rescale

RESCALE PLATFORM

High Performance Computing
Built for the Cloud

Data Sheet

Welcome to Modern High Performance Computing

Rescale brings intelligent automation to engineering applications, workflows, and infrastructures across hybrid cloud to deliver new levels of performance, control and R&D empowerment. Now, HPC practitioners and business leaders can enable and focus on their specific applications and use cases while Rescale automates bringing the resources to you to meet deadlines and cost-performance objectives.

Accelerate Time to Market with HPC-as-a-Service

Strategic capabilities

- Full-stack economics management with continuous performance optimization
- Software license queuing & software license management
- Flexible cost-performance service levels

Business outcomes

- Run more simulations on the same budget
- Financial flexibility with lower maintenance and staffing burden
- Faster time-to-answer, Eliminated queue time

Gain Visibility and Control with IT Business Management

Strategic capabilities

- Full-stack security with policy-based security management
- Comprehensive visibility with policy-based financial and architectural controls
- Service continuity with capacity bursting & fanout across hybrid and multi-cloud architectures

Business outcomes

- Reduced risk of service outage affecting critical R&D efforts
- Ensure critical projects are allocated the appropriate resources
- Reduced risk of data loss & intellectual property theft

Streamline Innovation with Digital Engineering Operations

Strategic capabilities

- Computational workflow automation with simulation data sharing
- User and application-centric experience with automated HW matching
- Full-stack professional support with application expertise

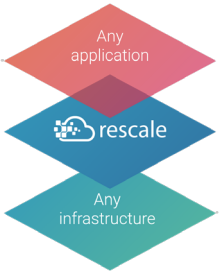
Business outcomes

- Faster time-to-market of new innovations
- Higher quality & more competitive products
- R&D resources focused on innovation and higher R&D talent retention

Rescale gives you turnkey access to the latest technologies, on-demand...

Latest HPC applications and versions
800+ Pre-installed, tuned, and ready to deploy

SIEMENS · DASSAULT SYSTEMES · HEXAGON · Ansys · TensorFlow · MathWorks



World's largest selection of specialized hardware
Thousands of HPC architecture configurations

Azure + AzureGovernment · aws + GovCloud · Google Cloud · ORACLE CLOUD · AMD · NVIDIA · intel

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Rescale powers engineering breakthroughs across industries

Aerospace | Automotive | Electronics | Energy | Higher Ed. | Life Sciences | Manufacturing | Public Sector

Supporting organizations in their digital transformation journey

Automate
Simplify and accelerate HPC operations

- Management
- Applications (ISV, custom, open source)
- Infrastructure (Cloud, on-prem, hybrid)

Optimize
Maximize ROI and minimize risk

- Performance
- Cost
- Security & compliance

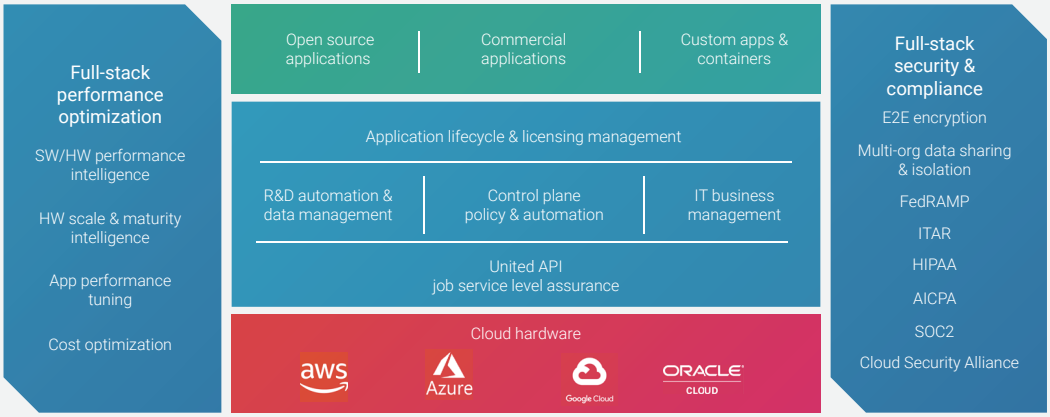
Empower
Unlock new engineering capabilities

- Workflows
- Collaboration
- Data insights

Unify the islands of analysis to accelerate breakthroughs

- Simulation
- Modeling
- Digital twins
- Design exploration
- AI/ML training
- Rendering

Turnkey HPC Built for the cloud eliminates complexity and delivers a modernized HPC experience



HPC Built for the Cloud is:

- **User Centric** - Ease of use and productivity enhancing
- **Unlimited** - Flexible for any application at any scale
- **Connected** - Seamless collaboration & unified data
- **Intelligent** - Continuously optimized cost-efficiency
- **Automated** - Streamlined workflows and governance

"Having access to HPC on-demand through Rescale was a game changer. On our latest jobs we see a 5-10x increase in speed of computing. Now we can take on more and larger client projects and don't have to make compromises to meet our clients' needs."

— Zach Owens, Sr. Managing Engineer

Exponent®

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About Rescale

Rescale is high performance computing built for the cloud to empower engineers while giving IT security and control. From supersonic jets to personalized medicine, industry leaders are bringing new product innovations to market with unprecedented speed and efficiency with Rescale, a cloud platform delivering intelligent full-stack automation and performance optimization. IT leaders use Rescale to deliver HPC-as-a-Service with a secure control plane to deliver any application, on any architecture, at any scale on their cloud of choice.

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