Moab HPC Suite*Lite*

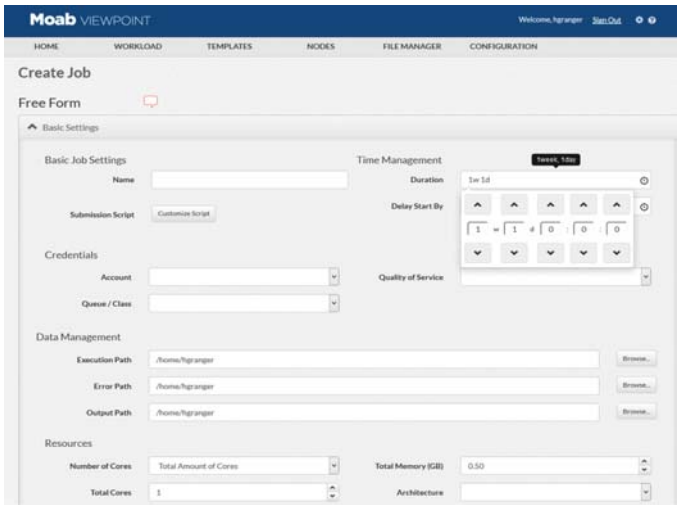
Easy to Use

Moab HPC Suite*Lite* is an easy-to-use foundational base of a rich enterprise-ready workload management suite, which is **only available with the purchase of new systems from participating preferred partners.** It provides ease-of-use job submission for end users and the user and queue management that an administrator needs to manage the workload of many users in a single group. Support is optional on small systems (below 32 sockets), but is required on larger systems.

End User and Administrator Benefits

Features like portal-based job submission, application templates, script builders, job details, and file management increase the productivity of end users by speeding and simplifying the submission process. The portal's ease-of-use has the potential to expand an HPC user base to even non-IT skilled personnel.

These expanded user capabilities save administrators time spent managing users' requests. Best practices-based submission templates help speed the submission process and reduce potential errors. Also, the portal provides valuable feedback to users about their workloads to help them solve their own job issues. Admins gain quick visibility into the system for workload troubleshooting, and are able to visualize resource utilization as well as view node and workload summaries.



Features

- **Job Submission Portal -** Submit and manage basic jobs through a simple and easy-to-use point-and-click web portal, in addition to the command line interface.
- **Application Templates** - Automate best practices by pre-defining default values, hiding unnecessary options, and adding custom fields, thereby simplifying the submission process and optimizing application run time.
- **Script Builder** - Facilitate correct use of syntax and reduce new-to-HPC user error through drag-and-drop parameters in a visual interface.
- **Job Details** - Gain insight into job status and reasons for failure through explanatory messages, saving administrator time by helping users to help themselves.
- **File Manager** - Navigate output files right from an internal browser that includes the ability to move, rename, delete, compress, uncompress, and preview files.
- **User and Queue Management -** Set usage policies for users and queues to ensure that resources are applied optimally.
- **Resource and Usage Policies -** Apply workload to resources based on memory, processor, and other resource attributes. Set user and queue-based workload prioritization and node allocation to manage usage behaviors and increase utilization.

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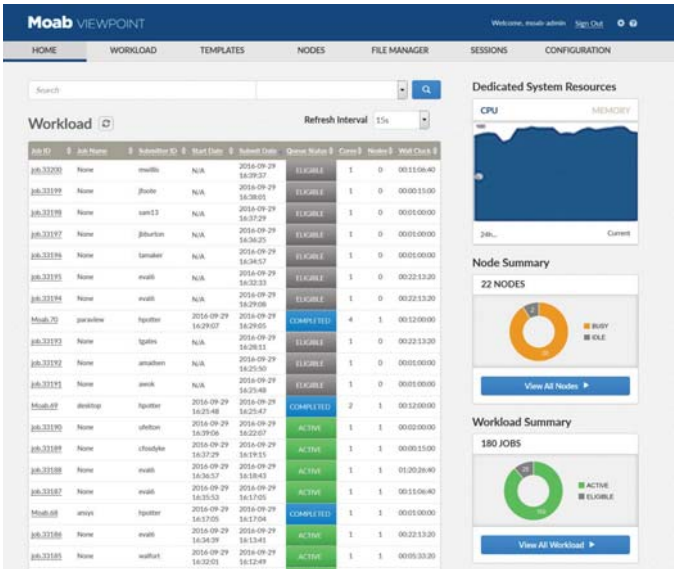
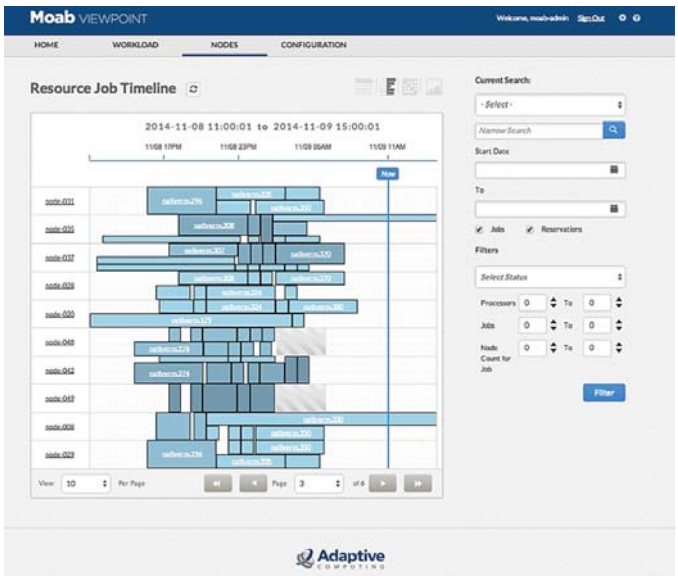
Support and Value-Added Modules

Adaptive Computing offers commerical support as well as the following value-added features that can be purchased to extend this basic foundation. Add these powerful modules according to specific needs.

- **Multi-Group Sharing -** Efficiently share clusters and align resource usage to meet business objectives using capabilities like Fairshare, Advanced Prioritization, and Preemption.
- **Accounting -** Flexibly track and charge for resource or service usage. Perform deposits, withdrawals, transfers, and refunds while providing balance and usage feedback to users, managers, and system administrators.
- **Advanced Resource Management -** Improve overall system performance and utilization in complex or heterogenous HPC environments through enhanced scheduling decisions and better resource matching.
- **Power Management -** Automate individual, per-application CPU clock frequencies and lower the power state of idle nodes using the Green Pool Buffer Policy, minimizing energy costs while preserving system performance.
- **Workflow Management -** Perform health checks, handle failures, develop workflows, and provision/re-purpose nodes through a trigger-based workflow engine, enabling the implementation of end-to-end automated processes.
- **Grid Management -** Enable unified scheduling, intelligent policy management, integrated resource management, data staging, and consolidated monitoring and management across multiple clusters.
- **Elastic Computing -** Manage resource expansion of bursty workloads by dynamically obtaining and relinquishing additional resources from private clouds or other data centers.
- **Reporting & Analytics -** Configure reports and create custom dashboards to visualize resource usage and workload performance.





Summary

Moab HPC Suite*Lite* workload management software provides you with an easy-to-use workload submission experience for end-users and a powerful workload management experience for administrators. Contact an Adaptive Computing representative or a participating vendor for more information.

Contact a solutions advisor by phone or email, or visit our web site today.

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