

Designed specifically for hardware emulation environments, Altair Hero™ is an end-to-end, vendor-agnostic solution. It addresses all aspects of emulation flow including design compilation, emulator selection, and software and regression tests.

Product Highlights

Designers

- High-performance, hardware-emulation-specific scheduler for faster throughput
- End-to-end solution includes compilation, synthesis, simulation, and emulation

Infrastructure

- Metrics for greater visibility into emulator resource utilization
- Maximize utilization of expensive hardware assets
- Customizable alerts and notifications

Management

- Vendor-agnostic for greater flexibility
- Comprehensive policy management features including fairshare and preemption

Learn more:
pbsworks.com

Hero is the industry's only end-to-end hardware emulation enterprise job scheduler, and it's designed specifically for hardware emulation design verification environments. Hero is a vendor-agnostic solution capable of managing the job scheduling requirements of the Cadence® Palladium®, Mentor Graphics® Veloce®, and Synopsys® ZeBu® product families. Hero addresses all aspects of the hardware emulation environment, and its emulation-specific metrics provide greater visibility into the efficiency and utilization of hardware emulation resources.

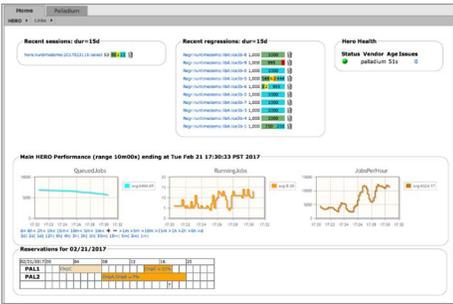
Greater Productivity

Designed specifically for system-on-chip (SoC) emulation environments, Hero can manage complex hardware emulation workloads. Developed as an end-to-end solution, it addresses design compilation, synthesis,

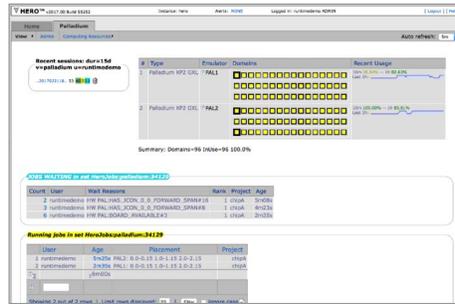
simulation, and emulation, providing a comprehensive solution for complex SoC design verification environments.

Hero is equipped with a comprehensive set of policy management features including fairshare and preemption. Working in conjunction with hardware emulation platforms, Hero can suspend lower-priority jobs and resume them when higher-priority jobs have completed. These capabilities provide organizations with essential tools to control their policies – and optimize workload environments while maximizing the use of hardware emulation assets and business priorities.

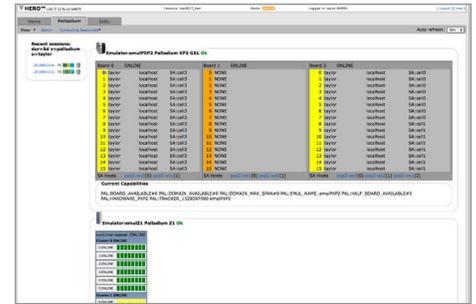
Hero also introduces the concept of soft reservations to allow users and organizations to reserve blocks of time on hardware emulation platforms. A soft reservation



Track job queue and multiple emulators on the easy-to-use dashboard



Drill down into job placement and a single emulator family



View the status of a single-emulator drilldown

allows others to use the emulation platform until the person or organization that reserved the system arrives, at which time running jobs can be suspended or killed, depending on organizational policies. Organizations can also customize their policies to determine whether to release a block of time if the reserving user is a no-show.

Greater Visibility Through Metrics

Hero provides unique visualization capabilities to easily identify emulation resources' usage at any given time. In addition, Hero's graphical user interface provides at-a-glance views of completed, failed, and queued jobs. This enables system administrators to easily identify any given job status and drill down to the root cause of a failing job by bringing up relevant log files.

Hero's rich set of hardware-emulation-specific metrics (e.g. usage by project, day, week, and month) provides system administrators and management with full visibility into the utilization of emulation platforms. This allows them to adjust their organizational priorities and maximize the use of expensive hardware assets.