KOVE
more from less

FAQ

What is a Kove® memory fabric?
A Kove® memory fabric pools Kove® External Memory appliances. It dynamically allocates and reuses External Memory where and when servers need memory.

If buying Kove costs more on a per DIMM basis, how does this save me money?
Rather than having isolated DIMMs in individual servers, Kove manages memory as an enterprise resource. Because memory is allocated and reused as needed you can buy less memory and fewer servers.

Why would I not just use Flash, isn't Flash cheaper?
Kove® External Memory is the only technology that maximizes CPU utilization rates at the data center level, creating new economies. Third party benchmarks, documentation, and use cases are available under NDA.

How can memory fabric outside the server be fast enough for my application?
Kove's approach delivers determinacy that is friendly to CPUs. Customers using Kove® memory fabrics have achieved consistent CPU saturation.

Why not PCIe direct?
PCIe direct extends individual PCIe buses. Kove provides a routable fabric that aggregates buses and scales linearly across box boundaries.

How is this different than SMP or vSMP?
Hardware SMP and software SMP do not scale linearly. Kove does, and can provide documentation under NDA.

How will Kove work with the various new memory technologies arriving?
Kove® IP is designed to incorporate new memory technologies as they reach maturity.

How does this impact my green efficiency?
The benefits of Kove® memory fabrics reduce server footprint, power consumption, and heat.

Doesn't this create a single point of failure?
Kove offers memory availability levels ranging from rank-sparing to synchronous mirroring. For virtualization deployments, virtual machines get the same availability as running on individual servers.

How much software modification does this require?
Most applications will run faster out of the box, with zero code changes. Kove also provides interfaces for developer usage.

How much hardware modification does this require?
Kove uses an open systems architecture and commercial off-the-shelf (COTS) hardware. Today Kove supports Fibre Channel and InfiniBand fabrics, and will support additional fabrics in the future.

How do I manage devices and fabric?
Kove provides a single pane of glass console for memory pool management, and APIs to integrate with third party provisioning systems. OpenStack integration is forthcoming.

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