RED HAT ENTERPRISE MRG

MESSAGING, REALTIME, GRID

INTRODUCING RED HAT ENTERPRISE MRG

Red Hat Enterprise MRG integrates messaging, realtime, and grid technologies into a next-generation IT infrastructure that is 100-fold faster than alternatives and offers increased interoperability. It gives customers a competitive advantage by running applications and transactions with greater performance and reliability.

By integrating messaging, realtime, and grid functionality, Red Hat Enterprise MRG provides enterprises with a revolutionary foundation for high-performance distributed computing for everything from SOA to virtualization to cloud computing to bare-metal, mission-critical applications.

Red Hat Enterprise MRG delivers:

Messaging that is up to 100-fold faster. It also implements AMQP, the first open messaging standard for interoperability.

Guaranteed, fast response times.

Schedule to local grids, remote grids, virtual machines, and rented cloud infrastructure. It scavenges cycles from idle PCs to use all available computing resources.

Reduced complexity and breakthrough value through an integrated platform. Red Hat Enterprise MRG vastly simplifies the deployment and management of enterprise IT architecture while significantly increasing its functionality, performance, and value.

Deterministic performance. MRG's realtime provides the highest levels of predictability for consistent, low-latency response times to meet the needs of time-sensitive workloads.

Deterministic low-latency messaging. The combination of realtime and messaging functionality enables messaging with highly deterministic response times and reliably low latency.

Scalable computing power and resource utilization. Schedule any workload to local grids and remote grids, cycle-steal from desktop workstations, and dynamically provision and schedule work to cloud-based infrastructure like Amazon EC2. MRG also supports virtualization to harness any available resources for various jobs.

Messaging-based, reliable, low-latency job scheduling. By leveraging MRG's messaging and realtime components, MRG's grid can reliably schedule and execute jobs in less than a second.

Scalable and efficient utility computing. Enterprises can move toward a utility model of computing where applications are scheduled as jobs across a heterogeneous set of computing resources. MRG's grid scheduler can then automatically optimize utilization, priorities, load, and other key factors.

Large-scale virtualization. MRG provides sophisticated capabilities for managing large-scale virtualization deployments across heterogeneous servers with changing workloads.

Unified management. Red Hat provides a unified management platform with a web-based console, command-line tools, and APIs across the entire MRG platform – greatly simplifying the complexity of managing distributed computing.

Red Hat Enterprise MRG is a new subscription offering from Red Hat. It is highly optimized for and yields groundbreaking performance on Red Hat Enterprise Linux, but MRG also supports other platforms.

ADDITIONAL INFORMATION

For additional information on Red Hat Enterprise MRG, visit **redhat.com/mrg.**

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