

CASE STUDY

MICROSOFT AZURE MANAGED
SERVICES SMOOTHS AND
SIMPLIFIES COMPLEX
TRANSITION TO CLOUD.



BOSCH LIMITED MITIGATES BUSINESS RISK WITH INSIGHTFUL MIGRATION ROADMAP TO MEET CORPORATE CLOUD STANDARD.

MATCHING OPTIMUM PERFORMANCE CHALLENGE

As part of enterprise security objectives and regulation adherence such as GDPR, Bosch Limited required a secure cloud solution to cater for its compute and storage needs.

With Microsoft Azure adopted as a global standard for Bosch Group, that shift would bring Bosch Limited in line with the company guidelines. Uday Kumar, General Manager IT, Aftermarket Division at Bosch Limited, says: “We had previously taken managed hosting services from Tata Communications, with which we were very satisfied. Achieving a seamless transition to Microsoft Azure with zero business disruption would be no mean feat.”

The challenge would be one of maintaining high availability while matching the optimum performance that until now was provided by the Tata Communications infrastructure.

MIGRATION ROADMAP REDUCES RISK

An expert, end-to-end service provider for design, implementation and data migration was needed. Furthermore, ongoing monitoring and management would be required along with carefully-considered disaster recovery facilities. Fortunate, then, that Tata Communications had designed its Microsoft Azure Managed Services for circumstances exactly matching the need of Bosch Limited.

“Our eight-year IT infrastructure association had given Tata Communications a deep understanding of our business requirements and our systems landscape, so there would be no learning curve involved,” says Uday. “Given the option of cloud hosting by others, the insightful Tata Communications migration roadmap made the solution the least risky option.”



8-year IT infrastructure association



2-month migration project



Teamwork key to success



1-hour response to major issues

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UDAY KUMAR, GENERAL MANAGER IT, AFTERMARKET DIVISION, BOSCH LIMITED

ABOUT BOSCH LIMITED

A leading supplier of technology and services in mobility, industrial technology, consumer goods, and energy and building solutions, Bosch Limited in India is a flagship subsidiary of the Bosch Group. It runs the largest development centre outside Germany and has grown to 18 manufacturing sites and seven development and application centres.

For more information go to: <http://www.bosch.com/our-company/>

SIGNIFICANT CONTRIBUTION TO ULTIMATE SUCCESS

Tata Communications has over 10 years' experience of the end-to-end management of Microsoft Azure environments, while its global IZO™ Private Connect service provides low-latency links between customer systems and Microsoft Azure data centres.

Uday says: “The Tata Communications professional services team met with us, explained their plan in detail, and discussed options to meet our exact needs. This proactive approach contributed significantly to the ultimate success of the project.”

The Microsoft Azure Managed Services solution covered configuring firewall and server load balancers for application availability, while guidance for storage selection was based on hot and cold data categorisation. Locally redundant storage options would provide multiple copies, while IZO™ Private Connect with Microsoft ExpressRoute would enable data migration and ongoing connectivity.

DATA BACKUP AND DISASTER RECOVERY MEASURES

When it comes to the safety and integrity of Bosch Limited data, the existing systems setup was translated by Tata Communications into virtual machine compute resources at both production and disaster recovery data centres. Azure Site Recovery software manages the switch between the two, while application-aware data backup in Microsoft Azure uses defined schedules for long-term retention.

Data encryption for secure transmission and storage supplements the cybersecurity offered by managed firewalls, which are configured as part of Tata Communications' Microsoft Azure Managed Services.



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EXCELLENT TEAMWORK WAS KEY

In the event, the two-month transition project was highly successful. Excellent teamwork was key. "Tata Communications co-ordinated their activities with our application and technical teams to ensure project timelines were met and business continuity was maintained at all times," says Uday. "Their fast turnaround to all requests was much appreciated."

Bosch Aftermarket division still has a single supplier and single point of contact for infrastructure, migration, connectivity and support. Ongoing management of virtual machines, storage, firewall, backup, Active Directory, operating systems and databases is provided under the Tata Communications Microsoft Azure Managed Services solution.

CLASSIC WIN/WIN OUTCOME

With this exercise completed keeping security as the utmost priority, Bosch Limited now enjoys much greater flexibility and agility along with the high availability and optimum performance assurances it was seeking. Major problems are attended to by Tata Communications within the hour, with hourly updates until the situation is resolved.

Uday concludes: "Migrating safely and securely to Microsoft Azure has brought the business outcomes we were after, while aligning us with the rest of the Bosch global organisation. Meanwhile, Tata Communications has gained the experience of successfully running such a massive migration. So that's a classic win/win for everyone in my opinion."

ABOUT TATA COMMUNICATIONS' MICROSOFT AZURE MANAGED SERVICES

Microsoft Azure Managed Services from Tata Communications is a complete solution that redefines cloud strategy by providing access to the right expertise, infrastructure and control for improved performance and lower total cost of ownership. It comes with an end-to-end service covering design, build, migration, deployment, monitoring and management of the enterprise hybrid cloud. Performance visibility is afforded through a portal showing, among other things, resource utilisation to maximise productivity.

Find out more at: <https://www.tatacommunications.com/services/cloud/cloud-platforms/managed-services-azure/>

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