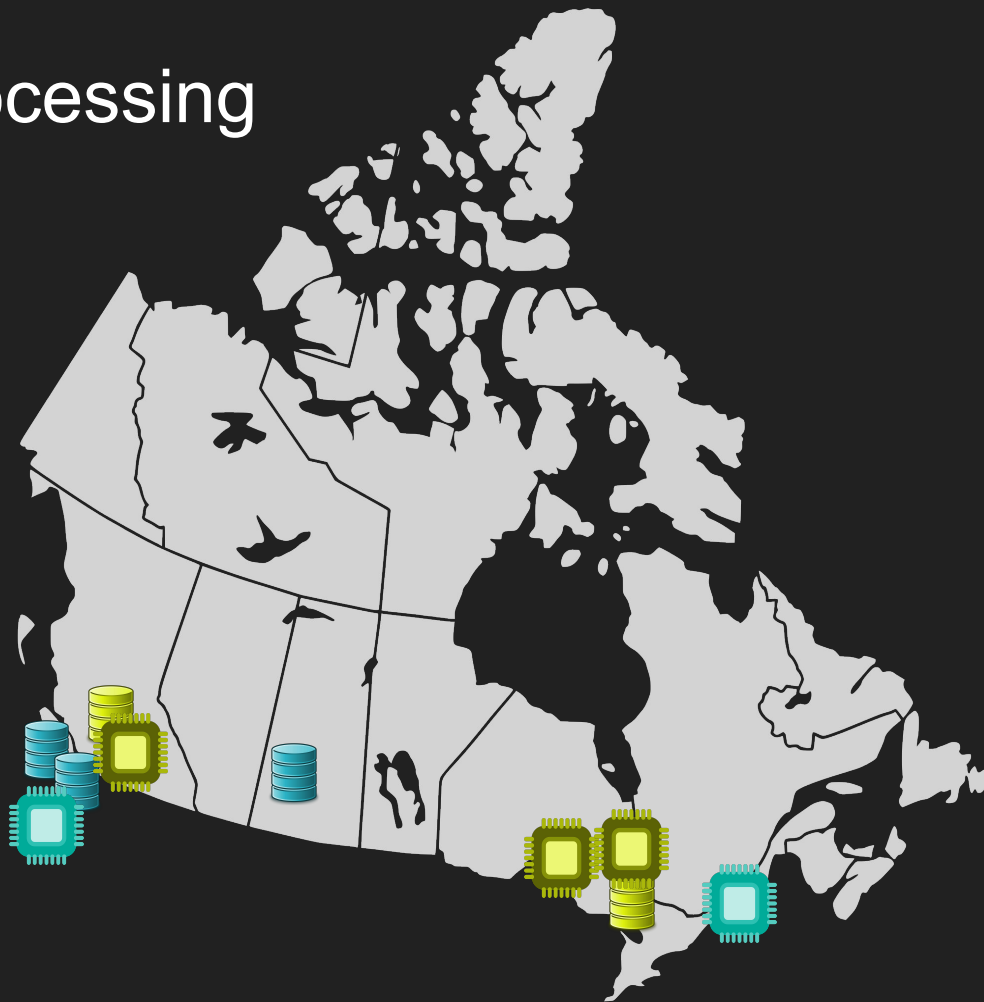


# CANFAR multi-cloud processing

- 2 OpenStack clouds
- 38 astro projects
- 18M jobs on 74k VMs
- 200TB user storage split into 220 project spaces

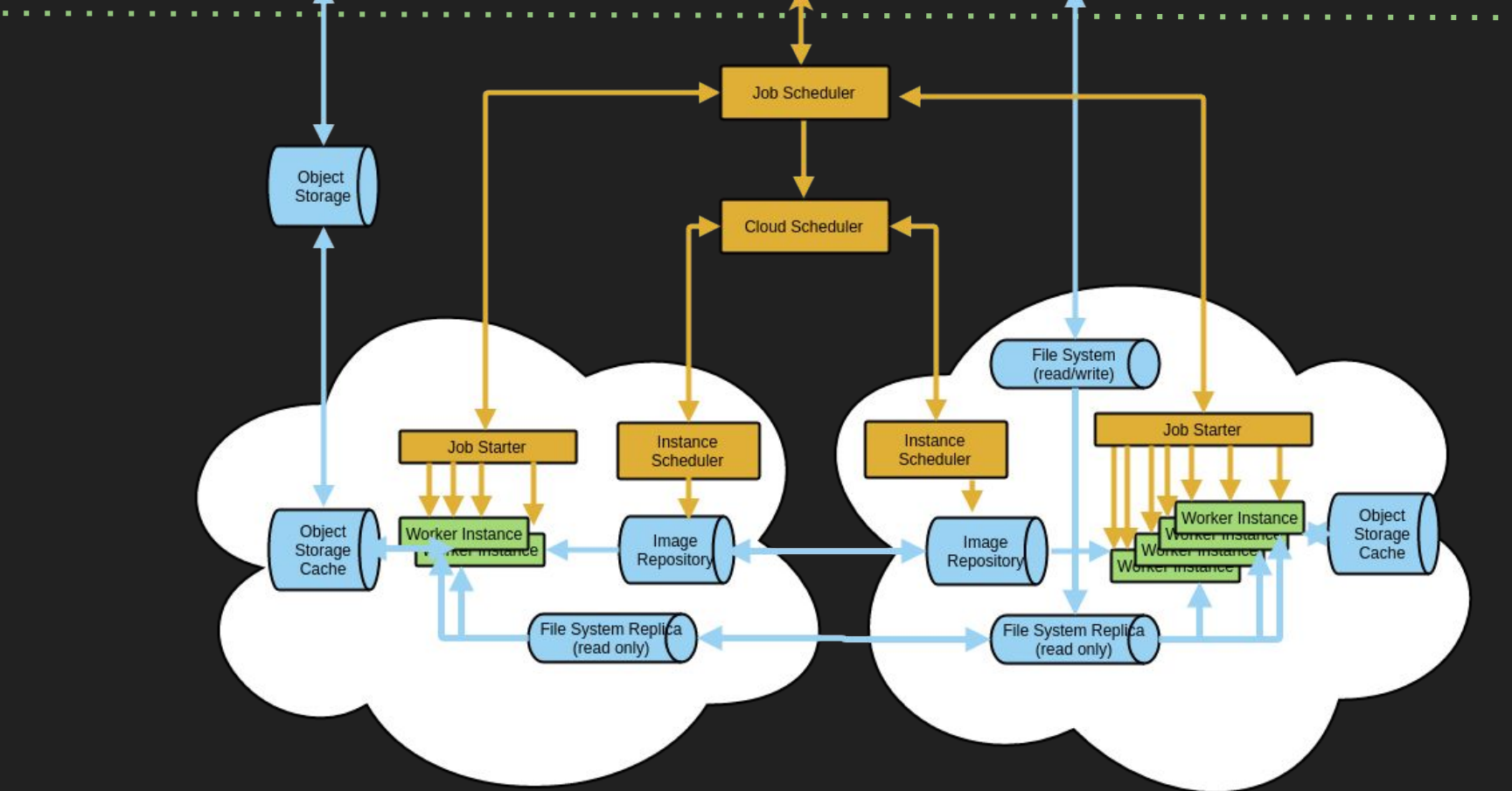


Users

Object Storage Client

CADC Batch Client

POSIX access



# user workflow and interaction with data

- a raw OpenStack portal with vanilla VMs + Volumes
- a web+cli (VOSpace) for user storage and data sharing
- 4 (known) projects using Jupyter as their main interaction with data on OpenStack portal.

## Limitations:

- data movement
- multi-data access, many user responsibilities
- maintenance on multi-tenancy software stack diversity
- needs more integration: AAI, storage access, automated deployments

# Astronomy Cyber Laboratory Platform

Submitted CFI proposal: CADC + 9 .ca universities

- hybrid cloud container orchestration
- jupyter interaction for everything
- user db
- integrated tiered storage