PBS Works
The #1 Software for HPC Workload Management

IDC HPC User Forum
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Victor H. Wright
About us

We help businesses succeed through the development and application of simulation technology to accelerate innovation.
All Across the Globe

45+ offices in 22 countries on 6 continents with over 2,000 engineers, scientists, developers, designers and creative thinkers
Altair is the Only Company That…

…makes HPC middleware:

Altair | PBS Works®

…develops HPC applications:

Altair | HyperWorks®

…and uses these to do HPC every day:

Altair | ProductDesign
HPC works better with Altair

Powerful, reliable products. Unbeatable service and support.
The Core of Our Business

HyperWorks®
Engineering simulation and performance optimization technology

solidThinking®
Design, cloud BI, manufacturing, systems development Technology

PBS Works™
HPC job scheduling, management, monitoring and reporting technology

Cloud Solutions
Physical and virtual CAE appliances, public/private management, user portal tools

Partner Alliance
Partner applications enabled through Altair’s software licensing model

#1 Platform Provider for High-end Simulation and Optimization; Fastest Growing Overall
Not Just Another Software Developer

Product Design
Product engineering and development consulting

Thinklabs
Human-centered industrial design and product strategy consulting

Technical Staffing
Design, engineering, software development, HPC and IT workforce talent

Enterprise Solutions
Tailored industry applications, custom automation solutions and packaged solution offerings

Centers of Excellence
Focused ‘skill centers of excellence’ where a combination of client and Altair domain experts collaborate

Largest Simulation-focused Consultancy in the World

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We Build Software for Your:

**End Users**
- Easy
- Visualization & Management Portals
  - Compute Manager
  - Display Manager

**Systems**
- Fast | Reliable | Streamlined
- Workload Management & Job Scheduling
  - PBS Professional

**Managers**
- Transparent | Agile
- Analytics & Reporting
  - PBS Analytics
  - Software Asset Optimization
PBS Professional is Open Source

Altair has made a BIG investment and has opened the full core of PBS Pro - not just a weak subset or older version

- Marry community innovations & enterprise expertise
- Accelerate innovations and adoption for both
  - Stop re-re-re-inventing the wheel!
- Dual licensing: commercial & OSI open source
  - No change for commercial users
  - Share a common core
- Aggressively open and community oriented
  - OpenHPC founding member
  - Using community-accepted practices for a viable, sustainable community

pbspro.org
Altair & UNLV

Altair and UNLV have partnered together to provide a ubiquitous cloud solution.

• More than just a cloud for simulation cycles – it’s a colocation cloud environment to purchase
• Create and use **customized HPC appliances**, **pay less** for it, and **obtain results faster** than any other IaaS providers all while having support options
• Efficient environments are capable of handling **all** types of workloads up to and including HPC
• Use HyperWorks Unlimited – available in both physical and virtual formats, offering unlimited use of Altair’s software
Why Altair for HPC?

User-Focused Vendor
- Industry leader in user satisfaction
- Easy to work with, from execs to engineers
- Global support with experts in 22 countries

Respected Leader
- Proven for 30 years
- Thousands of clients
- Staff of seasoned experts and thought leaders

HPC Expertise
- Only vendor to create – and also use – both HPC middleware and applications
- Reliable products engineered by HPC experts who understand user needs

Strong Partnerships
- High-level relationships ensure clients get industry-leading quality
- Close collaborations for seamless, well-documented integrations

“Altair’s expertise and dedication to success is unbeatable.”
—Weizmann Institute
Visit us at Supercomputing 2016

Join Altair at SC’16
November 14-17
Booth #1180

Free workshops, tutorials, talks, demos… and much more!