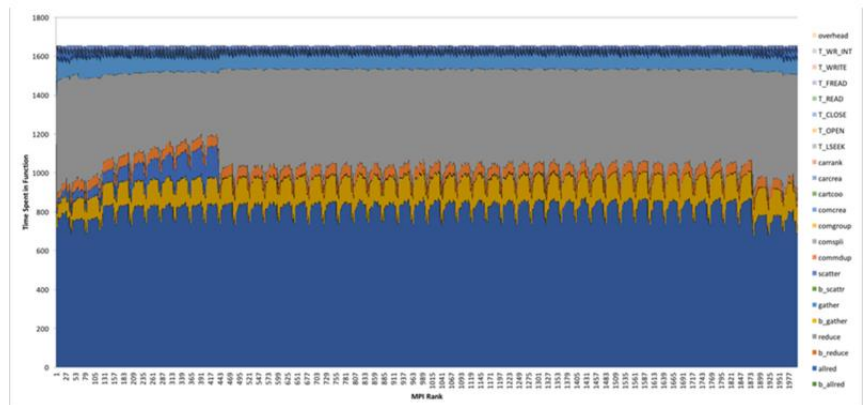




HPE MESSAGE PASSING INTERFACE (MPI)

High Performance Computing Software



WHAT'S NEW

- More reporting features for application acceleration at runtime
- Support for HPE Apollo 20 systems
- Support for SUSE® Linux Enterprise Server 15 SP1, CentOS 8.0, and RedHat® Enterprise Linux™ 7.7 and 8

OVERVIEW

HPE Message Passing Interface (MPI) is an MPI development environment designed to enable the development and optimization of high performance computing (HPC) applications. It leverages optimized software libraries, runtime tools, and a scalable development environment to help customers tune and accelerate compute-intensive applications running on any HPE Linux-based cluster.

FEATURES

Customized MPI Library

The HPE Message Passing Interface (MPI) includes an MPI library so you can take full advantage of the underlying server infrastructure.

Supports most major interconnects and fabrics even over multiple generations to efficiently manage MPI traffic for improved performance.

Fast application launch: launch 100,000 cores in seconds.

Application Acceleration Environment

Enables tuning applications at runtime without requiring you to recompile your code - including applications developed with other MPI implementations.

Providing access to tools and libraries for application profiling and analysis helping to, identify performance bottlenecks and load imbalances as well as guided placements for threads.

Improve performance for I/O intensive applications without recompiling or retooling the software logic.



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.

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[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.

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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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