SIMULIA CLOUD

SIMULIA Cloud

SECURE, WEB-BASED ACCESS TO SIMULATION

As the world's top OEMs can attest, simulation products are not created equal. Accurate, reliable, real-world results require a validated, proven simulation software package with years of research and development invested. These premier simulations demand significant computational hardware resources that are difficult and expensive to maintain.

Simulation has become an absolute necessity to remain competitive in product design and engineering. To best optimize designs and contain development costs, engineers worldwide seek access to premium simulation software which, until now, may have been too costly to deploy internally.

THE SIMULIA CLOUD SOLUTION

SIMULIA Cloud™ provides secure, web-based access to SIMULIA Fluids applications. SIMULIA PowerFLOW® is a multi-user system that enables engineers to easily and intuitively manage simulation projects, to collaborate seamlessly with colleagues, and use powerful simulation or results analysis tools with just a web browser

Customers pay only for simulation use. SIMULIA Cloud provides access to virtual, secure, high-performance computing capacity.

Summary of Capabilities:

- Access the complete, most up to date, SIMULIA PowerFLOW simulation suite anywhere and anytime with no installation required (including full versions of SIMULIA's client software)

- Access virtual, secure, high-performance computing capacity

- Project, run, & data management capabilities

- Team collaboration tools
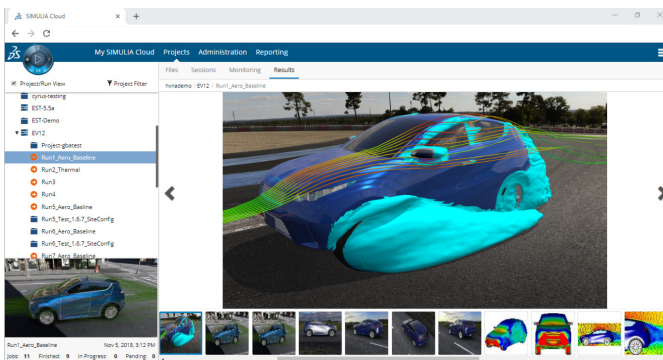
- Powerful simulation results analysis tools

KEY CAPABILITIES IN DETAIL

Access the Complete, Most Up-to-Date, SIMULIA PowerFLOW Suite Anywhere & Anytime

- Secure, 100% web-based, multi-user environment on a pay per simulation hour-basis

- Connect from any system with a just a web browser

- Full, web-based use of all the SIMULIA PowerFLOW suite interactive products included at no additional cost….only pay for the simulation capacity you use

- SIMULIA ensures that the latest versions are immediately available; customer can choose which version of software to run

Access Virtually Unlimited, Secure, High-Performance Computing Capacity

- High performance compute nodes and interconnect

- High performance graphics nodes

- High performance disk storage

- Expandable to meet your needs

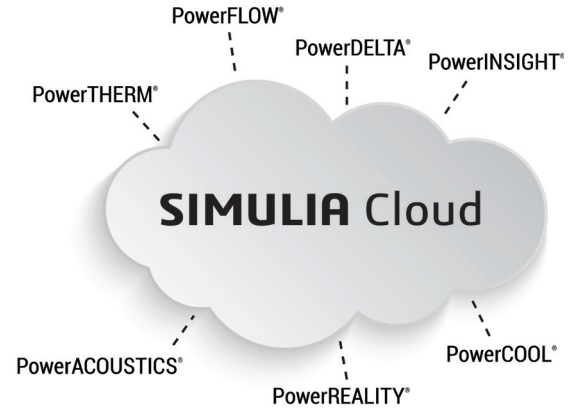- Standard queue size is 300+ cores to speed turnaround time

SIMULIA Cloud GUI

Project, Run, & Data Management

- Project manager

- Setup and manage projects consisting of hierarchy of runs

- Project templates to ensure consistency and avoid errors

- Real-time project status

- Automate simulation submission and results analysis

Run Manager

- Automation of standard simulation work flows

- Auto stop to minimize run times and costs

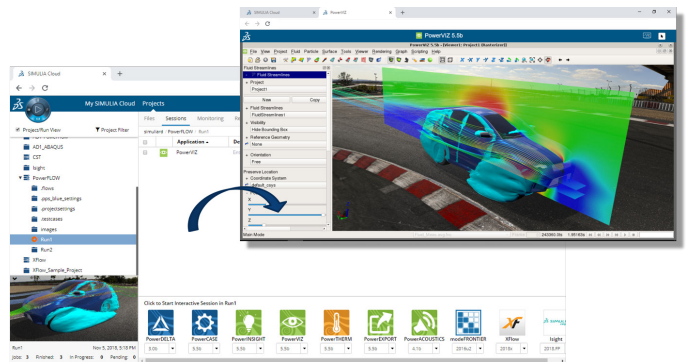- Real-time job monitoring with a variety of job monitors

Access to the entire PowerFLOW suite of simulation products via a web browser with SIMULIA Cloud
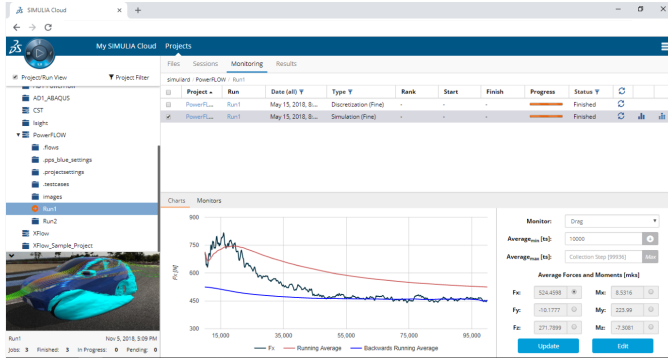
Data Manager

- Central project repository standardizes simulation data storage

- Easily upload and download files (drag and drop)

- Team collaboration tools

- Share interactive product sessions

- Review models before running simulations

- Status available to all project members in real-time

- Shared file repository

Powerful Simulation Results Analysis Tools

- Automated results post-processing with PowerINSIGHT and aeroacoustic templates

- Rapid results browsing with built-in Movie player, image viewer,

- Rapid, multi-run, results browsing and comparison with PowerINSIGHT

- Deep interactive 3D analysis with PowerVIZ

- Acoustic analysis with PowerACOUSTICS

Choose your simulation application from setup to visualization with SIMULIA Cloud

Security

Paramount to all engineering customers, SIMULIA Cloud is hosted at a secure datacenter featuring:

- Strict access and authentication controls
- Strong encryption
- Highly resilient and secure data centers
- Regular application security testing

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

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