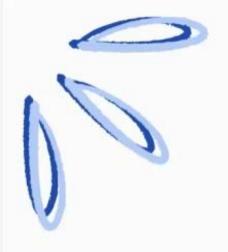
# Summer 2024 Intern Presentations

Collated by Justin Wilson





RKE2 KUBEFLOW





#### WHAT I'VE LEARNED

#### **Security Measures**

- Key pairs
- Security groups
- MFA

#### Amazon Web Services (AWS)

- Creating Instances
- Creating a cluster with RKE2
- IPs & Elastic IPs

#### Rancher

- Deploy cluster
- Manages cluster



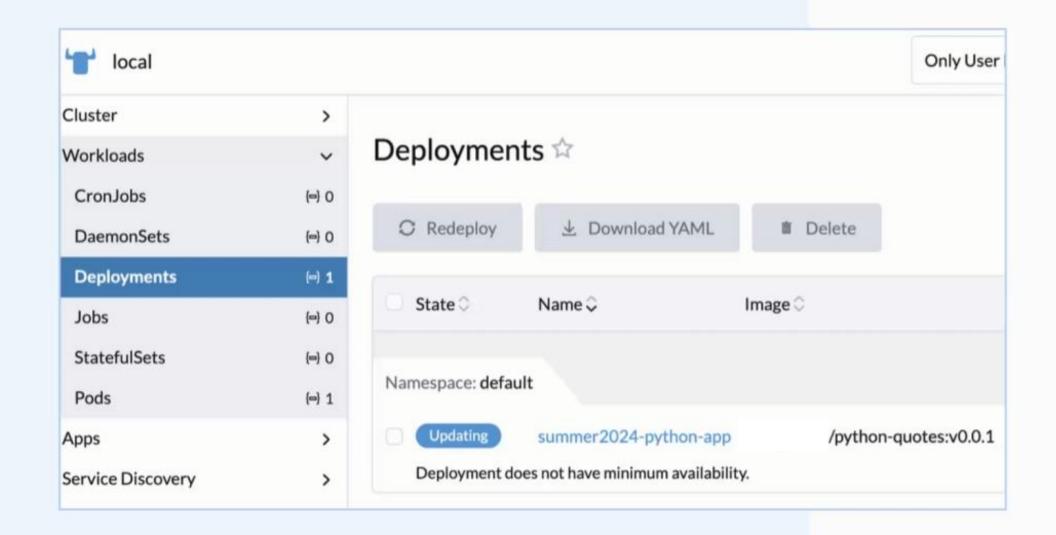
#### **Docker & Containers**

- Create containers
- · Works with Kubernetes
- Manage with Rancher

#### **Experience in Terminal**

- Windows to MacOS
- Practice commands
- coding & formating in vim (GitHub)







■ ubuntu@ip × + ✓

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/pro

System information as of Tue Jul 23 04:08:35 UTC 2024

System load: 0.6 Processes: 205
Usage of /: 24.4% of 60.95GB Users logged in: 0
Memory usage: 64% IPv4 address for enX0:

Swap usage: 0%

=> There is 1 zombie process.

\* Ubuntu Pro delivers the most comprehensive open source security and compliance features.

https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

44 updates can be applied immediately. 20 of these updates are standard security updates.

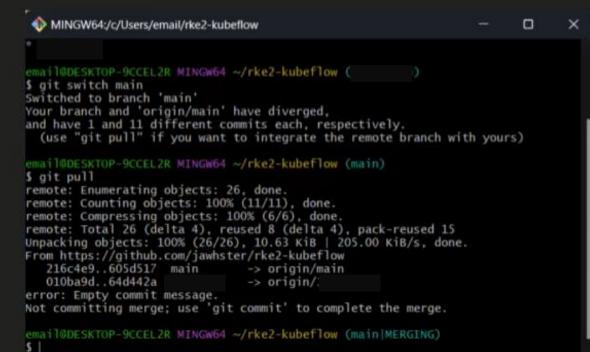
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates. See https://ubuntu.com/esm or run: sudo pro status

Last login: Tue Jul 23 04:08:36 2024 from ubuntuBip-172-31-21-62:-\$ |







# 2024 Summer RKE2 Kubeflow

### I learned

- Create AWS EC2 instances
- ssh into EC2 instances
- Github
- Deploy Python app on RKE2 cluster

## I liked

- Hands on experience
- Github (AI coding assist)