



BENEFITS

**1/10th the cost of traditional systems:** runs on standard hardware with fewer spindles

**10X performance increase:** single disk I/O file retrieval, distributed metadata

**100X capacity of current solutions:** Internet-scale data delivery with Peer Set™, single namespace to hundreds of petabytes, always available

**Unique, innovative web capabilities:** small file and log optimizations, key-value store, always available

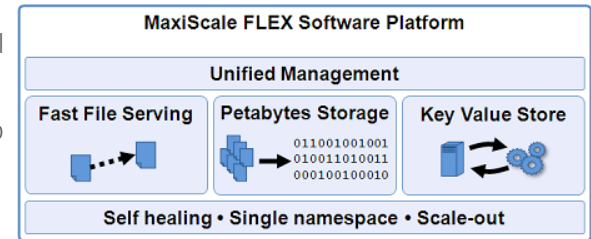
APPLICATIONS

- Photo sharing
- Online ad serving
- Media services
- Web logging and analytics
- Database migration to key value store

MaxiScale FLEX Software Platform

The MaxiScale FLEX Software Platform is a breakthrough software platform for Internet data centers and storage infrastructure that fundamentally changes the economics of deploying Web-scale applications. The platform addresses the unpredictable and expanding data requirements facing companies that deliver Internet applications.

MaxiScale software enables customers to reduce capital and operational costs while improving performance by an order of magnitude over existing solutions. Data centers can linearly scale a single namespace to hundreds of petabytes, eliminate forklift upgrades and reduce disk spindles by a factor of ten.

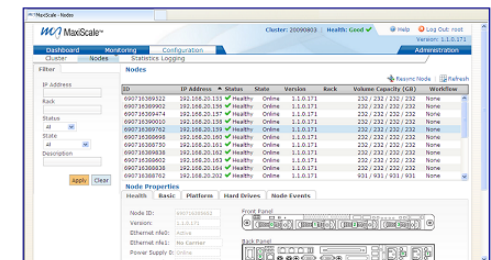


Reduce capital and operational costs by an order of magnitude

MaxiScale enables Internet data centers to reduce capital costs by reducing the amount of infrastructure required. MaxiScale shrinks the storage footprint with fewer high-capacity disks and fewer enclosures. Web operations teams no longer need to invest in their own storage infrastructure development; MaxiScale provides complete testing and support to ensure solutions that are easy to implement and manage. MaxiScale runs on standard hardware with low-cost Ethernet networking.

Improve performance ten-fold

The small file repository guarantees single disk I/O file retrieval, enabling Web applications to keep up with incessant small file demands including photo sharing and messaging. All types of files benefit from linear performance improvements as bandwidth, file I/O, processing power and capacity expand with each node.





## Scale to 100 times the capacity of current solutions

The innovative MaxiScale Peer Set™ architecture scales linearly to hundreds of petabytes in a single namespace. By easily reaching hundreds to thousands of nodes, Internet data centers can keep up with the continual data workload growth.

## Unified management

The MaxiScale FLEX Software Platform provides an easy, browser-based interface to manage the entire system from a single location, regardless of capacity. Administrators can add capacity with a single click and ensure proper configuration and load balancing for optimal performance. The system automatically activates spare resources to transparently recover from hardware failures and restore the system to optimum health.

## Benefits of optimized storage for web applications

Benefits	Supporting capabilities
Lowest cost per file served	<ul style="list-style-type: none"> <li>• Runs on standard hardware: standard servers with SATA disks</li> <li>• Gigabit-Ethernet-only networking without costly InfiniBand or Fibre Channel</li> </ul>
Performance at web scale	<ul style="list-style-type: none"> <li>• Guaranteed single disk I/O file serving across billions of files</li> <li>• Number of simultaneous files served scales linearly with more capacity</li> <li>• File read/write bandwidth scales linearly with more capacity</li> <li>• No bottlenecks – fully distributed metadata lookups and data retrieval</li> </ul>
Slash datacenter power and cooling costs with less equipment	<ul style="list-style-type: none"> <li>• Allocate less storage with 1 KB blocks for dramatic savings on small files</li> <li>• Uses one-tenth as many disks for the same performance requirements</li> </ul>
Always-available file serving	<ul style="list-style-type: none"> <li>• Self-healing automatically allocates spares and recovers from failures</li> <li>• Fault tolerant system maintains read/write operation during failures, rebuild</li> </ul>
Easy and inexpensive to operate	<ul style="list-style-type: none"> <li>• Add more file serving bandwidth with a single click for capacity on demand</li> <li>• Automatic load distribution and balancing self-tunes without manual intervention</li> <li>• Single management UI across application workloads and hundreds of petabytes</li> </ul>