Accelerating Life Science Breakthroughs

Life Science leaders applying high performance computing (HPC) to their R&D pipelines, are exploiting the advantages of new cloud infrastructures for their simulations. The urgency and complexity of navigating discovery, production, and approval processes has pushed fixed HPC infrastructure to its limits. Now leading companies are looking for new ways to enhance their simulation capabilities by leveraging dynamic cloud resources to boost agility, collaboration, and most importantly the safety and efficacy of new treatments.

Challenges in Life Science R&D today

12 Years — Average time to new drug discovery and development

$4 Million — Average company spend on HPC infrastructure per year

42,000 Hrs — Average queue time per year

A Managed-Platform Tuned for Your Specific Applications

Researchers & Scientists depend on an increasingly diverse set of hardware and software infrastructure to run critical simulations in genomics, drug discovery, product formulation, process development, clinical trials, and personalized treatment. Rescale offers the optimal combination of highly secured infrastructure (HW & SW) on-demand and backs it up with end-to-end support, reducing lifetime HPC costs.

Leading IaaS
aws, Azure, ORACLE CLOUD, Google Cloud

Diverse Application Ecosystem
GROMACS FAST. FLEXIBLE. FREE., STAR-CCM+, COMSOL, ANSYS, SCHRÖDINGER.
LAMMPS, MixIT The Enterprise Mixing Analysis Tool, EDEM, VMD, Expanding the limits of computational chemistry
MATLAB, ROCKY, Wolfram Mathematica, DS SIMULIA Abaqus, *300+ more applications*

Customers Making Strides with HPC in the Cloud

abbvie

Accelerate Pharmaceutical development

Team' utilizes Rescale for compute scalability during peak times in order to accelerate pharmaceutical development and augment experimentations targeting significant cost savings.

AMGEN

Speed at a level not possible on-premise

Rescale provides a multi-cloud platform for Amgen's in silico modeling transformation efforts which enable their drug development and medical device programs to accelerate to levels not possible on-premise.

bionano GENOMICS

Enable researchers to scale to cloud

Partnering with Rescale, Bionano provides an on-demand" solution to their customers utilizing their Saphyr systems. This enables customers all over the world to scale to the cloud and get their genomic data back faster than ever before.

Evaluate the Potential of Cloud-Enabled HPC for your Business

We are your partner in scaling your HPC capabilities to unlock new potential for your scientists, researchers, and engineers. Learn more at **www.rescale.com/solutions/life-sciences**. Contact us at 1 (855) 737-2253 and LIfe Science organizations can take advantage of $500 in free HPC credits to get started today.