

SchoonerSQL™ is a 99.999% high-availability high-performance 100% MySQL-compatible OLTP database for the most demanding mission-critical applications. SchoonerSQL guarantees no lost or stale data, cuts both planned and unplanned downtime with instant automated failover over LAN and WAN, provides unlimited scaling, and radically simplifies cluster administration. SchoonerSQL delivers superior performance and throughput, enabling dramatic datacenter footprint reductions and less sharding. Customers requiring highly-available applications in e-commerce, social media, entertainment, gaming, telecom, financial services, and education rely on Schooner to slash the application downtime that costs revenue, customers and reputation, and to cut spending on database servers and power, pipe, and people to run them. SchoonerSQL runs on any x86 server with Linux or CentOS with the database on hard drives, flash memory, or SAN.

Highest Service Availability

Instant, automated fail-over for both unplanned and planned downtime reduces service downtime by 95% relative to legacy MySQL 5.x.

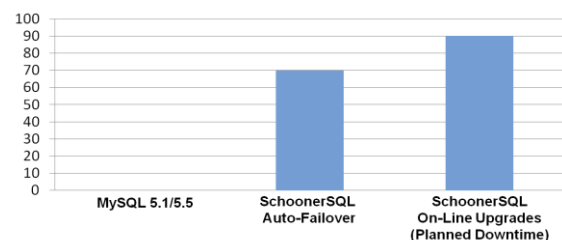
Highest Data Integrity

Schooner synchronous replication guarantees no data loss: when a master database fails, all read masters have the latest committed data. All data is fully consistent across the entire synchronous cluster.

Highest Performance and Scalability

SchoonerSQL's multi-threaded parallel architecture provides the highest throughput and lowest response time on all standard x86 servers with HDD, flash or SAN storage. SchoonerSQL provides unlimited read scaling, as well as write scaling (using dbShards).

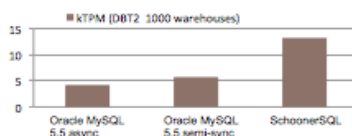
Schooner MySQL Availability Improvement
(% Cumulative Down Time Reduction)



DBT2 open-source OLTP version of TPC-C
1000 warehouses, 32 connections
0 think-time
Result metric: TPM (new order)

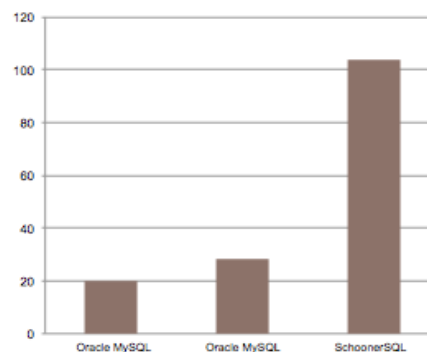
Measurement Configuration
2 node Master-Slave configuration
2 socket Westmere
72GB DRAM

Transaction Throughput with Hard Disc Drives

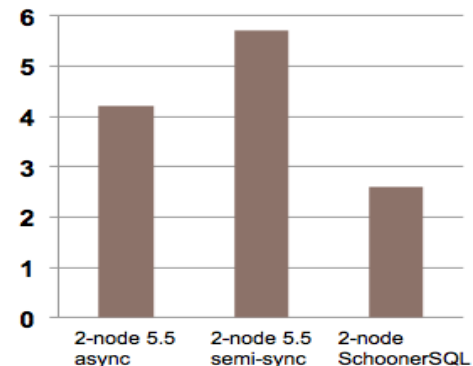


Transaction Throughput with Flash

■ kTPM (DBT2 1000 warehouses)

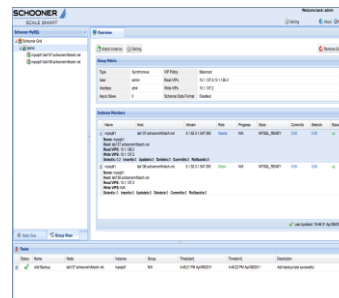


DBT2 Response Time (ms)



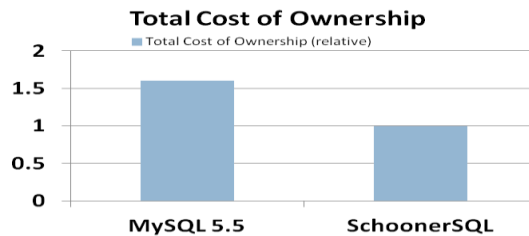
Simplest and Most Powerful Administration

SchoonerSQL provides completely automatic and instant failover, eliminating service interruptions and the need for administrator intervention. The Schooner GUI and CLI enable easy cluster-wide administration, including point-and-click cluster management, extensive monitoring, trouble-shooting, tuning, and alerts.



Lowest Cost of Ownership

SchoonerSQL significantly lowers the total cost of ownership and typically provides a very fast return on investment. These savings are achieved through a combination of reduced capital and operating expenses.



Broad Industry Deployment

- eCommerce, social media, gaming, telecom, financial services, education
- High-traffic web sites
- Geographically distributed applications



Industry Leadership

FEATURES & BENEFITS	MYSQL 5.5	DRBD	ScaleDB	MYSQL NDB CLUSTER	CONTINUED (TUNGSTEN)	CLUSTRIX	SCHOONER SQL
Synchronous Replication for InnoDB (Guaranteed Data Consistency)	No	Limited	No	No	No	No	Yes
# Node Failures before Service Downtime (Failure Resistance)	Two	Two	Three	Four	Two	Two	Eight
Eliminates Slave Lag (100% Data Consistency and Zero Data Loss)	No	No	N/A	N/A	No	N/A	Yes
Automated Fail-Over (LAN/MAN/WAN)	No	No	No	No	No	No	Yes
Performance Across WAN	Low	Low	Low	Low	Low	Low	High
Full & Incremental Online Backup Integrated with GUI (Zero Downtime)	Limited	No	No	No	No	No	Yes
Online Software & Hardware Upgrades (Zero Downtime)	No	No	No	Low	No	Low	High
Elastic Cluster (add or remove nodes with ease - Zero Downtime)	No	No	Medium	Medium	Low	Medium	High
Performance with Flash Memory	Low	Low	Low	Low	Low	Medium	High
Cost (TCO)	Medium	High	High	High	High	High	Low

Evaluating the Options and Trade-offs for Your Data Center? Let Schooner Help!

CONTACT SCHOONER

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