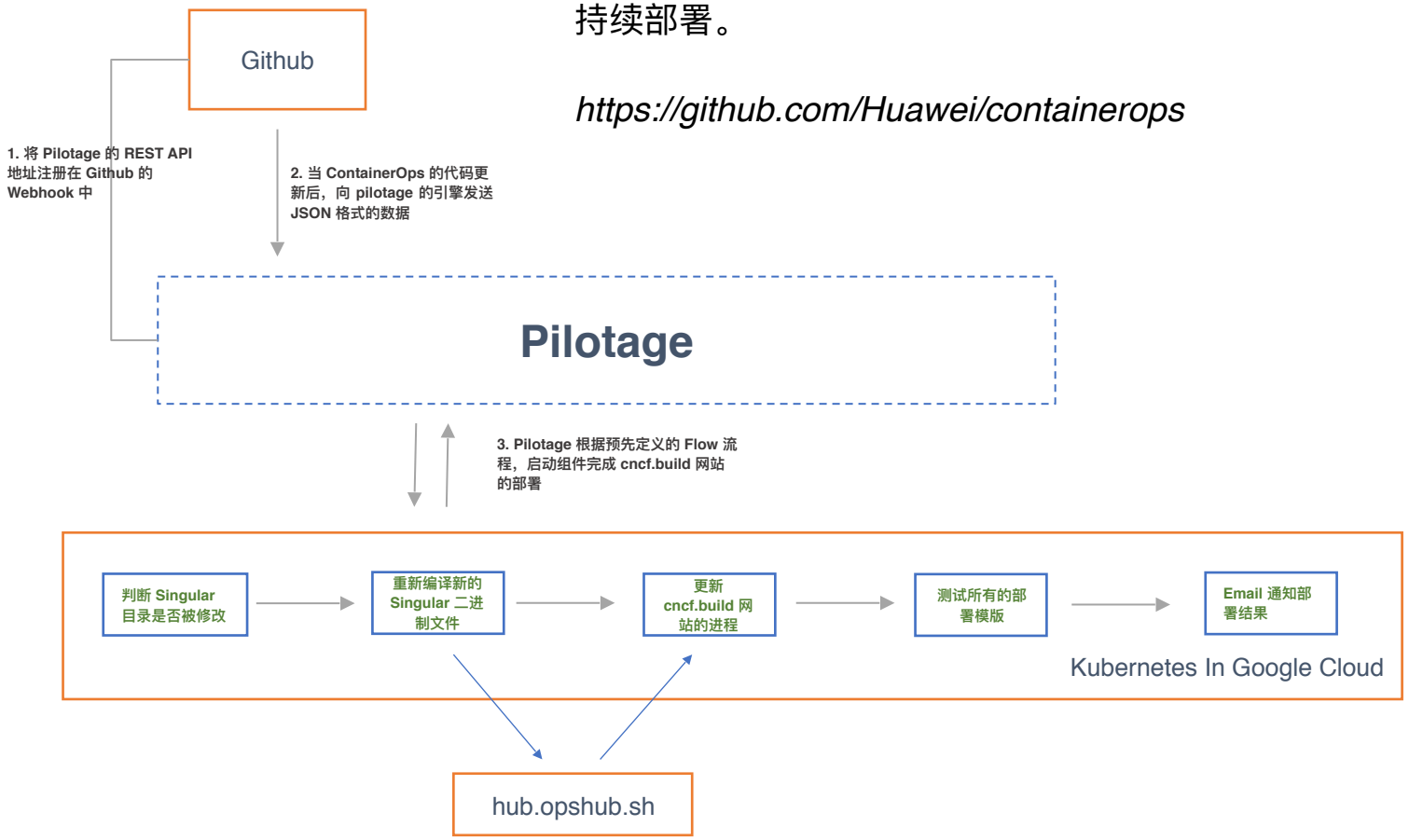
```
11    name: etcd
12    version: etcd-3.2.8
13    master: 3
14    minion: 0
15    components:
16      -
17        binary: etcd
18        url: https://binary.nyc3.digitaloceanspaces.com/etcd/3.2.8/etcd
19        package: false
20        systemd: etcd-3.2.8
21        ca: etcd-3.2.8
22      -
23        binary: etcdctl
24        url: https://binary.nyc3.digitaloceanspaces.com/etcd/3.2.8/etcdctl
25        package: false
26  -
27    name: flannel
28    version: flannel-0.7.1
29    master: 3
30    minion: 0
31    dependencies:
32      - etcd
33    components:
34      -
35        binary: flanneld
36        url: https://hub.opshub.sh/binary/v1/containerops/binary/binary/0.7.1/flanneld
37        package: false
38        systemd: flannel-0.7.1
```

使用 *YAML* 格式文件描述 *Cloud Native* 技术栈架构，使用 *Singular* 命令一键部署测试。

Singular deploy template cloud-native-stack.yml --verbose --timestamp --delete

使用 *ContainerOps* 多个组件配合实现 *cncf.build* 持续部署。

https://github.com/Huawei/containerops



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Q&A

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