

THE RESCALE PLATFORM

The first intelligent control plane for hybrid and multi-cloud big compute



Data Sheet

Real Business Outcomes

IT and R&D teams use Rescale HPC automation to:

- » Increased Revenue
- » Reduced Risk
- » Decreased Costs

Accelerating R&D Breakthroughs Across Industries



Aerospace



Automotive



Electronics



Energy



Higher Education



Life Sciences



Manufacturing



Public Sector

Welcome to Software-Defined Big Compute

High Performance Computing (HPC) used to start from hardware selection, followed by software tuning, with a focus on high utilization. Today HPC leaders can start from the software, running each on specialized architecture to meet cost & performance objectives. To accomplish this, organizations need to securely automate hybrid and multi-cloud operations with intelligent policy-based controls.

From Compute-Constrained to Compute-Empowered

Rescale brings intelligent automation to applications, workflows, and infrastructures across hybrid cloud to deliver new levels of performance, control and R&D empowerment.

Performance & Efficiency

Optimize the full HPC stack with HW and SW-aware performance and cost intelligence.

Key Features	Key Benefits
» Full-stack economics management with continuous performance optimization	» Run 20%+ more simulations on the same budget
» Software license queuing & software license management	» Financial flexibility with lower maintenance and staffing burden
» Multiple price/performance service levels	» Faster time-to-answer

Control at Scale

Define enterprise-wide policies to scale and standardize operations and meet business needs.

Key Features	Key Benefits
» Full-stack security with policy-based security management	» Reduced risk of service outage affecting critical R&D efforts
» Comprehensive visibility with policy-based financial and architectural controls	» Ensure critical projects are allocated the appropriate resources
» Service continuity with capacity bursting & fanout across hybrid and multi-cloud	» Reduced risk of data loss & theft





Empowered R&D

Enable collaboration and simplify infrastructure to commercialize new innovations faster.

Key Features	Key Benefits
» Computational workflow automation with simulation data sharing	» Faster time-to-market of new innovations
» User and application-centric experience with automated HW matching	» Higher quality & more competitive products
» Full-stack professional support with application expertise	» R&D resources focused on innovation and higher R&D talent retention

END-TO-END HPC CONTROL AND INTELLIGENCE

Fully control and optimize your scale-out applications on any infrastructure

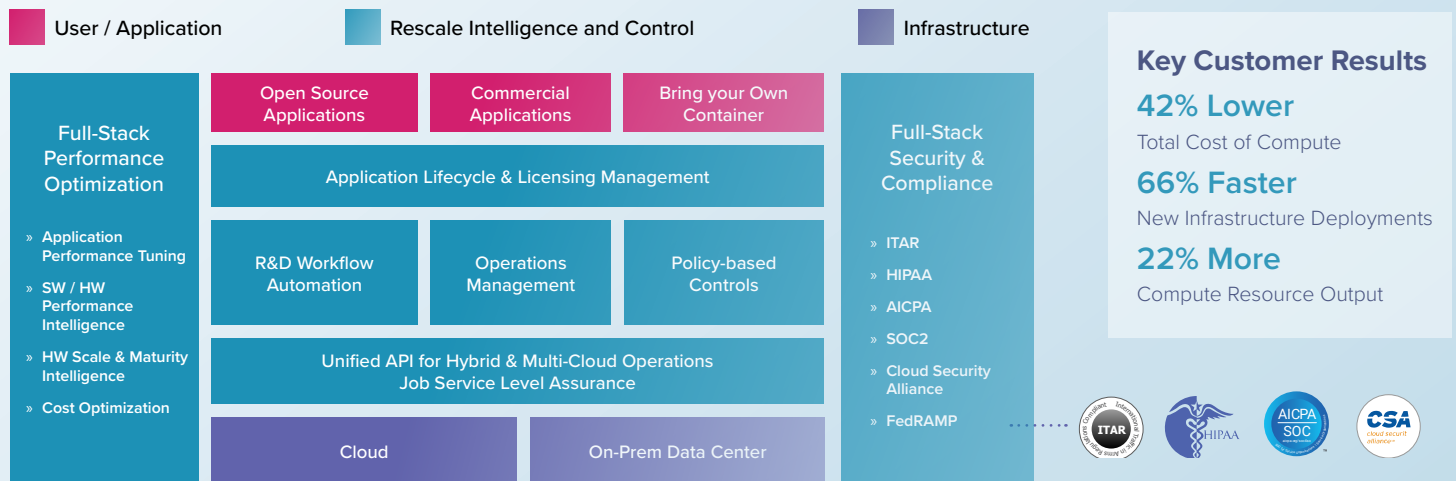
-  Rescale API
-  Rescale Intelligence
-  Operational Workflows
-  R&D Workflows



Rescale optimizes 600+ HPC applications on the latest specialized architectures



Rescale Automates Applications and Hybrid Cloud Infrastructures to Deliver a Modern HPC Experience



“DENSO runs cloud-based high performance computing at scale, and we are always investigating ways to optimize performance and cost savings. Rescale’s data-driven control plane approach helps us complete our simulation jobs faster than ever, while remaining very cost-effective.”

- Nate Moss, Senior CAD Analyst, DENSO



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About Rescale

Rescale helps organizations accelerate science and engineering breakthroughs by eliminating complexity. From supersonic jets to personalized medicine, industry leaders accelerate new product innovations with unprecedented speed and efficiency with the Rescale Platform - a solution for intelligent full-stack automation for big compute and R&D collaboration on hybrid cloud. Rescale enables IT leaders to deliver high performance computing as a service, with software automation on a hybrid cloud control plane with security, architecture, and financial controls. Learn how you can modernize high performance computing at Rescale.com