



A modern solution for technical high performance computing

With access to over 8,000+ packages, an integrated development environment with datasets, version control, access to CPU and GPU configurations, logs and monitoring, and collaboration tools, JuliaHub's managed infrastructure lets your teams do what they do best while we manage the technology stack.

Why JuliaHub? While JuliaHub can be installed on-prem in your own self-managed infrastructure, the biggest advantage of using it on the SaaS cloud is the managed infrastructure, continuous software updates, disaster recovery, logs, monitoring, security, and easy scalability that are a natural part of having any enterprise-cloud solution. The JuliaHub platform was built and is supported by the team behind the Julia programming language. It provides a robust development and deployment platform for developers, and offers a cloud deployment layer to run large apps at scale in an optimized Julia environment.

JuliaHub Features



A suite of modern modeling and simulation products

- **JuliaSim:** Digital Twins, Acausal modeling, Automatic model discovery, Optimization and Controls
- **Cedar:** Analog Circuit Simulation for Verilog/A and SPICE netlists
- **Pumas:** Pharmaceutical simulation and drug discovery

Best in class development tools

- The VS Code IDE customized for Julia
- Pluto Notebook for reactive computation
- Batch and GPU computing for large scale parallel computing
- Integration with Git for version control
- Support for third-party tools and Windows applications
- Files and Datasets easily accessed all in one place on the cloud
- Easy access to over 9,000+ Julia packages to build your own apps
- Private packages and registries

Sharing & Deployment

- Projects and Workflows that provide team collaboration
- Share reactive notebooks with project team members
- Deploy dashboards and apps for users

Security and Governance

- Snapshots and Time capsule features for reproducibility and records
- License management to govern the mix of open source and proprietary licenses