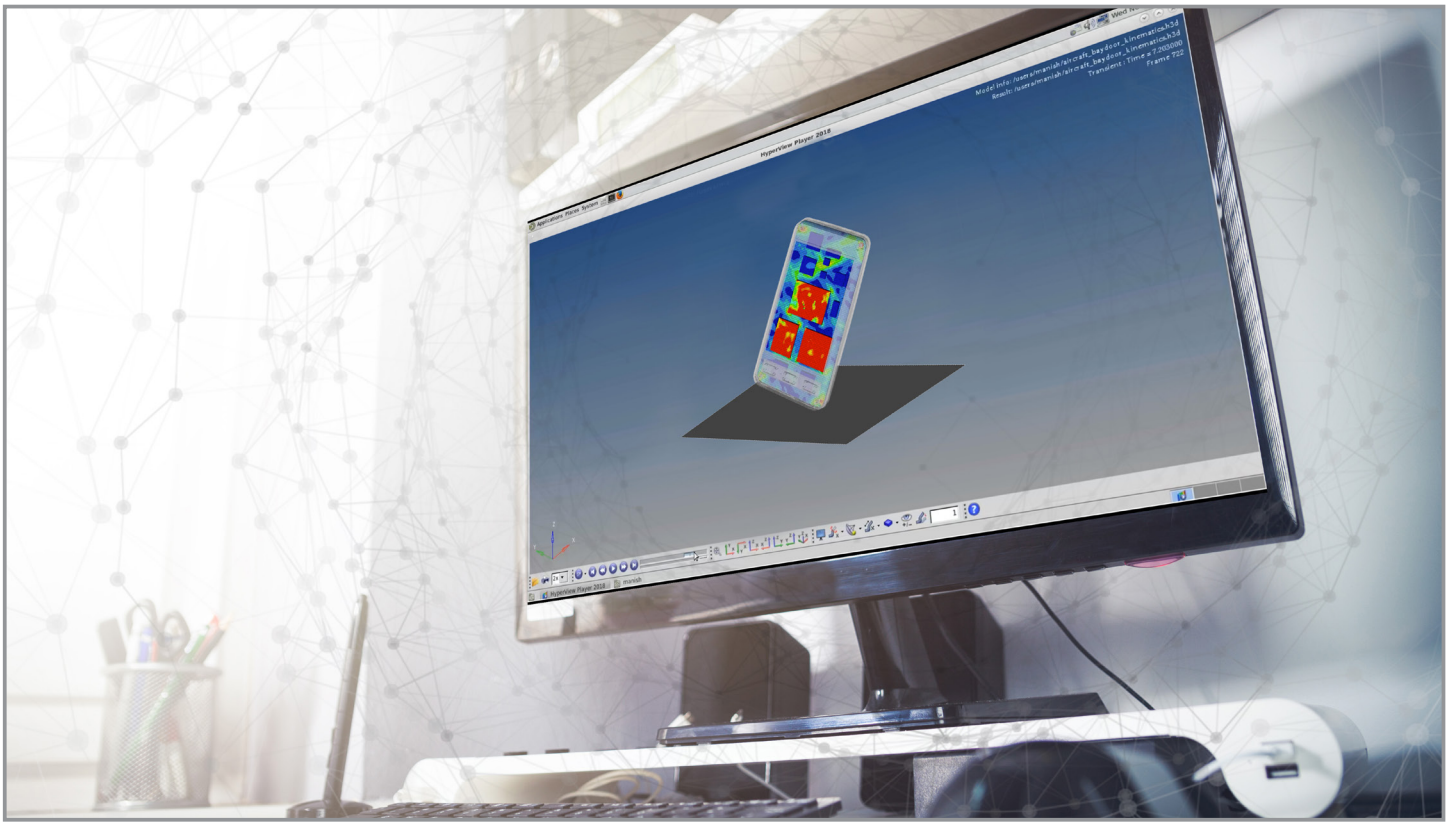
Altair Access™

A Portal for Engineers and Researchers

Altair | PBS Works



Access provides a simple, powerful, and consistent interface for submitting and monitoring jobs on remote clusters, clouds, or other resources. Engineers and researchers can now focus on core activities and spend less time learning how to run applications or moving data around. Access remote visualization and collaboration capabilities bring access to expensive, high-end 3D visualization datacenter hardware right to the user.

Highlights:

- **New User Experience (UX):** Seamless integration with Windows File explorer
- **Flexibility:** Desktop app and web portal
- **Visualization:** Collaborative 3D remote visualization
- **Manageability:** Easily add, modify, and remove applications
- **Secure:** Protected access to HPC resources
- **Novice to expert:** No IT skills required

Learn more:
www.pbsworks.com

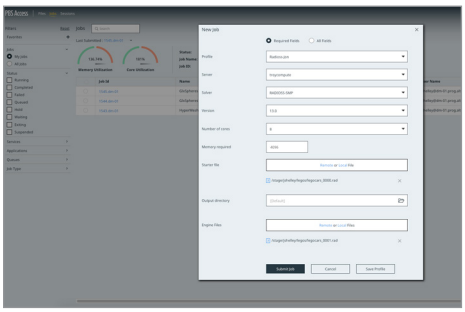
Access Benefits:

- **Fast onboarding for HPC:** Desktop UX lets engineers run jobs on HPC without learning (or touching) Linux/shell
- **Save time:** Simplify job submission and management thanks to a powerful GUI with smart, simplified interfaces
- **Be more productive:** Spend more time focused on work and not IT tasks. For example, monitor jobs graphically without having to download huge job files
- **Increase ROI:** Consolidate access to applications and optimize license availability
- **Reduce errors and improve consistency:** Embed your company's best-practice "know how" directly into Application Definitions used for job submission

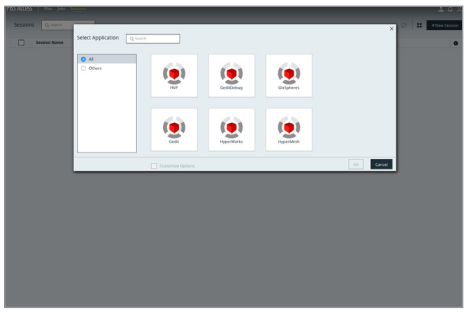
Why Access:

For engineers, scientists, and researchers, Access portals provide natural access to HPC (no IT expertise needed) to run solvers, view progress, manage data, and use 3D remote visualization via web and desktop.

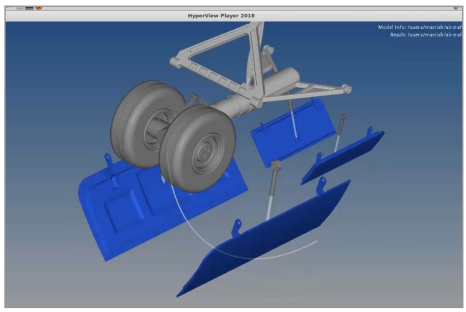
- Integration with PBS Professional allows optimized provisioning of applications on graphical and computing resources for maximum utilization
- Simple, easy to use and application-specific interface that requires no learning, simplifying management and allowing engineers to focus on their work rather than IT issues
- Resource monitoring and accounting: Integrated with PBS Professional and PBS Analytics (powered by Carriots Analytics)
- Collaborate easily from multiple locations by viewing & editing application data



Simplify job submission and management from a powerful GUI with smart, simplified interfaces



Applications can easily be added and removed



Access 3D remote visualization via web and desktop

without having to download

- Visualize big data files remotely without file downloads
- Be more efficient with easy and accessible data collaboration tools
- Optimize resource utilization by consolidating hardware and software centrally
- Allow engineers to take corrective action without downloading huge results files for running jobs
- Reduce IT overhead for engineers – let them focus on their work and not on data movement issues

Access Capabilities:

Submitting and Monitoring Jobs:

- Applications can be easily added and removed
- Watch progress of running jobs, both graphically and via tail –f
- Easily filter and group jobs to get clarity on HPC workloads
- Easily submit jobs using Access web GUI, offering simple drag-and-drop interfaces with pre-populated defaults
- Easily define and configure applications for job submission via PBS Application Services (PAS)
- Minimize the effort needed to write, modify, and test complex application scripts
- Save commonly-used applications and inputs as profiles

3D Remote Visualization Sessions:

- Zero data movement: Only pixels are transferred – prohibitive times associated with data transfer are eliminated
- Rapid collaboration: Instantly collaborate on large volumes of data in the comfort of a familiar interactive application, anywhere and anytime; cooperate with remote colleagues by sharing session views and controls across WAN links
- Rich experience: Adaptive data compression algorithms based on network bandwidth and latency provides a rich experience, even on challenging networks
- Open architecture: You can use third-party applications without the need for additional software development
- Resiliency: Continuity of remote application sessions across network connectivity disruptions
- Flexibility: Access to the same remote session from multiple locations using different client machines: Office access, customer location access, home access, etc.

Managing Remote Files and Data:

- Manage remote files and data directly from the secure web portal
- Get real-time access to the cluster remote file system
- Easily browse & modify remote files
- Use standard, familiar file operation tools
- Automate staging of input and output files
- Explore huge datasets directly on the server side