



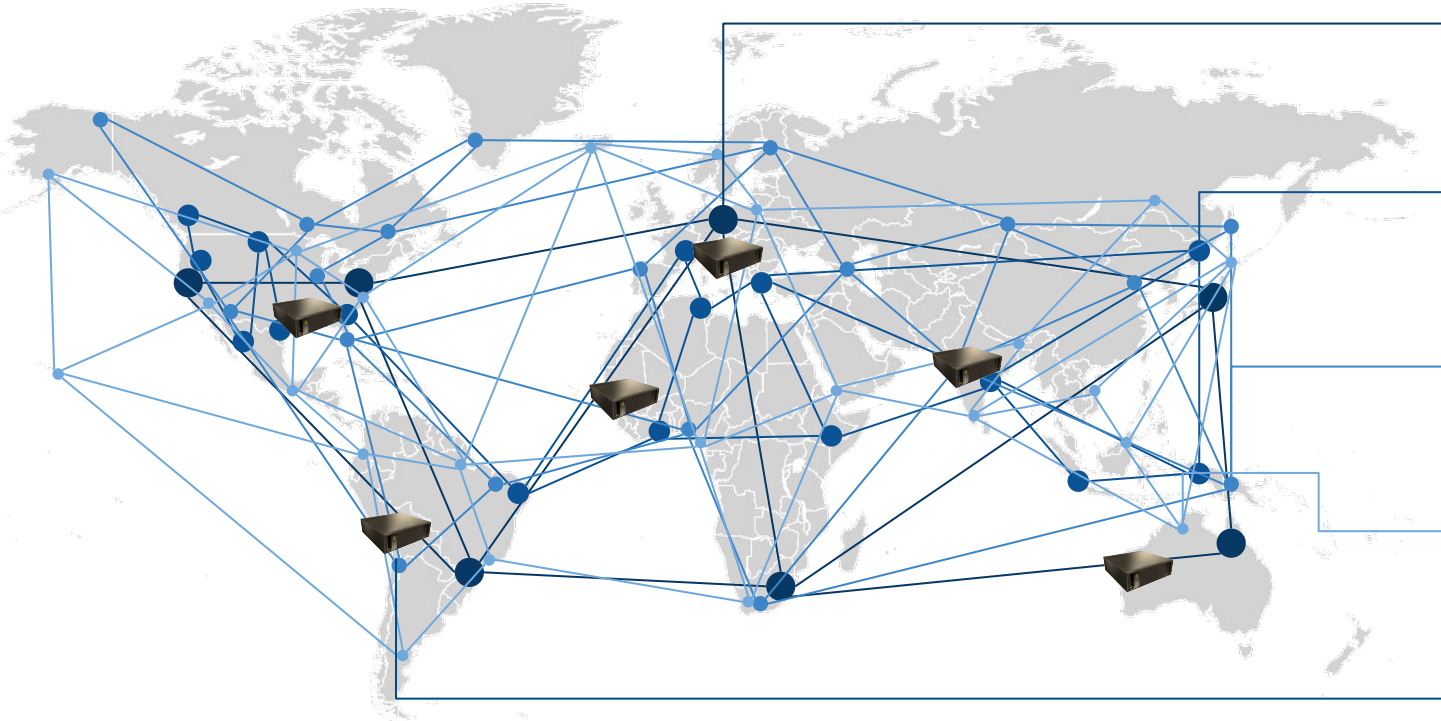
Parallel Works

ACTIVATE a New Era of Computing

Operationalizing Hybrid Multi-Cloud Computing in Large Organizations

April 2025

Diverse Architecture Fuels Growing Complexity



On-Prem Clusters



Private Clouds



Hyperscale Clouds



AI Clouds & Services



Near / Far Edge

ACTIVATE: An End User Bridge for HPC+AI Adoption

On-Prem Clusters



Private Clouds



Hyperscale Clouds



AI Clouds & Services



Near / Far Edge

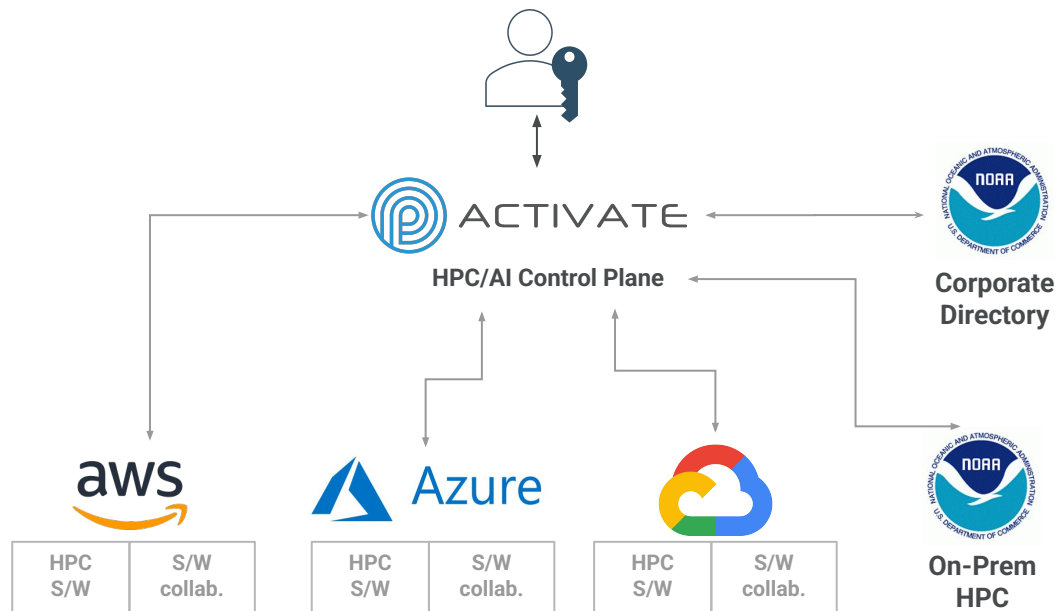
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ID	WORKFLOW	STATUS	SUBMITTED	RUNTIME (MIN)			
00015	SCRIPT_SUBMITTER	Completed	2:49 pm 4/4/2025				
00004	JUPYTERLAB LATEST	Cancelled	2:43 pm 4/6/2025	7.1			
00003	DESKTOP	Error	3:54 pm 3/14/2025	40.9			
00002	DESKTOP	Cancelled	9:44 am 2/18/2025	15.1			
00001	DESKTOP	Cancelled	8:58 am 2/18/2025	1.8			
00009	NEXTSDemo	Cancelled	8:56 am 2/18/2025	1.4			
00012	DESKTOP LATEST	Cancelled	8:51 am 2/18/2025	1.3			
00011	DESKTOP LATEST	Cancelled	8:37 am 2/11/2025	205.5			
00010	DESKTOP LATEST	Cancelled	2:28 pm 1/24/2025	14.9			
00009	DESKTOP LATEST	Cancelled	1:34 pm 1/23/2025	1108.5			
00008	NEXTSDemo	Cancelled	1:32 pm 1/23/2025	1109.5			

Unifying Infrastructure Parallel Works' ACTIVATE control plane consolidates diverse and distant computing, providing guardrails on spiraling variable costs.

NOAA RDHPCS

- Cohesive cloud HPC environment through year over year budget allocations.
- Coincides with hardware/software refresh cycles for on-premises HPC resources.
- Growth from 100 named-user licenses to 500 end user licenses serving a ~1500 R&D user base.



ACTIVATE High Security Platform for HPCMP

Frontend

Admins
& End
Users



Parallel Works IL5 Hybrid Multi-Cloud Environment



Centralized Cluster
Management & Access

User / Group
Management & Tracking

Advanced Metering &
Cost Management

Pre-Integrated
Application Marketplace

Workflow Engine to
Streamline User
Productivity

Storage Connectors to
Drive Data Movement

Backend



**On-Premises
Clusters**



Secure connections over
user Kerberos ssh or SSO
certs via HPCMP OIDC login.



**Secure IL5 High
Cloud Resources**

Uniform elastic
clusters for HPC and
ML workloads.

Parallel Works ACTIVATE is a unified control plane for HPC & AI resources. It enables R&D teams who rely on compute-intensive applications and AI models to easily and consistently provision, manage and share on-premise, cloud and hybrid high-performance compute resources at scale for simulation, analytics and AI.



Parallel Works

Contact Us

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