



clear**db**

Reliable, fault tolerant database-as-a-service
for your MySQL powered applications.

ClearDB Key Features

- Delivers **highly-available MySQL** in cloud, datacenter and on premise environments.
- Multi-regional, multi-master topology with sub-second **automatic failover**.
- With ClearDB Iron, up to **30x performance boost** over standard MySQL.
- Runs on native, **unaltered MySQL 5.5**; no proprietary storage engines required.
- Automatic **daily backups**; backups replicated to all masters in the cluster.



ClearDB Key Features (Cont)

- Connections secured with **SSL encryption**; client-side certifications and at-rest encryption available.
- **100% up-time** guarantee, backed by SLA.
- True **cloud agnostic** technology. Hybrid cloud / on premise clusters possible.
- **Fully managed** service includes 24/7 support for all IT-level incidents.
- **Platform agnostic** (Linux, Unix, Windows).

How does ClearDB assure up-time?

- ClearDB mirrors MySQL database using a “shared nothing” multi-master, ring topology.
- Geo-separation of masters ensures availability even during regional outages.
- Replication is asynchronous and real-time.
- ClearDB’s HA routers (CDBRs) re-route database traffic to next available master in the event of failure.

ClearDB Routers (CDBRs)

ClearDB High Availability SQL Routers (or CDBRs) are custom built, intelligent traffic managers that closely watch the health and state of our clusters.



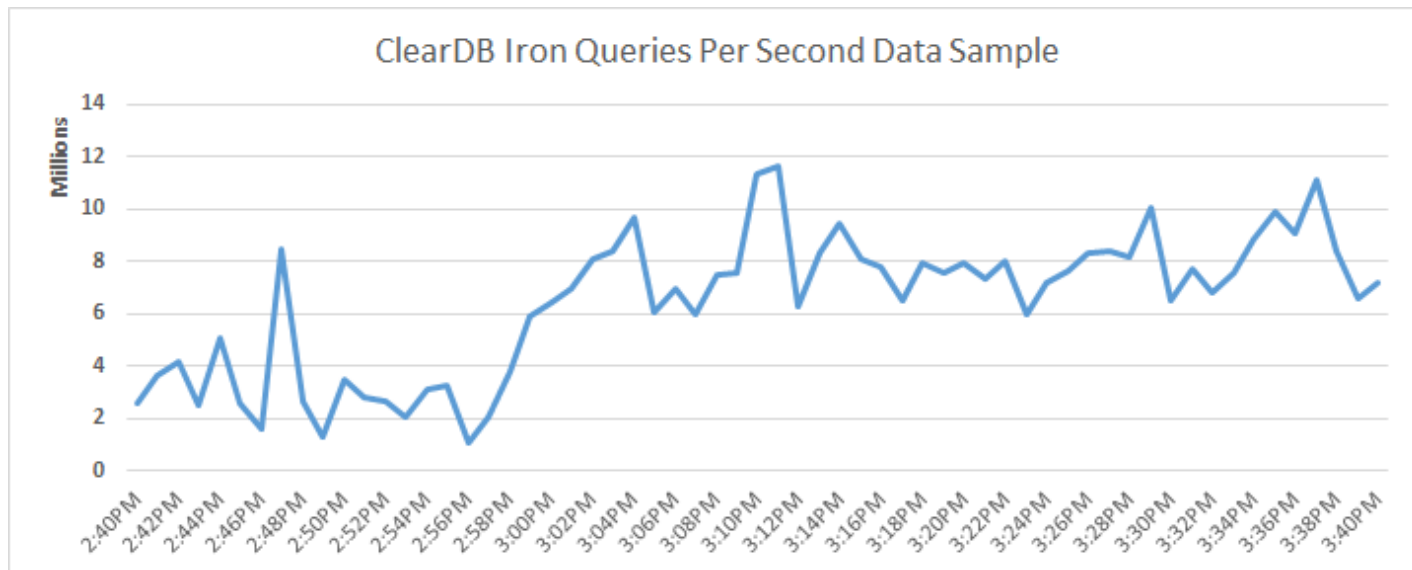
In the event that a cluster node becomes unhealthy or fails, our CDBRs can automatically redirect your database connections to the next available master, ensuring 100% uptime.

Will my application work with ClearDB?

- ClearDB does not alter MySQL in any way.
- If your application works with MySQL 5.5 then it will work with ClearDB, period.
- No special storage engine required; we recommend use of InnoDB engine if possible.
- You will not need to alter your code to work with ClearDB; just edit your configuration with the credentials we provide.

ClearDB Iron™ Technology

Clusters powered by ClearDB Iron™ enjoy all the performance benefits of in-memory MySQL with none of the typically associated risks of data loss.



Is ClearDB Secure?

- ClearDB utilizes a securely configured form of MySQL that uses SSL encryption for network access.
- Connections can be secured with our own SSL client certificate, or clients can opt to use X.509 client-side certificates for additional security.
- Backups are exported, compressed and encrypted before being stored on disk.
- Full volume encryption is also available, but may require infrastructure enhancements depending on client's existing cluster makeup.

FIND OUT MORE!



www.cleardb.com

