What is Agave?

Agave is a *Science-as-a-Service* web API platform

- Run scientific codes
  - your own or community provided codes
- ...on HPC, HTC, or cloud resources
  - your own, shared, or commercial systems
- ...and manage your data
  - reliable, multi-protocol, async data movement
- ...from the web
  - webhooks, rest, json, cors, oauth2
- ...and remember how you did it
  - deep provenance, history, and reproducibility built in
Why call it a platform?

It’s more than just APIs

- Multitenant
- Hosted identity management
- Supports multiple IdP
- OAuth2/OIDC server
- API Management
- Hosted or on premise

- Vertical SSO
- Analytics and reporting
- Developer resources
- Multiple SDK & CLI
- Reference gateway
- White labeled
- 100% open source
Think of it like Salesforce for Science

Whatever your role...

- Developer
- Service provider
- Infrastructure provider
- Educator
- Researcher

...Agave can help

- Development
- Deployment
- Delegation
- Discussion
- Discovery
Used to power web applications
Used to power mobile applications
Used to extend existing processes
Links

Agave Developer’s Site
iPlant Collaborative
Arabidopsis Informatics Portal
Texas Advanced Computing Center