Altair One Cloud Platform Delivers Most Advanced Environment for Collaborative, Data-driven Design and Development

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Unified environment eliminates boundaries for engineers, designers, data specialists, and IT professionals

TROY, Mich., May 10, 2021 /PRNewswire/ -- Altair (Nasdaq: ALTR), a global technology company providing solutions in simulation, high-performance computing (HPC), and artificial intelligence (AI) announced general availability for a host of new features and functionality in Altair One, a fully integrated platform that brings together the company's entire product suite and HPC capabilities to facilitate seamless collaboration and faster time-to-market. Eliminating the boundaries between computer-aided engineering (CAE) and data analytics, Altair One delivers access to a unified development environment and offers multi-disciplinary teams the on-demand HPC critical to complete complex projects quickly and efficiently.

"Altair One provides a modern, single pane of glass approach to leverage HPC and cloud resources for running computational science applications anywhere and everywhere at scale, which is key to optimizing outcomes and achieving faster time-to-value," said James R. Scapa, founder and chief executive officer, Altair. "With the launch of Altair One, we are empowering our customers with all the software and tools to seamlessly manage hybrid on-premises and cloud HPC resources to process workloads in the most cost-efficient and fastest way possible."

The instant availability of Altair's HPC resources means that designers, engineers, and data scientists can run their complex projects without any need for the support of in-house HPC infrastructures. Altair One offers the ability to provision turnkey, scalable appliance clusters across all major cloud providers including Amazon AWS, Microsoft Azure, Oracle Cloud Infrastructure, and Google Cloud Platform in just a few mouse clicks.

The launch of Altair One establishes a robust roadmap of progressive development in features and functionality. By providing organizations the flexibility to seamlessly migrate workloads between cloud providers and on-premises environments, Altair One empowers teams to pivot quickly and embrace new technology while avoiding vendor lock-in.

Anytime, anywhere access to world-class tools and HPC

Altair One is a single portal for Altair's products, accessible anywhere via standard workstations, PCs, laptops, and mobile devices. Users also have access to exclusive Altair One tools including:

- Altair DesignAI™ - Combines physics-based simulation-driven design and machine learning-based AI-driven design to create high-potential designs earlier in development cycles
- Altair Material Data Center™ - A multi-domain material properties repository to help create sustainable, efficient, minimum-weight designs

"Altair is a leader in simulation, HPC solutions and workload management. Altair One is a key differentiator because of its ability to provide seamless access to the cloud and delivers unmatched value for Altair's customers," said Nidhi Chappell, GM Workload Optimized Compute, Microsoft.

"The integration of Altair One with Oracle's next-generation cloud infrastructure provides customers the ability to leverage fast and scalable computing in a highly secure environment – including bare-metal HPC servers and GPUs – for complex simulations," said Clay Magouyrk, executive vice president, Oracle Cloud Infrastructure. "Together, Oracle Cloud Infrastructure and Altair One put the power of HPC at the fingertips of customers everywhere – without having to purchase expensive hardware, leading to improved productivity and optimized resource utilization."

Data-driven development with AI- and ML-enabled analytics

Altair One facilitates a truly data-driven approach to product development. Designers, IT specialists, and the C-suite can build deeper insight and reach better decisions faster with Altair's AI and machine learning (ML) enabled data analytics and data management tools. Diverse teams can work on the same models, with ubiquitous access ensuring effortless knowledge sharing and data transfer. The full value of both current and historic simulation and analysis is therefore realized.

Flexible, scalable HPC support

Altair One provides simple HPC access portals for end-users and intuitive management portals for IT administrators. Powered by Altair PBS Works™, Altair One leverages the same workload management technology used by many of the world's Top 500 HPC systems and foremost supercomputing centers. Altair One does not require additional capital expenditures on complex IT and can scale immediately in response to peaks in workload.

Flexibility is further enhanced by Altair Units, Altair's patented, subscription-based licensing model that allows organizations to pay only for what their employees need, when they need it.

Additional notable features in Altair One include the ability to:

- Launch applications in the cloud instantly with zero download
- Run complex HPC solver jobs in the cloud within a simple, intuitive user experience
- Provision turnkey, scalable appliance clusters in just a few mouse clicks
- Securely upload, access, store, and manage data using the Altair One drive

For more information about Altair One, visit https://www.altair.com/altair-one/ or register to attend the Altair HPC Summit May 11-12, 2021.

About Altair (Nasdaq: ALTR)
Altair is a global technology company that provides software and cloud solutions in the areas of simulation, high-performance computing (HPC), and artificial intelligence (AI). Altair enables organizations across broad industry segments to compete more effectively in a connected world while creating a more sustainable future. To learn more, please visit www.altair.com.
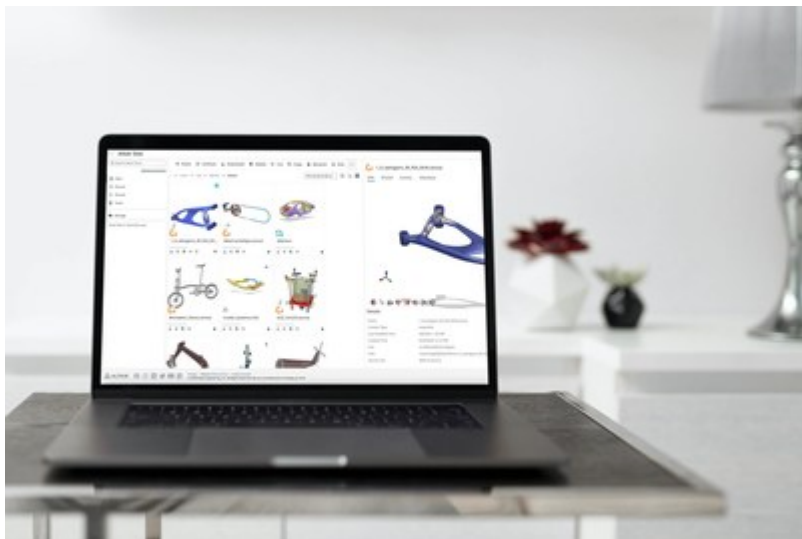
Media Contacts
Corporate/Americas/Asia Pacific
Jennifer Ristic
+1.216.849.3109
Jristic@altair.com

Altair Europe/The Middle East/Africa
Evelyn Gebhardt
+49 6421 9684351
gebhardt@altair.com

Investor Relations
The Blueshirt Group
Monica Gould +1 212.871.3927
Lindsay Savarese +1 212.331.8417
ir@altair.com

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