



# Parallel Works ACTIVATE

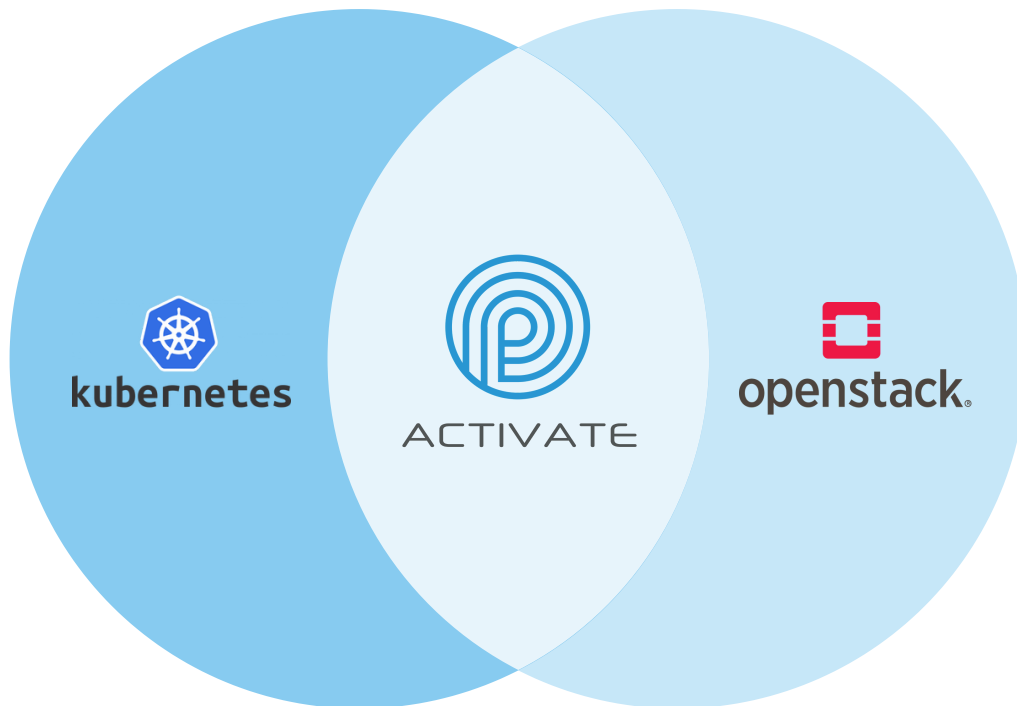
## Manage Open Source Collaboration with a Unified Control Plane

### What is Parallel Works ACTIVATE?

Parallel Works ACTIVATE is a compute control plane that empowers teams to seamlessly provision, manage, and share compute resources at scale across hybrid environments (on-premises and cloud). Designed to simplify infrastructure complexity, ACTIVATE enhances productivity and collaboration through intuitive interfaces and API-driven processes. With advanced cost control, budgeting tools, and support for flexible cluster creation, ACTIVATE helps organizations optimize high-performance computing for research, simulation, and AI workloads.

ACTIVATE interacts with various open-source tools such as Kubernetes (k8s) and OpenStack while also offering similar functionality to open-source HPC platforms.

### ACTIVATE for Open Source Tools



**Container orchestration:**  
Simplified UI/API, GPU orchestration, usage tracking, cost control, and unified access management.



**Unified control plane platform:**  
Combines and extends the capabilities of open source tools; adds budget tools, collaboration, and automation across clouds and on-prem.



**Virtualization / private cloud:**  
Unified hybrid control, access management, policy enforcement.



# Parallel Works ACTIVATE

## Manage Open Source Collaboration with a Unified Control Plane

Below showcases how ACTIVATE compares to or complements each of these open source tools for an organization's computing environment:

OPEN SOURCE TOOL	INTEGRATION ROLE	WHAT PARALLEL WORKS ACTIVATE ADDS
KUBERNETES	NATIVE WORKLOAD ORCHESTRATION, CONTAINER SUPPORT	<ul style="list-style-type: none"><li>• Simplified UI/API, GPU orchestration, cost control</li><li>• Deploys workloads directly into Kubernetes clusters</li><li>• Manages GPU fractionalization and smart workload placement</li><li>• Offers a unified UI, API, and <a href="#">CLI layer</a> over Kubernetes for technical and non-technical users</li><li>• Enables multi-cluster orchestration and full workload portability</li></ul>
OPENSTACK	VIRTUALIZATION AND PRIVATE CLOUD MANAGEMENT	<ul style="list-style-type: none"><li>• Unified hybrid control, user access, and usage tracking</li><li>• One-click deployment of clusters using batch schedulers (Slurm, PBS, LSF), Kubernetes, or direct VMs</li><li>• Support for multi-tenant teams with flexible cluster sharing and collaboration</li><li>• Dynamic provisioning of storage volumes (e.g., NetApp ONTAP) with hybrid bursting to AWS FSx for ONTAP</li><li>• Real-time cost tracking, usage dashboards, and billable resource tagging</li><li>• Seamless integration across OpenStack and cloud environments for workload migration or bursting</li></ul>
OPEN SOURCE HPC TOOLS	WEB PORTAL FOR HPC ACCESS	<ul style="list-style-type: none"><li>• Modern interface, hybrid/cloud capable, application support and maintenance, and automation</li><li>• Unified portal for accessing on-prem, cloud, and hybrid compute</li><li>• Native support for containers, virtual machines, and Kubernetes</li><li>• Cost tracking, GPU sharing, and usage analytics that are unavailable in most open-source HPC tools</li><li>• One-click access to Jupyter, RStudio, remote desktops, VS Code, and more</li><li>• Built-in collaboration, user role management, and multi-site support out of the box</li><li>• Maintain and access ACTIVATE's open-source, <a href="#">public interactive sessions</a></li></ul>



Access Parallel Works ACTIVATE today! Schedule a [live demo](#).



parallelworks.com



info@parallelworks.com



Chicago, IL