

Leading HPC Security and Compliance Built for the Cloud

Intelligent solutions to mitigate risk and meet rigorous industry standards

Data sheet

Streamline Your Cloud HPC Security

With Rescale, customers benefit from enterprise-grade technologies:

- » Single Pane of Glass Governance and Control
- » Global Security Posture Dashboard
- » Specific User, Team and Project Access Management
- » Leading Compliance Standards Enabled
- » End-to-End encryption and data and network security

Trusted by Leading Innovators at:



Exponent®

LIBERTY
UNIVERSITY

BOOM

bionano
GENOMICS

Built to Surpass Industry Leading Security & Compliance Standards

Rescale meets or exceeds industry standards, is independently audited, and conforms to assurance programs and controls. Current standards met include SOC 2, ITAR, HIPAA, CSA Registered, TISAX Level 1, GDPR, CCPA, and FedRAMP. Rescale follows the NIST 800-53 framework.

Our data center partners are further certified or support the following standards: PCI DSS Level 1, SOC 1/ ISAE 3402, FedRAMP Authorized Moderate Impact, SOC 2, SOC 3, ISO 9001, FIPS 140, CSA, FERPA, HIPAA/HITECH, HITRUST, DoD Impact Levels 2, 4-6, DIACAP and FISMA, ISO 27001, ITAR, EU Privacy Shield, GDPR, Cyber Essentials Plus (UK) and/or more depending on specific data centers.



Any software, any hardware, secured across the entire stack

Run commercial, open-source, or custom applications...

800+
Pre-installed Software

SIEMENS

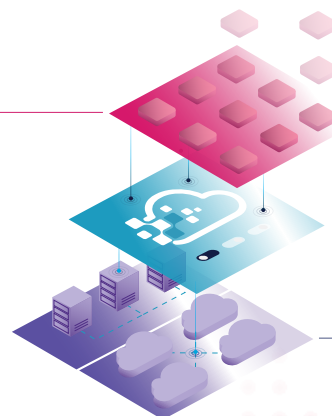
Ansys

DASSAULT
SYSTEMES

HEXAGON

ALTAIR

MathWorks



...Optimized on the latest hardware options

Leading
Cloud Infrastructure

Azure
AzureGovernment

aws
GovCloud

ORACLE
CLOUD

Google Cloud

Specialized Architectures
for HPC, AI, and more

AMD

intel

NVIDIA

Rescale's IT business management tools enable single pane of glass visibility and control

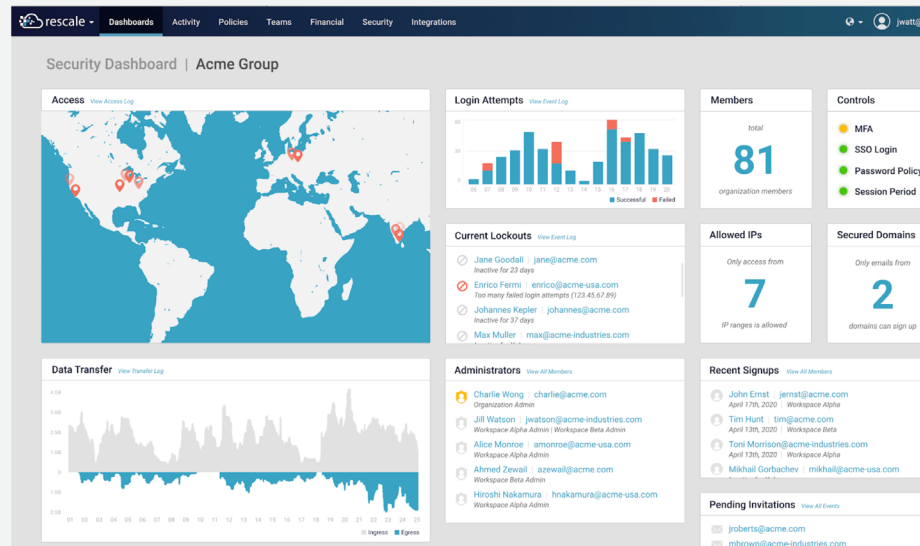
Security and Access Controls At-a-glance views of your organization's HPC security posture

Key Capabilities:

- Security dashboard for quick insight into access & security posture
- Enterprise-grade signup and login policy configuration
- Comprehensive audit logging for events and data transfer

Benefits:

- Ensure security in your organization's multi-cloud operations
- Apply controls consistent with your organization's security requirements and standards



Rescale security pillars provide coverage where it matters



Data security

Data security governs security of jobs running on Rescale as well as data contained within jobs, stored on the platform, and in transit to/from storage. All data is encrypted in transit and at rest. Encryption keys are isolated to the data owner and stored independently of encrypted data. Only users can access their data unless they explicitly share with colleagues or Rescale Support. Simulations always run in private, closed clusters with kernel-encrypted hard drives. ScaleX Enterprise adds multi-factor authentication for additional security. To comply with legal, privacy, and export compliance requirements, data is bound to the region in which the platform resides—the United States, Europe, Japan, or South Korea. Rescale is ITAR compliant and registered with the U.S. DDTC.



Network security

Rescale data centers require biometric entry authentication, ensuring an environment more secure than typical on-premise data centers. To ensure ongoing confidence in network security, penetration testing is regularly carried out. Extensive firewalls control access and define connection policies for all network access points and management systems. Systems are continually monitored to ensure server security and optimal performance. Rescale manually reviews server and application log data on a periodic basis, and annual audits are carried out by third-party firms. Automatic configuration, continuous integration testing, and deployment tools are used to keep all operating systems on servers and customer clusters up-to-date with the latest patches.



User security

The Rescale platform implements a multi-layered set of controls and policies that ensure users are secure. These include custom firewalls for internal systems and user clusters, ensuring that secure connections are used throughout, and enabling protection against brute force and denial-of-service attacks. Rescale also offers company administrators the ability to restrict where their users can access Rescale by defining authorized IP address ranges for incoming connections. Company administrators can also enable multi-factor authentication and single-sign-on, which allows the Rescale platform to connect to the company's Active Directory authentication system, resulting in instant access to the Rescale platform.



Software security

All software development at Rescale undergoes design, review, testing, monitoring, and ongoing maintenance. Each step of the process is also thoroughly documented for review. Development, testing, and production environments are strictly segregated. Testing is conducted at each phase prior to publishing.



Read our full security and compliance handbook



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About Rescale

Rescale™ is the global leader for enterprise big compute. Trusted by the Global Fortune 500, Rescale empowers the world's top executives, IT leaders, engineers and scientists to securely manage product innovation and perform groundbreaking research and development faster at a lower cost. Rescale's ScaleX platform solutions transform traditional fixed IT resources into flexible hybrid, private, and public cloud resources—built on the largest and most powerful high-performance computing infrastructure network in the world. Rescale offers hundreds of turnkey software applications on the platform which are instantly cloud-enabled for the enterprise.