



ALTAIR PBS PROFESSIONAL

Third Party Software

WHAT'S NEW

- Allocation and budget management.
- Forecasting and simulation.
- Cloud bursting and dynamic extension.
- Hierarchical scheduling.

OVERVIEW

Altair PBS Professional offers comprehensive workload management for high-performance computing, and cloud environments. The workload management suite allows high performance compute (HPC) users to simplify their environment while optimizing system utilization, boosting application performance, and improving return on investment (ROI) on hardware and software investments. Altair PBS Professional is the preferred solution for many of the largest, most complex clusters and supercomputers [1] - and is the choice for smaller organizations needing HPC solutions that are easy to adopt and use.

FEATURES

Suitable for all HPC Systems from Hewlett Packard Enterprise

Altair PBS Professional is optimized so it can be used for all Hewlett Packard Enterprise high performance computing systems.

With Altair PBS Professional, it is easy to create intelligent policies to manage distributed, mixed-vendor computing assets as a single, unified system including support for processors and accelerators from Intel®, AMD®, Arm®, and NVIDIA®.

Functionality and Scalability

Altair PBS Professional is a fast, powerful workload manager designed to improve productivity, utilization, and efficiency, while simplifying administration for HPC clusters.

The software accelerates job execution and selects optimal job placement across diverse, broadly distributed resources.

Altair PBS Professional scales easily to millions of cores and can support

1,000,000+ jobs per day [2].

Additional Features

Altair PBS Professional features enhanced security with EAL3+ certification and support for SELinux.

Includes Docker container support, cloud bursting, and parallel scheduling.

Integration with HPE Performance Cluster Manager cluster management software aims to drive highest system utilization levels.

Altair supports Hewlett Packard Enterprise customers through a network of global experts and our close business collaboration means users can expect high-value, seamless deployments.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

[HPE GreenLake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

[1] "Altair PBS Works™ Will Optimize Australia's Fastest Supercomputer" August 2019 (<https://blog.altair.com/altair-pbs-works-will-optimize-australias-fastest-supercomputer/>)

[2] "Altair Accelerator - Industry's Fastest Enterprise Job Scheduler" September 2019 (altair.com/resource/altair-accelerator-datasheet)

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Enterprise**

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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Image may differ from the actual product
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