

bigmemory: bigger, better, and platform-independent

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The newly re-engineered package `bigmemory` uses the Boost Interprocess C++ library to provide platform-independent support for massive matrices. These matrices may be allocated to shared memory with transparent read and write locking. In addition, `bigmemory` now supports file-backed matrices, ideal for applications exceeding available RAM. Proof-of-concept applications to be discussed may include parallel algorithms, biomedical imaging, and data streaming with R.

References

Boost Interprocess Library,

<http://www.boost.org/>.

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