compassites®
digital transformation experts

Case Study

INFORMATICS

Client Profile:

Informatics is the leading and oldest information vendor for journals, reference books, e-books and technology products to the academic and corporate research communities in India, including engineering, medical, management and agriculture colleges, Government funded research institutes, and R&D based corporate. Informatics was founded three decades ago with the intention to pioneer the business of e-information. With the vision of proving itself to be an ever-shining star in the domain of global information and publishing industry, they laid their main focus on scholarly and research articles, the intention was to help scholars benefit from publishing media and help libraries to filter information relevant to the search item and help suffice the needs of the users.

Tecnology Used:

Amazon EC2, Solr

Business Situation:

This system was launched in 1984 in India by sharing global databases with Indian universities through Telex and gradually moved to having a large pool of users as well as databases to manage, Informatics started facing the problem of keeping up scaling up. The key problems faced by the client included non-scalable system that was not yet ready for a global audience. The existing system had a downtime of 4-6 hours per day to update the system. Also the system lacked proper access to subscriptions date wise and lacked a finer way of defining access.

Solution Approach:

Compassites executed a technology solution to help Informatics deal with standing issues. Amazon cloud services was used to improve the processing power and storage, and make the infrastructure scalable. Faceting the search instead of relying on the simple search which provided multiple entry points for the users to retrieve information from the database. Standpoint of search index platform was given importance to in order to make the system scalable as it used sharding to break big chunks of data into smaller manageable indexes, which could be easily retrievable as well.

Benefits & Results:

The solutions provided by Compassites had its evident results as the number of libraries, which was earlier restricted to 1700, now was expandable up to 5000 libraries. Other than this, 32 million records held earlier were now scalable to 100 million records, which could be easily retrieved using multiple entry points. Apart from the existing access definition of journals, now the author name as well as journal time frame could be used to retrieve relevant information, which functioned around the clock without any downtime for updating the system.

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