

# Charmed Indico

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March 20, 2023

CANONICAL  ubuntu 



# Indico Operator

A Juju charm for deploying and managing Indico on Kubernetes

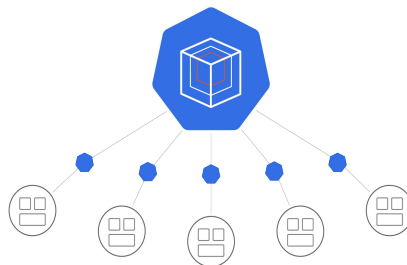
Simplifies deployment and Day *n* operations



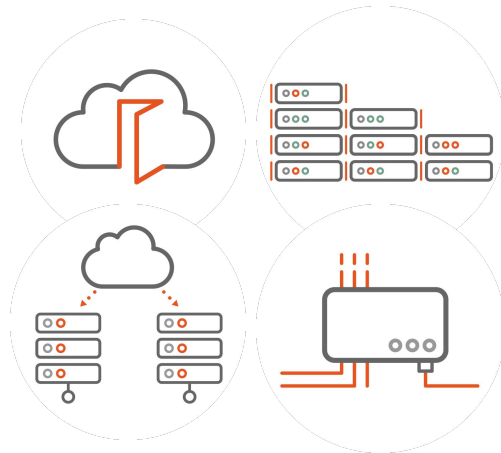
Deployments on different K8s platforms



Supports scaling out for enterprise deployments



Multi-cloud



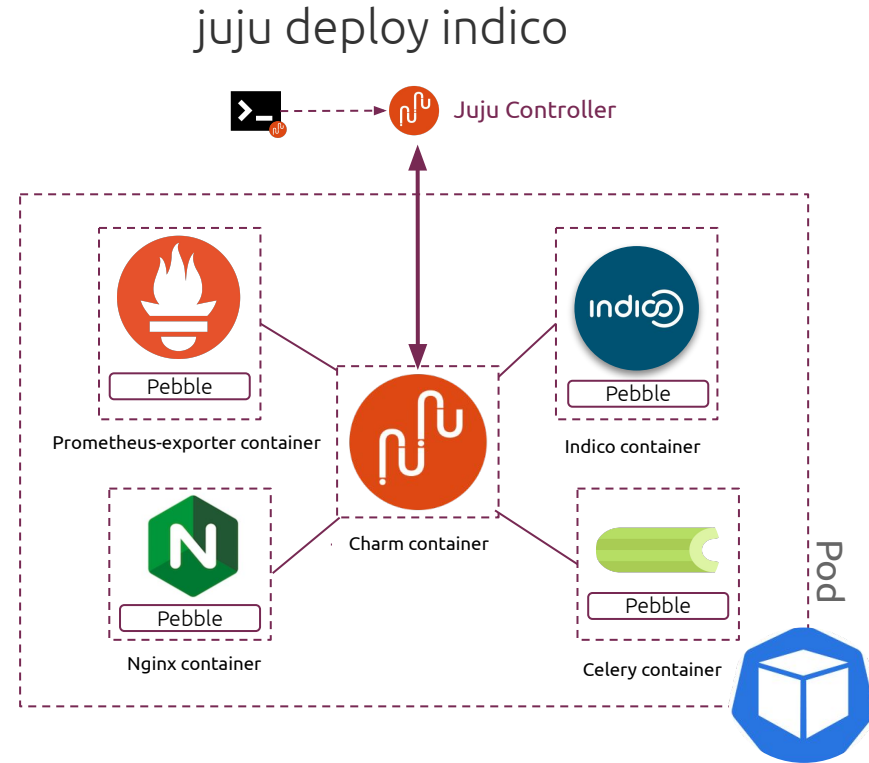
# Charm Overview

<https://charmhub.io/indico>

<https://github.com/canonical/indico-operator>

Indico is a flask application that requires connections to PostgreSQL, Redis, and Celery.

The charm leverages the sidecar pattern for running multiple containers in each pod.



# Advantages of Juju and Operator framework



- Develop operators in Python, deploy on K8s
- Write once, deploy anywhere
  - Same charm for production, staging, development
  - Can be used for any deployment of Indico:
    - `events.canonical.com`
    - `events.your-company.com`
- Clean interface to interact with the application

```
juju deploy indico
juju config indico site_url=events.your-company.com
juju relate indico nginx-ingress-integrator
juju add-unit indico -n 5
juju run-action --wait indico/0 refresh-external-resources
```

# Advantages of the charm



- Use an object storage backend (e.g. S3) to store file uploads
- Integration with SSO
- Supports proxy for external access
- Pull in themes and customisations
- Version upgrades to Indico handled by the charm
  - `juju refresh indico`
- Relations to PostgreSQL, Redis, Ingress charms
- Deals with secrets internally

# Join the charming community!



[charmhub.io/indico](https://charmhub.io/indico)



[discourse.charmhub.io](https://discourse.charmhub.io)



[chat.charmhub.io](https://chat.charmhub.io)



Thank you!  
Any questions?