





## **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



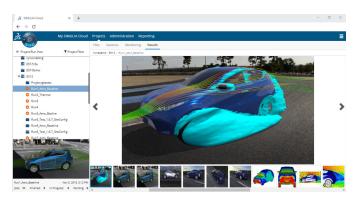
#### **KEY CAPABILITIES IN DETAIL**

## 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



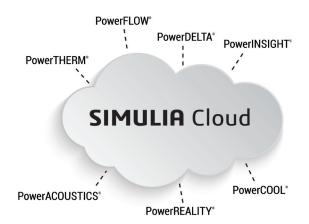
SIMULIA Cloud GUI

#### 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 **3D**EXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE®** Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.



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