



MongoDB Case Study

International Entertainment Provider

Challenge

Datavail's client, a multinational entertainment provider delivering a wide variety of content including television, motion pictures and video on demand, understood that as they continued to grow their delivery became more complex and critical, and security had been a major focus of concern.

This client maintained three production environments and three development environments. The production and development environments were running different versions of software, with licenses for each version. In addition, a significant number of the production servers were underutilized.

Solution

After performing an assessment of the system, Datavail recommended consolidating some of the environments, strengthening security and upgrading to Mongo 3.2.9. The client could consolidate their production environment while realizing a significant cost reduction. Datavail also added more security based on MongoDB best practices. The upgrade required first moving from 2.6 to 3.0, and then upgrading to 3.2.9.

For this Datavail client, their database management systems developed over time. As the data grew, the impulse was to multiply their servers in response to keep ahead of the data growth curve which resulted in their environment becoming extremely complex. The number of alerts grew and the database became "touchy" which made the client weary in tackling an upgrade. But they also realized that staying at MongoDB 2.6 was a bad idea due to end-of-life support for that version. The client decided to bring in Datavail as the best solution to leverage their deep expertise in analyzing the system and managing the upgrade.

Results

With help from Datavail, the client immediately started to see a difference. After the upgrade, their data was consolidated on fewer servers and the number of problems and alerts plummeted. The costs also reduced significantly, saving the client on operational expenses and allowing them to reduce their Enterprise Edition licensing as they realized the ability to decommission some of their underutilized environment. The client enlisted Datavail for their Mongo DBA expertise to manage their MongoDB related administration support including installation and configuration of new MongoDB servers, monitoring, support, backup, index management, performance tuning and answering any questions their development team had. Using a combination of Datavail's MongoDB and MySQL support, the client could conglomerate and analyze user comments and social media feedback (likes and shares) to drive marketing campaigns. Instead of spending all their time trying to hold the system together, the Developers could extract real-time, actionable BI and feed it into marketing to increase viewership and improve the bottom line.