

SEGUE2LL Product Data Sheet

SEGUE2LL advantages

- Takes full advantage of the large memory and multiple CPU cores in today's servers.
- Supports Java heaps up to 4 TB, reducing or eliminating the need for off-heap technologies.
- Scales rapidly, with sustained memory allocation rates beyond 30GB/sec.
- Removes Java Garbage Collection pauses as a factor limiting your business.
- Eliminates response time and latency outliers.
- Delivers a better user experience.
- Minimizes JVM and application tuning for faster time to market.
- 50% reduction in TCO vs other Java platforms.
- Optimized for Intel x86/64 servers and all major Linux distros.

Our collector is:

- Concurrent
- Region-based
- Compacting
- NUMA-aware
- Using colored pointers
- Using load barriers

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www.j-class.com

Segue2LL: Open Source Low Latency, Large Heap Java JVM

Flexible and powerful, Java is the ideal choice for development, DevOps and operations teams worldwide. Segue2LL is a scalable low latency garbage collector that builds upon Java's advantages by delivering a consistent, highly scalable open source Java Virtual Machine (JVM) that matches the needs of today's business, from newly-developed microservice-based applications to long-running legacy systems. Segue2LL is the best JVM for all Java workloads, including online retail, SaaS or Cloud-based deployments, insurance portals, multi-user gaming platforms, or Big Data. It's also ideal for low-latency systems for capital markets and ensures smooth operation with predictable, error free performance. Enables Java developers to make efficient and effective use of server resources or VM instances without the random stalls, pauses and jitter that have been part of Java's heritage. With improved memory-handling and a more stable, consistent runtime platform, Java developers can rely upon SEGUE2LL as they build and deploy richer applications, driving new revenue streams and supporting new innovations.

Whether your application requires human-scale response times or is machine-scale, measuring peak response time in microseconds, Segue2LL allows you to scale to meet even the most demanding service level agreements without re-architecting or depending upon JVM tuning experts helping you take advantage of new business opportunities faster and with lower operating costs.

Features

- Reduced Latency, Pause times do not exceed 10ms.
- Pause times do not increase with the heap or live-set size.
- Handle heaps from a few hundred megabytes up to 4 terabytes in size.
- Open source code means no surprises or non-standard requirements.
- Simple to install and requires no coding changes to existing applications,
- Delivers consistent application performance, Maintains your SLA.
- Increase profit and revenue.
- Saves man-hours.
- Available annual support agreements.
- JDK versions up to 13.