

IDERA®

MySQL Solutions Case Study

# AIRVANTAGE

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

Airvantage is a value added service provider for mobile telecommunication networks based in South Africa. The company offers various gaming platforms and subscriber retention initiatives, such as emergency airtime and mobile money integration.

## ORGANIZATON PROFILE

**Industry** Mobile Telecommunication

**Headquarters** Richmond, British Columbia

**Website** [airvantage.net](http://airvantage.net)

## CHALLENGE

South African law mandates that companies keep databases on their own separate physical or virtual servers in their own geographical location, so Airvantage hosts each of its customers' databases on its virtual servers. As a result, the company's CTO Liam Terblanche and his team are tasked with monitoring several production servers spread over various countries in Africa and the Caribbean.

# SOLUTION

Terblanche was looking for a complete MySQL monitoring system with early warning mechanisms to help him and his team anticipate issues before they became problematic. He evaluated a number of tools, including ManageEngine and some open source alternatives, before choosing Monyog due to its simplicity, ease of configuration and relatively affordable price tag.

“

We opted for Monyog’s simplicity, easy of configuration, and relatively affordable price tag. It is a complete MySQL monitoring system with early-warning mechanisms.

Liam Terblanche **CTO** for Airvantage

”

With Monyog, Liam instantly started relying on the 600+ monitors and alerts to become better at proactively monitoring MySQL.

# RESULTS

Monyog's straightforward and intuitive interface along with its default set of alerts made the user experience extremely positive for Liam and his team.

One of the most useful capabilities has been the "comparing server configuration," which ensures that all of the servers are similarly configured for their particular system requirements.

In addition, Monyog's agentless architecture has allowed Airvantage to remain compliant with South African regulations. As a result, Terblanche is considering taking a similar approach with other solutions as well, commenting that, "To simply connect to any remote OS/MySQL and start monitoring is the way it should always have been."

Monyog customer support has also been key. In one instance, Terblanche needed an alert to determine if the checksum of a specific table had changed. When asked about the sales and support experience, he said, "The guys sat with me and assisted me until it was working to my satisfaction. The salesperson and subsequent technical support were first-class."

Start for FREE

The screenshot displays the Monyog monitoring 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 columns for 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\_timer\_wait \* 0.00...', '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	00.036
SHOW GLOBAL VARIABLES	1M	10:12.000	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_timer_wait * 0.00...	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