

IDERA®

MySQL Solutions Case Study

NBT INC.

In April 2018, IDERA's parent company Idera, Inc. acquired Webyog. Since then, IDERA has incorporated Webyog's MySQL monitoring tool "Monyog" into its product portfolio and rebranded it **SQL Diagnostic Manager for MySQL**.

## OVERVIEW

Founded in Korea in 2012, NBT, Inc. developed "cashslide," the world's first mobile lock screen platform, which has more than 18 million users. The company has now expanded overseas, providing the technology behind the Chinese lock screen cash back software provider, Coohua.

JaiKwang Lee is product guild and DevOps leader at NBT. He and his team are responsible for managing the numerous company databases spread across different geographies.

## ORGANIZATON PROFILE

**Industry** Mobile Technology

**Headquarters** Seoul, South Korea

**Website** [nbt.com](http://nbt.com)

## CHALLENGE

Because NBT's servers are located in three different countries on multiple cloud services, monitoring various geographical data can be painstaking and complex. MySQL also exposes hundreds of metrics, making it difficult for the team to identify problematic queries or metrics manually.

# SOLUTION

When Lee and his team began comparing MySQL monitoring solutions, they sought a few crucial features that could help improve the performance of their MySQL databases, including: the query history of the user, checking the real-time query history and observing changes in resource usage of the MySQL server.

After comparing several solutions, NBT chose Monyog due to its easy setup, effective monitoring capabilities and affordable price point.

# RESULTS

Since implementing Monyog, Lee and his team have been able to cut through the noise and identify the critical MySQL performance metrics that impact NBT's database performance.

For example, the Monyog web console allows them to check process lists and force the killing of processes when needed, while the query analyzer has improved overall database performance. In addition, using the query analyzer sniffer mode, NBT can determine what kind of query the user performed when and by various periods, depending on the team's specific requirements.

Using Monyog, Lee's team can capture past and real-time insights, enabling them to identify hidden issues and continuously monitor vital performance metrics to optimize NBT's database performance.

Start for **FREE**

The screenshot displays the Monyog web console interface. At the top, there are four summary cards: '504 Total Servers', '0 Servers Down', '7570 Critical Alerts', and '4074 Warnings'. Below these is a table titled 'TOP 10 QUERIES (across all servers based on Total Time)'. The table has four columns: Query, Count, Total Time, and Average Latency. The queries listed include 'SHOW FULL PROCESSLIST', 'SELECT \* FROM (SELECT digest AS 'Digest', schema\_name AS 'Db', digest\_text AS 'Query', count\_star AS 'Count', IFNULL(sum\_time...', 'SHOW GLOBAL VARIABLES', 'SHOW GLOBAL STATUS', 'SELECT \* FROM (SELECT digest AS 'Digest', schema\_name AS 'Db', digest\_text AS 'Query', count\_star AS 'Count', IFNULL(sum\_time...', 'SELECT UNIX\_TIMESTAMP ( DATE\_SUB ( NOW (), INTERVAL ? SQL\_TSI\_SECOND )) AS 'starttime'', 'SHOW SCHEMAS LIKE ?', 'SET NAMES ?', and 'SELECT \* FROM 'mysql'. 'user''.

Query	Count	Total Time	Average Latency
SHOW FULL PROCESSLIST	61M	01:03:30.000	0
SHOW FULL PROCESSLIST	8M	01:00:16.000	0
SELECT * FROM (SELECT digest AS 'Digest', schema_name AS 'Db', digest_text AS 'Query', count_star AS 'Count', IFNULL(sum_time...	87K	51:36.000	00:06
SHOW GLOBAL VARIABLES	1M	1:012.000	00:001
SHOW GLOBAL STATUS	1M	07:52.000	0
SELECT * FROM (SELECT digest AS 'Digest', schema_name AS 'Db', digest_text AS 'Query', count_star AS 'Count', IFNULL(sum_time...	5K	05:23.000	00:064
SELECT UNIX_TIMESTAMP ( DATE_SUB ( NOW (), INTERVAL ? SQL_TSI_SECOND )) AS 'starttime'	1M	01:01.000	0
SHOW SCHEMAS LIKE ?	1M	53.000	0
SET NAMES ?	1M	50.000	0
SELECT * FROM 'mysql'. 'user''	1M	49.000	0