**Agave Platform**

**THE LEADING ALL-IN-ONE SCIENCE-AS-A-SERVICE PLATFORM FOR THE OPEN SCIENCE COMMUNITY**

**Manage Data**

Agave's hybrid cloud infrastructure allows you to securely manage, move, and share your data on your terms. No installation. No lock-in. Everything you expect from a first class data management platform. It’s never been easier to move from campus to cloud and back.

**Run Code**

Extend the reach and reproducibility of your existing code through Agave's app catalog. With support for every major HPC, HTC, Cloud, Container, and Big Data environment in use today, Agave can run your code, manage the lifecycle, and give you and your collaborators full control over the entire process.

**Collaborate Meaningfully**

Great ideas are not bound to an email, messaging, and shared folders so why should your collaborations be? Add value to your existing processes and the time you spend with students, colleagues, and coworkers by inviting them into every area of your research lifecycle. Agave's standards-based Identity and Access Management allow you to work with your world on your terms.

**Integrate Anywhere**

Looking for automation, webhooks, web sockets, or just a way to bring the Internet of Things to your things? Agave's rich notification and event system allow you to run code and take action in response to events you define using the standards that drive the modern web.

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**Arabidopsis Informatics Portal**

The Arabidopsis Informatics Portal, Araport, is a one-stop-shop for Arabidopsis thaliana genomics. Araport utilizes Agave's data and API management services to aggregate, normalize, and expose over 150 third-party data sources to a worldwide user community. Metadata, attribution, and usage data is published to show impact and honor contributions to the open science community.

- **web**: [https://araport.org](https://araport.org)
- **tags**: data, api, sso, apps

**CyVerse**

CyVerse is a 10 year investment by the National Science Foundation to design, deploy, and expand a national cyberinfrastructure for life sciences research and train scientists in its use. Agave's federated IAM, apps, and jobs services have allowed their user community to build a catalog of hundreds of publicly available codes free for use by the open science community.

- **web**: [https://cyverse.org](https://cyverse.org)
- **tags**: apps, jobs, data, iam, platform

**VDJServer + iReceptor**

VDJServer and iReceptor are independently funded human immunology portals in the United States and Canada respectively. By leveraging the publication and collaborative features around Agave's data management solutions, the two projects were able to implement a shared data processing pipeline that leveraged the strengths of both projects.

- **web**: [https://vjserv.org](https://vjserv.org)
- **web**: [https://ireceptorgw.irmacs.sfu.ca](https://ireceptorgw.irmacs.sfu.ca)
- **tags**: data, workflow, iam, publication

**DesignSafe**

DesignSafe-ci.org is the cyberinfrastructure component of the NSF-supported Natural Hazards Engineering Research Infrastructure (NHERI). Agave's data, metadata, and event services have enabled the project to design a real-time, data-driven decision making environment that includes HPC, Cloud, and physical instrument resources across the country.

- **web**: [https://designsafe-ci.org](https://designsafe-ci.org)
- **tags**: data, events, integration, sso, iot

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**Timeline**

- **The first version of Agave, the Foundation API, was released by the iPlant Collaborative.**
- **Version 2 of Agave released, 6 new APIs added, usage jumps 10x.**
- **Multi-tenancy and API management added, first new tenant launched.**
- **Monthly data movement passes 1 Petabyte a month.**
- **Agave receives $4M SSI award from National Science Foundation.**
- **Docker support added as a first class runtime environment.**
- **Native Jupyter Hub integration released.**
- **First on-premise deployments of Agave go live at Simon Fraser University and AWS.**

**SFTP FTP HTTP GridFTP iRODS**

**HPC**

**CyVerse**

**VDJServer + iReceptor**

**DesignSafe**

**Open Science**

**Agave Platform**

**Tags**: data, workflow, iam, publication

**Web**: [https://agaveapi.co](https://agaveapi.co)

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