CLOVER INFOTECH

MySQL DB Upgrade from Community to Enterprise

for a Small Finance Bank

CASE STUDY



Operational Efficiency

Clover Infotech's solution helped the customer to reduce the frequency of dead locks in the database from 3 minutes to 3 hours. The low-cost hardware enhanced the efficiency of the LOS application, improved customer's operational efficiency and end-customer experience.



The Challenge

- The loan origination system (LOS) of the customer was not performing efficiently. The LOS maintained important aspects of a loan including the application status, processing and issuance, repayment, collection status, loan history etc.
- The LOS application would stop working optimally every 3-4 minutes due to dead locks in its database.
- The customer wanted to improve the performance of LOS significantly to enhance loan processing and management efficiency, thereby disbursing more loans and enhancing overall performance.
- It was challenging to upgrade a 3 TB database from 5.6 community to 8.0 enterprise as it would have impacted the system and caused inconvenience to the bank and its customers.
- Single backup and restoration were also taking more than 48 hours and the bank wanted to find a better way to do it.



The Solution

- Clover Infotech enabled the customer to migrate its MySQL databases 5.6 community edition to 8.0 Enterprise edition. This enabled the downtime for such a critical application to be reduced from 48 hours to 3 hours, thus enhancing seamlessness in the bank's operations.

- The reason behind the database dead locks were due to reports being configured on a stand-alone database server.

- The team addressed the same by configuring a 3 node InnoDB cluster which enabled the load of reports and peripheral applications to be diverted to secondary nodes, thereby reducing load on primary node, and improving performance of the LOS.

- The team ensured that the customer now required a 128 GB RAM for efficient operation of LOS as against the allocated 256 GB.

- Downtime for Upgrade was reduced from 48+ hours to around 3 hours.



We are just an email away

marketing@cloverinfotech.com



AWARDS AND RECOGNITION

ORACLE

PARTNER OF THE YEAR

ORACLE CLOUD INFRASTRUCTURE

2019

ABOUT CLOVER INFOTECH PRIVATE LIMITED

Clover Infotech is a leading IT services and consulting enterprise with a legacy in fostering digital transformation and business efficiency across industry verticals. With our comprehensive solutions to implement, integrate and manage technologies, we have been co-authoring success for some of the leading global enterprises for over 25 years.

The company has a strong pan-India presence. It serves its customers in Europe, Middle-East and Africa through its Dubai office and caters to the North American market through its office based in New York.

For more information, visit **www.cloverinfotech.com**

© Clover Infotech Private Limited. All rights reserved.

Clover Infotech logo is trademark of Clover Infotech Private Limited. Reference to other companies and their trademarks are owned by the respective companies and are for reference purpose only. The information contained herein is subject to change without notice.