



Award #: 1450459

# SS2-SSI: The Agave Platform: An Open Science-As-A-Service Cloud Platform for Reproducible Science

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Award #1450459 :  
Collaborative Research:  
SS2-SSI: The Agave Platform:  
An Open  
Science-As-A-Service Cloud  
Platform for Reproducible  
Science

<https://agaveplatform.org>



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



Manage Data



Run Code



Collaborate  
Meaningfully



Integrate  
Anywhere

Works with the academic and commercial research infrastructure you already use



ZERO INSTALLATION FOR DEVELOPERS AND END USERS

## TOOLS AND TECHNOLOGY FOR DEVELOPERS

Agave ToGo is a full featured reference web application that allows you to leverage the data, computation, and collaborative features of the Agave Platform without writing a single line of code.



Agave ToGo Microsites are small, single-purpose web applications designed to service a small to medium sized group of users. Their stripped down interface draws the user's focus to a single, specific task.

The Agave client SDK make it easy to add data management, code execution, collaborative features, and third-party integrations into your application. Officially supported SDK are available in Python, R, Javascript, Java, an PHP. Community provided and autogenerated libraries are available in several other languages



## GET STARTED AT OUR PLACE OR YOURS



Managed Cloud PaaS

The Agave team operates a hosted instance of the Platform available free of charge for the open science community. Users can leverage the public instance of the Platform for any non-commercial use cases without restriction. For developers and people interested in learning more about what Agave can do for their science, the public platform is an ideal solution.

- or -



Self-hosted PaaS

Deploy and manage your own instance of the Platform either on-premise or in the cloud using our open-source Ansible playbooks. Additional tooling is available to assist in the Day 2 operation of the platform.



Kubernetes

Agave can now run entirely within a Kubernetes environment. Take advantage of integrated monitoring and metrics, persistence, messaging, auto scaling, and secure credential management. A single Helm chart will deploy the platform and provide enable full isolation for multitenant deployments.



Microtenant

For developers and individual projects desiring a self-hosted instance of the platform, a new microtenant deployment is available. Each Agave microtenant delivers full platform functionality with a reduced memory footprint and streamlined installer.

## Available in the Language you Love

With client SDK and reference web applications available in half a dozen languages in addition to a full CLI, chances are Agave is speaking your language.

DEVELOPER TOOLS

API DOCS