



Breakthrough Technology



MaxxCAT™ dbWARE™

High Performance, High Availability
Database Appliance

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MaxxCAT™ dbWARE™ (Write Anywhere, Read Everywhere) is the simplest, cost-effective solution to deploy a database to multiple synchronized cloud nodes to **maximize performance, redundancy and uptime.**

MaxxCAT: Extreme Performance

- Scale Performance of Databases with One-Click Node Additions.
- Avoid Downtime with Self-Healing High Availability Nodes
- Survive Catastrophic Disasters with Multiple Nodes Anywhere.
- Safeguard your data with multiple distributed copies.
- Improve Redundancy with Multi-master Nodes each with Complete Copies of Data



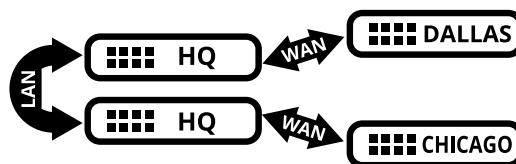
Designed to Work with Your Environment

- No Need to Rewrite or Reconfigure Applications
- Works on LANS or WANS or Both
- Built-In WAN Optimization
- Secure Point to Point Communication
- Invisible Failover
- Automatic Recovery from Failures



Performance

By simply adding nodes you can scale database read and write performance much better for your users no matter where they are.



Redundancy

Each dbWARE node is a fully functional master with a complete up-to-the-second current copy of your database. dbWARE can supplement your backup procedures or allow you to rethink them. Tapes in a cabinet or dumps to a SAN make your data safer but do nothing for your users in down times. dbWARE keeps your data safe AND your database running.



Uptime

Whether you have a brief hardware failure on one node or a prolonged catastrophic loss of an entire data center, dbWARE keeps your database up and your users productive. If a dbWARE node fails or a network link fails, your users will be migrated to the next nearest node so they can keep working. And when the down node comes back up, it will begin self-synchronization

3X FASTER THAN ANY ALTERNATIVE

Native MySQL vs dbWARE

Time Taken In Seconds	mysql		vs	dbWARE	
	LAN	WAN	LAN	WAN	LAN/WAN/WAN CLUSTER
100 Inserts	1	1	1	1	1
1,000 Inserts	1	64	1	1	1
10,000 Inserts	15	690	9	13	13
100,000 Inserts	161	5,400	34	75	75

MaxxCAT writes SQL over a WAN faster than native MySQL writes over a LAN

KEY FEATURES

Performance

Performance

- Easily add nodes to increase throughput
- Move nodes closer to users to reduce latency
- Built-in WAN and LAN optimization

Scalability

- As demand grows, increase capacity by simply adding nodes
- Existing Applications work, as-is Parallelism is "under hood"
- Configurable Node topologies

Uptime

No Single Point of Failure

- Each node can survive the loss of all other nodes
- H/A nodes have redundant power, controllers, drives, I/O
- Internal RAID an option if required

Automatic Failover

- If a node fails, it moves out of rotation
- Remaining nodes continue to serve users
- Remaining nodes keep master DB in sync
- Users are automatically switched to another node

Automatic Failback

- When a node recovers, it auto-syncs to current state of logical master
- Recovered nodes take over their prior user workload gracefully

Disaster Recovery

- No wasted capacity with passive slaves or offline idling data center
- Each node serves as an offsite DR location - always with fresh data
- Instant live data -- no tapes or restore window

Redundancy

Multi-Master

- Each node can function on its own
- Nothing shared
- Nodes can be in same rack, same DC or geographically separated

Data Security

- Fully Replicated -- Each node has a full copy of data set
- Preserves data through node crashes, hardware failures, even DC catastrophes
- Users always have access to live data, even during failure

Live BackUps

- Thousands of nodes can be kept in synchronization
- Current to-the-second backups
- Nodes provide more than just data redundancy: workload processing also.

MaxxCAT™ dbWARE™
COMPETITIVE COMPARISON
Clustering vs Master-Slave vs Replication vs dbWARE

FEATURE	CLUSTERING	MASTER-SLAVE	REPLICATION	dbWARE
Simple Installation	-	-	-	✓
No Single Point of Failure	-	-	-	✓
Set Up Time	Days	Days	Hours	Minutes
Consistency Guarantee	✓	-	-	✓
Real Time	✓	✓	-	✓
Efficient Capacity Utilization	-	-	-	✓
WAN Scalable	-	-	-	✓
Invisible Failover	✓	-	-	✓
Automatic Failback	-	-	-	✓
Geographic Diversity	-	-	✓	✓
Up During Hardware Failure	-	-	-	✓
Up During Disaster	-	-	-	✓
Write Performance Gains vs Single Node	-	-	-	✓
Read Performance Gains vs Single Node	-	-	-	✓

Reliable Data Distributed

With a New MaxxCAT™ dbWARE™ Appliance you can immediately begin to replace your mySQL™ databases and start to enjoy safe, reliable, data distribution at speeds no other database appliance can match.

If you are interested in acquiring the new dbWARE™ appliance, contact our sales department

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