

DevOps Workshop

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The eResearch DevOps community

CSIRO, Brisbane, QLD

DESCRIPTION

The DevOps workshop is a bi-annual opportunity to discuss modern cloud-native approaches to designing and implementing systems – and how to apply them to eResearch science delivery. We all have different areas of expertise, and so have lots we can help each other with.

In the past we've had interesting discussions ranging from technology specific issues, all the way to hearing about different management concerns to the organizational changes needed to do Cloud based implementations.

This workshop is generally done as a participant un-conference. I organize speakers willing to do short presentations on selected examples of DevOps practice to trigger a discussion between participants – what issues they have, how they might apply them, or how they've had issues or solved issues.

Topics that we're likely to cover this time:

- Host and cluster configuration management – such as Terraform
- Continuous integration and deployment – GitLab, Jenkins,
- Workflow, Pipelines and HPC
- More Orchestration – Kubernetes, Docker Swarm
- Monitoring, Logging and Observability – Prometheus, Loki, Jaeger
- Hybrid cloud, on premis?
- <https://landscape.cncf.io/>

WHO SHOULD ATTEND

eResearch IT staff, eResearch Software engineers and managers / researchers that have larger, or high availability service requirements.