



Parallel Works ACTIVATE

ACTIVATE for Higher Education & Research

Accelerate Discovery with Transparent, Accessible, and Intuitive Computing

What is Parallel Works' ACTIVATE?

Parallel Works' ACTIVATE platform is a control plane for research computing—a powerful, cloud-agnostic solution that simplifies access to high-performance computing (HPC) resources across on-premise clusters and public clouds. Designed for academic institutions, ACTIVATE enables researchers to launch, manage, and monitor complex workflows without needing deep technical expertise. Whether supporting biomedical research, climate modeling, or machine learning, ACTIVATE helps universities and labs accelerate discovery by making advanced computing more transparent, intuitive, and accessible.

Why ACTIVATE for Academia?

Transparent & Researcher-Friendly Interface

- See exactly how resources are used across projects and teams.
- Clear, intuitive dashboards for job tracking, cost monitoring, and performance analytics.
- No black-box operations—ideal for reproducibility and trust.

Ease of Access to Compute Resources

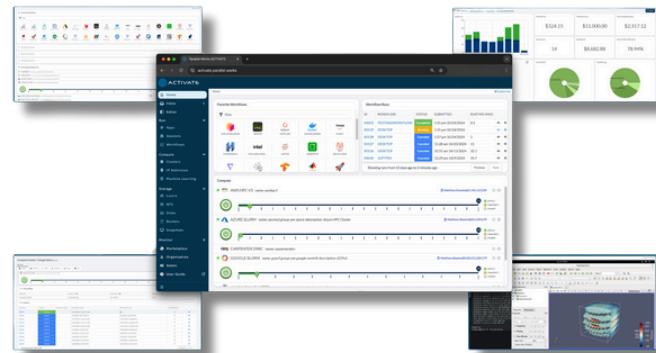
- Self-service portal for requesting compute, storage, and services—no need for ticketing systems or IT intermediaries.
- Integrated authentication with campus identity systems (SSO, LDAP).
- Preconfigured workflows and templates tailored to research needs.

Advanced Computing Without the Complexity

- No HPC expertise required—natural UI, guided workflows, and familiar tools.
- Support for Jupyter, RStudio, VS Code, and other academic-standard interfaces.
- Click-to-launch environments reduce onboarding time for faculty and students.

Key Capabilities

- **Hybrid & Multi-Cloud Ready:** Extend campus clusters with AWS, Azure, or Google Cloud—without vendor lock-in.
- **Data Management Built In:** Persistent storage, collaboration tools, and automatic data lifecycle policies.
- **Collaborative by Design:** Support research teams, lab groups, and inter-institutional projects with shared environments and resource controls.



Use Cases

- Genomic sequencing & bioinformatics
- Computational chemistry & molecular dynamics
- Imaging and microscopy data pipelines
- AI/ML-driven biomedical research
- Educational sandbox environments for teaching HPC, data science, and engineering



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