Parallel Works ACTIVATE

Compute Control Plane

Control Hybrid Computing Chargeback Costs

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.

Why Chargeback Matters

Parallel Works ACTIVATE is positioned as a control plane for hybrid, multi-cloud, and AI computing, serving as a layer that simplifies orchestration, scaling, and resource management. Chargeback is a natural extension of that mission because it:

- Unifies usage data across cloud and containerized environments
- Supports cost attribution for GPUaaS, VM, and container-based workloads
- Gives organizations visibility into usage across teams, tenants, and projects
- Enables showback (reporting without billing) and chargeback (internal billing) models
- Facilitates budgeting, grant reporting, or departmental cross-charging in academic, research, and enterprise contexts

ACTIVATE's Chargeback, Showback, and Budget Enforcement

Assign usage-based pricing and track internal resource consumption across Kubernetes clusters for accurate budgeting, optimization and accountability. Other benefits include:

- Platform admins assign cost rates to CPU, RAM, and GPUs
- 3-min resolution usage tracking across clusters supports showback / chargeback
- Set and enforce budget thresholds through ACTIVATE's group manager, with freeze state and shutdown support

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The Importance of Chargeback

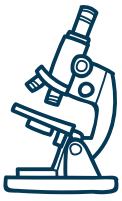
Improves Financial Accountability:
Chargeback helps organizations understand who is using what and at what cost. This enables more accurate budgeting, data-driven cost forecasting, and transparent internal billing between departments or business units.

Promotes Resource Efficiency:
When teams see how much their workloads cost, they're more likely to optimize: turning off idle resources, right-sizing instances, and running only necessary workloads. This helps reduce waste and improve return on infrastructure investments.

Supports Cross-Team Collaboration:
In research, academia, or enterprise environments, multiple groups often share common infrastructure. Chargeback enables fair usage tracking, reimbursement or cost-sharing agreements, and justification for expanding or reallocating infrastructure budgets.

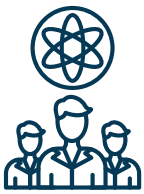
Enables Cost Control in Hybrid and Multi-Cloud Environments:
As organizations expand across cloud providers and on-prem systems, it becomes harder to track total spend. Chargeback and showback centralize cost visibility, normalize usage across different platforms, and prevent overrun by surfacing hidden or unexpected usage patterns. Currently, ACTIVATE's chargeback capabilities focus on cloud environments. On-premise chargeback monitoring will be available soon.

Example Use Cases



University Research Labs: Track GPU usage by lab, faculty, or grants.

Government or Defense Environments: Monitor usage by program or use on separate classified missions via the ACTIVATE High-Security Platform (HSP).



Enterprise Data Science Teams: Allocate costs to business units using AI/ML infrastructure.