AHANA AUTOMATES SQL SERVER INSTALLATIONS FOR A LEADING INDIAN STOCK BROKER FIRM, REDUCING SETUP TIME BY 66%

Proper management of database systems (DBMS) is vital for ensuring smooth operations in any organization. The installation and maintenance of these systems, especially in large environments, can be resource-intensive, both in terms of time and manual effort.

A streamlined approach to database setup can impact productivity, especially when installations are required on multiple systems. This case study explores how Ahana helped a client overcome challenges during SQL Server installations, achieving major time and effort savings through automation.

Client Profile

Our client, a prominent stock brokerage firm in India, serves more than 20 million clients. They provide an array of services, such as online trading and investing, advisory services, margin trading, algorithmic trading, and smart orders. The firm is affiliated with the Bombay Stock Exchange, National Stock Exchange of India, National Commodity & Derivatives Exchange Limited, and Multi Commodity Exchange of India Limited.

Challenges

The client faced a tedious process while installing SQL Server on multiple remote desktops. The process involved numerous manual steps, which not only made the procedure cumbersome but also prone to delays. The manual installation process typically took about 1.5 hours per desktop, straining resources and affecting operational efficiency. Given the large number of installations required, they needed a solution that could simplify the procedure and cut down the time involved.

Ahana's Solution

Ahana developed a custom C# desktop application to address the SQL Server installation challenges. The key features of the solution included:

- Automating the SQL Server installation process with minimal manual input.
- Enabling the entire installation process to be completed with a single click.
- Executing backup queries automatically during the installation.
- Verifying critical details before proceeding, such as drive name, drive size, .NET version, SQL Server and SSMS installations, and the current username.

This tailored application simplified the entire installation process, reducing the risk of errors and eliminating the need for repetitive manual steps.

The Impact

- The manual installation of the SQL server, which originally took **1.5 hours** per desktop, was reduced to just **30 minutes** with the new application, achieving a **66%** reduction in setup time.

- The automation of manual steps not only saved time but also minimized human intervention, allowing staff to focus on more important tasks.

Overall, the solution improved our client's operational efficiency by streamlining the installation process across multiple desktops.

Conclusion

Database installation is essential for maintaining smooth operations and reducing manual effort. With Ahana's automated solution, our client was able to streamline a time-consuming process, cutting installation time significantly and freeing up valuable resources. The success of this project highlights how automation can directly contribute to operational improvements, enabling teams to focus on more strategic tasks.

About Ahana Systems and Solutions

Ahana Systems & Solutions is a leading IT Infrastructure Management Services and Digital Transformation company based in Bengaluru, India. Our expertise extends to a wide range of solutions, including Cloud, RPA, DB & EDW, BI & Analytics, and Application Development. Our 100+ roster of enterprise clients relies on us for our deep domain expertise, skilled resource base, and proven partnership with the best technology providers.

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