



MAUI CLUSTER SCHEDULER

Maui is an advanced job scheduler for use on clusters and supercomputers. It is a highly optimized and configurable tool capable of supporting a large array of scheduling policies, dynamic priorities, extensive reservations, and fairshare and is acknowledged by many as *'the most advanced scheduler in the world'*. It is currently in use at hundreds of leading government, academic, and commercial sites throughout the world. It improves the manageability and efficiency of machines ranging from clusters of a few processors to multi-teraflop supercomputers.

Benefits:

- Optimize resource utilization by an additional 35%
- Focus resources on your organization's priorities
- Manage the complexities of sharing and scheduling shared resources
- Ensure quality of service guarantees
- Enforce usage policies

Features:

Maui extends the capabilities of base resource management systems by adding the following features:

- [Extensive job priority policies and configurations](#)
- [Multi-resource admin and job advance reservation support](#)
- [Metascheduling interface](#)
- [QOS support including service targets and resource and function access control](#)
- [Extensive fairness throttling policies](#)
- [Multi-attribute fairshare](#)
- [Configurable node allocation and load balancing policies](#)
- [Multiple configurable backfill policies](#)
- [Detailed system diagnostics, utilization tracking, and reporting](#)
- [Allocation manager support and interface](#)
- [Extensive resource utilization tracking and statistics](#)
- [Non-intrusive 'Evaluation/Test' mode](#)
- [Advanced built-in HPC simulator for analyzing workload, resource, and policy changes](#)

Supported Resource Managers:	Supported Platforms:
<ul style="list-style-type: none"> • OpenPBS • "Scalable" Open PBS • PBSPro • Sun Grid Engine (SGE) • SGE Enterprise Edition • LoadLeveler • LSF • BProc/Scyld • Scalable System Software (SSS-RM) 	<ul style="list-style-type: none"> • Linux • AIX • OSF/Tru-64 • Solaris • HP-UX • IRIX • FreeBSD • Other UNIX platforms