



Juju & Charmed Operators

past, present and future



A timeline

it all
begins...

services
framework

reactive
framework

operator
framework

sidecar
 charms



2009

2014

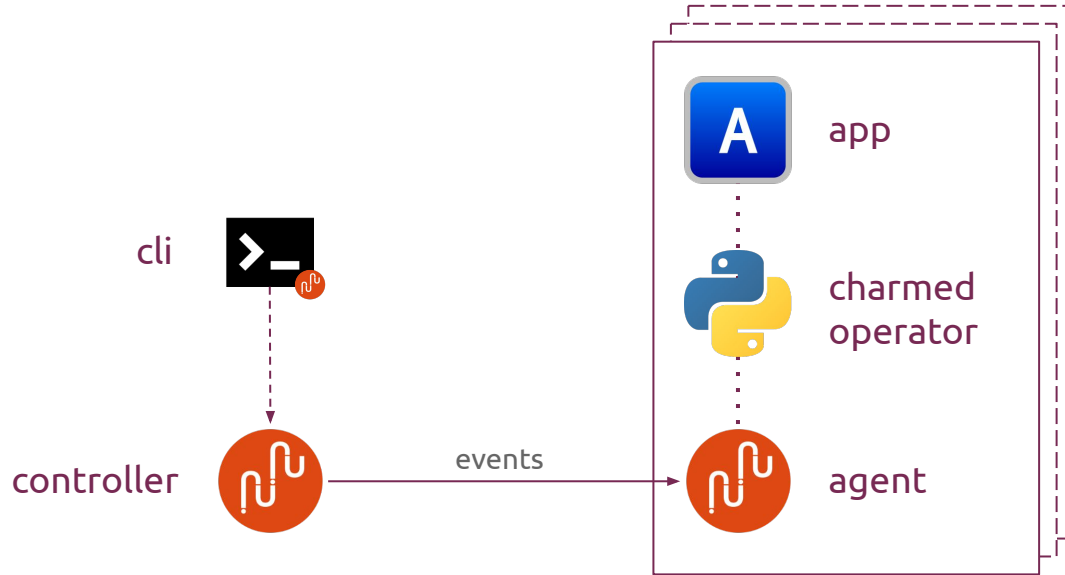
2015

2019

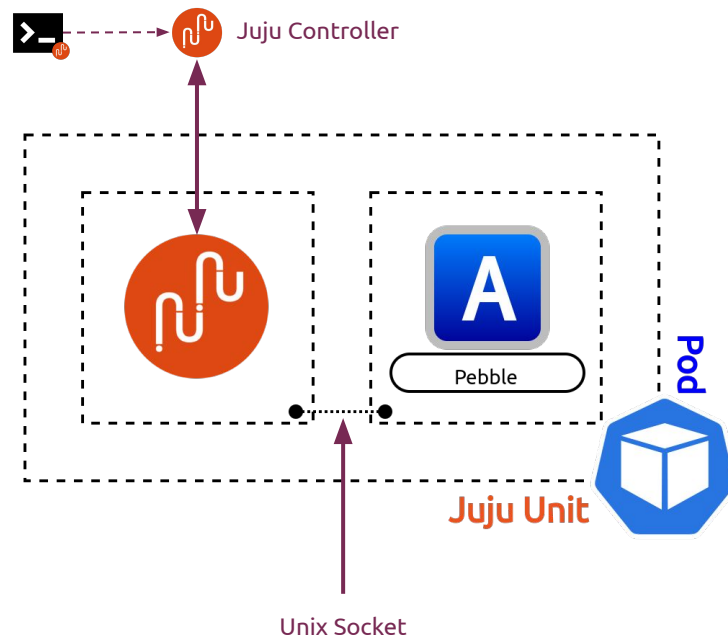
2021

juju.is/docs/sdk/history

Some things haven't changed...



Enter Pebble



Pebble: work to date



Workload
Logging



Smarter
Restarts



Files
API



Command
Execution



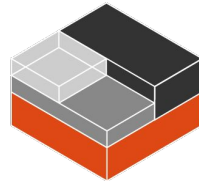
Health
Checks

juju.is/docs/sdk/pebble

Testing improvements



GitHub Actions



github.com/canonical/charming-actions

Charmhub x Github Actions

✓ Merge pull request #40 from canonical/purge-sdi-polish Release to Edge #32

Summary

Jobs

- ✓ Lint
- ✓ Unit tests
- ✓ Integration tests (microk8s)
- ✓ Release to CharmHub

Triggered via push 20 hours ago

 jnsgruk pushed  ab5306e **main**

Status

Success

Total duration

22m 30s

Artifacts

1

release-edge.yaml

on: push

- ✓ Lint 17s
- ✓ Unit tests 29s
- ✓ Integration tests (micro... 14m 46s
- ✓ Release to CharmHub 7m 14s

github.com/canonical/charming-actions

Development updates



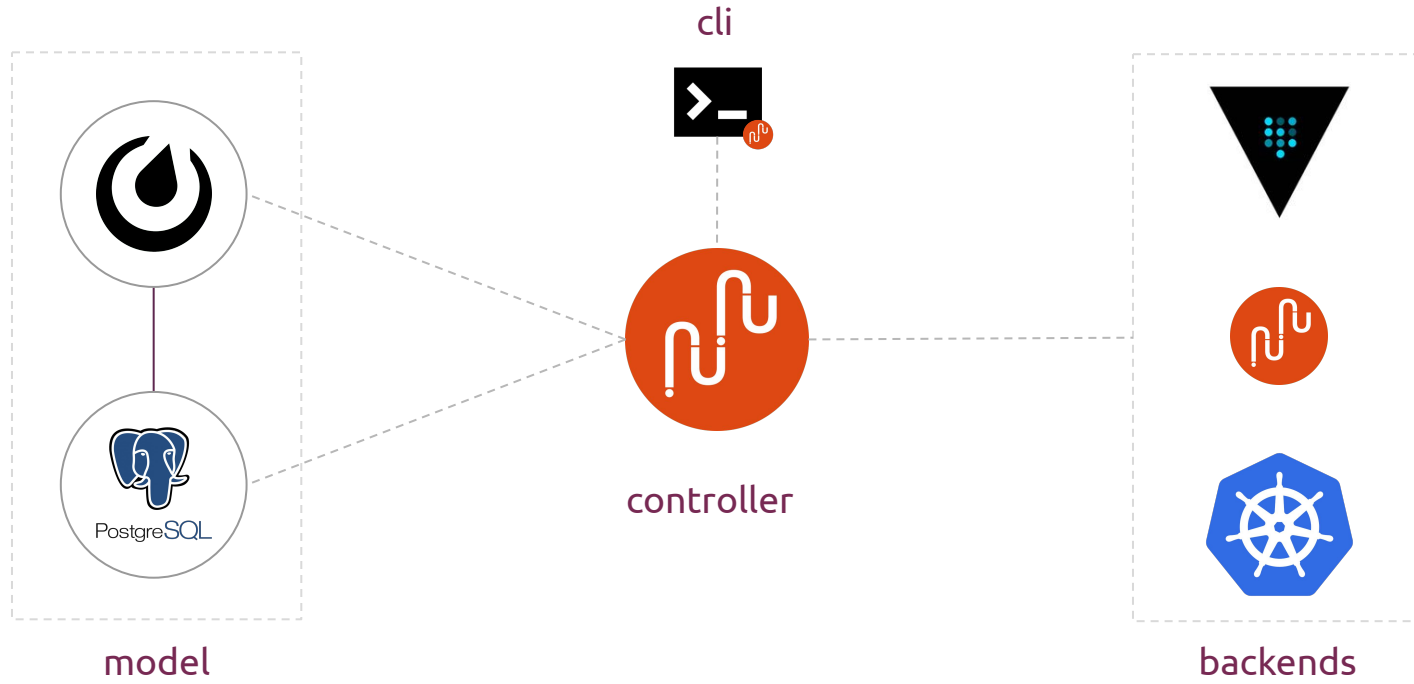
Juju 3.0

Juju Terraform Provider



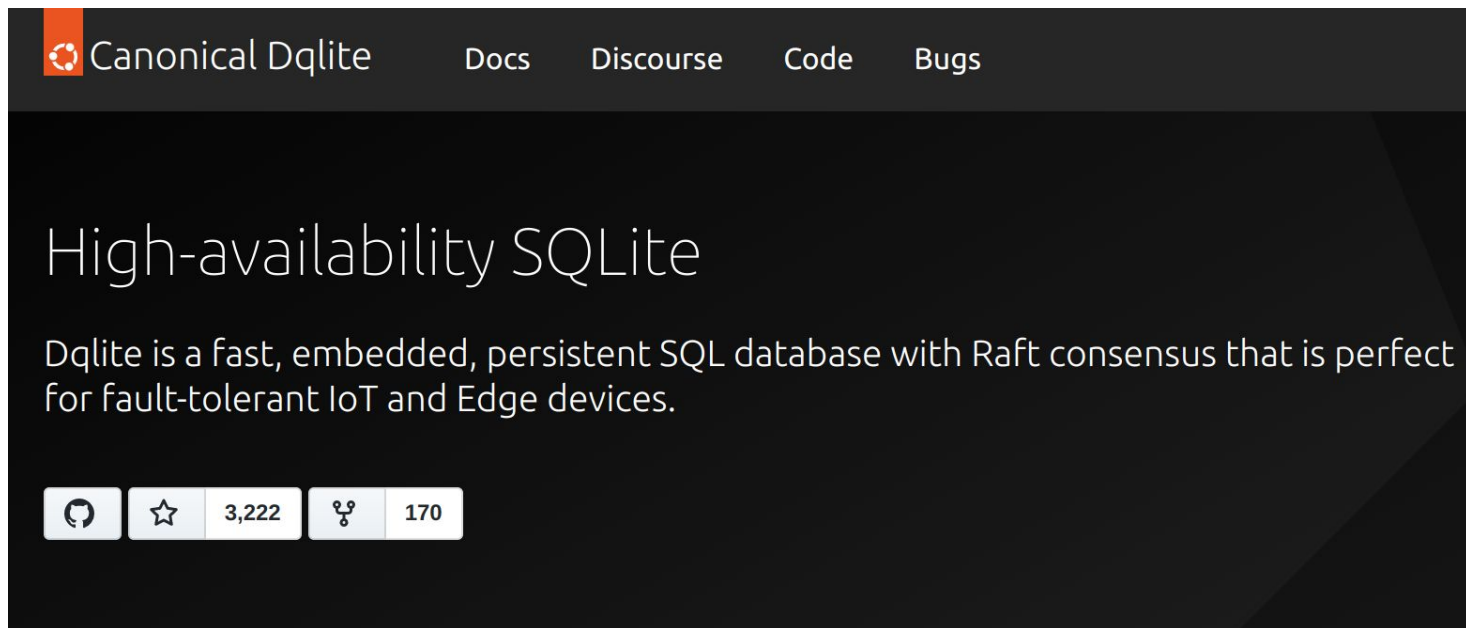
juju.is/docs/terraform

Juju Secrets



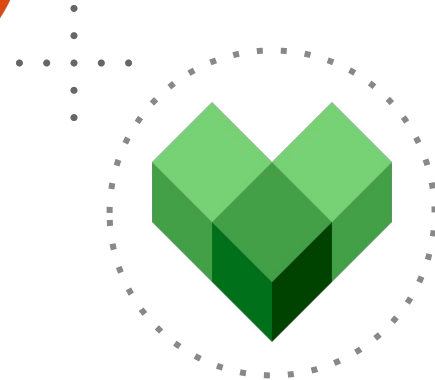
What next?

Sunsetting MongoDB

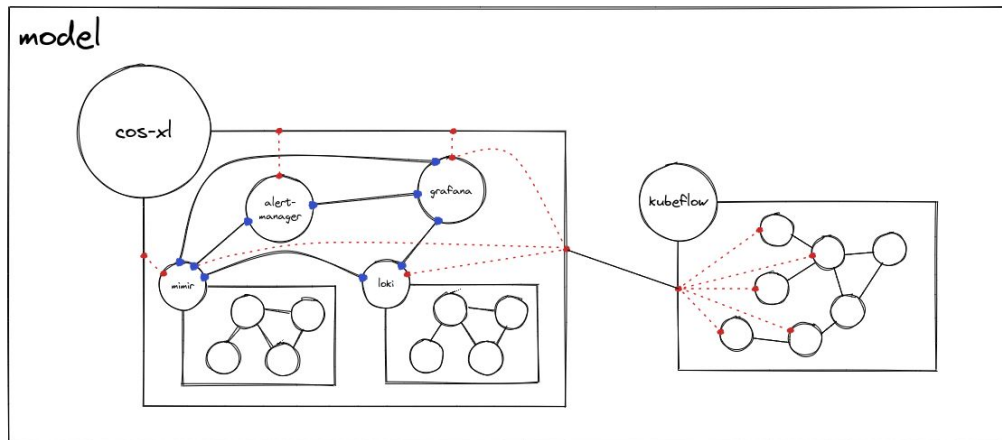


Scriptability

scriptlets
documents
schemas
stacks



Stacks



```
juju deploy cos-xl  
juju deploy kubeflow  
juju integrate cos-xl kubeflow
```

Get involved!

Charmhub



charmhub.io

Forum



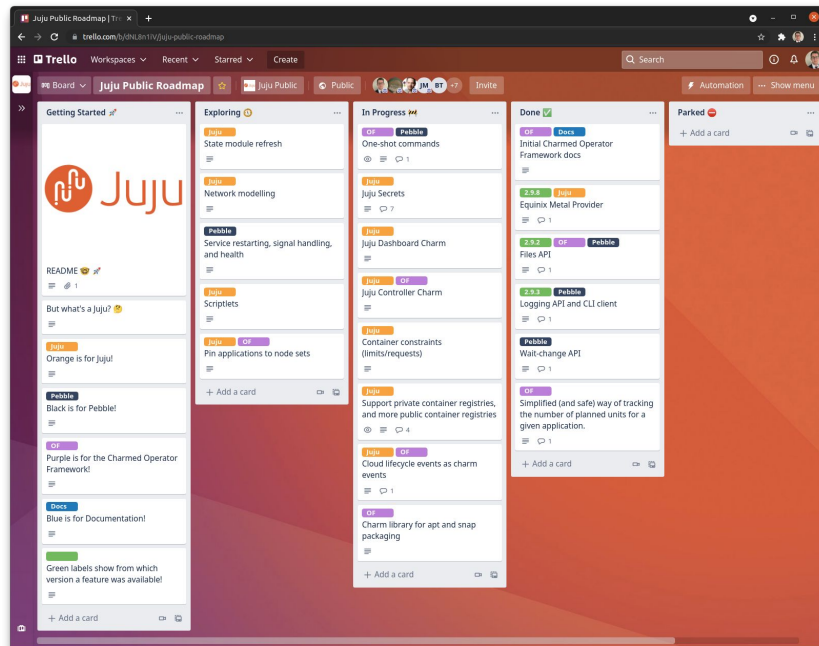
discourse.charmhub.io

Chat



chat.charmhub.io

Public Roadmap



juju.is/docs/roadmap



Thank you!