Parallel Works: A Turnkey Cloud Platform for Advanced Simulation
Partner to broaden your solution offerings and increase value for your customers

Are your users demanding access to increased scale and a faster time to solution? Is their use of your software constrained by their access to scalable hardware?

Customers' PCs often do not deliver sufficient computing power and HPC machines are complicated and cumbersome to manage. While the cloud presents an exciting opportunity, it also comes with its share of new challenges. Building on years of advanced computer science research from Argonne National Laboratory and the University of Chicago, Parallel Works offers a turnkey and flexible solution for these common barriers to computing at scale.

The Parallel Works HPC Platform. Parallel Works is a cloud-based HPC platform for large-scale multi-physics workflow. Think of it as a centralized hub for technical computing in the cloud. It integrates seamlessly with existing software packages to enable customers to scale up modeling & simulation studies by delivering 10-10,000x the computing power of a PC. Workflow studies are *automatically* scaled across cloud resources for seamless execution in parallel, dramatically reducing the time to solution. The advanced workflow environment incorporates design exploration frameworks like optimization, design of experiment, and sensitivity analyses, empowering customers to take their studies to the next level and deliver meaningful new insights from your software.

Benefits to your customers.

Easy and Accessible. Never has the scale of the cloud been so easy to use. With a few clicks, users can scale studies across hundreds of compute cores, making adoption and integration into daily operations easy and accessible.

Flexible Compute Resources. From cloud to HPC hardware, the Parallel Works runtime environment automatically delivers the requested computing on-demand, and seamlessly orchestrates the parallel execution of a customer's workflow.

Fully Managed. Parallel Works is a managed cloud solution so users don't have to worry about managing hardware. They can leave that all to us.

Meaningful Insights. The Parallel Works advanced Workflow Tools provide complete solutions for the most complex engineering challenges – quickly going from inputs to insights.

Value to your company.

Enrich Product Offerings. Expand usage and revenue with innovative new product offerings. Parallel Works gives users powerful capabilities to uncover new insights, increasing usage and driving incremental revenue.

Embedded & Integrated. Embed your tools into their operations. Our HPC Hub centralizes disparate teams, resources, software, and workflow tools to standardize and integrate engineering processes.

Automated. The Parallel Works Workflow Tools help users get from inputs to insights. By making sophisticated analyses turnkey, it drives usage by increasing access and usability.

Built-in Administration. Take advantage of existing administration capabilities to manage user accounts, monitoring, and reporting.

Contact us to learn more about how to apply this powerful technology to your customers' most complex scaling challenges.

Parallel Works

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