Data Center Migration Service

24x7 Critical Datacenter Operations

India's No.1 Company in automobiles industry and the leading two wheeler manufacturer. SAP ERP, VMware and Oracle are the main technologies drivers in the client's IT ecosystem. The Company has four manufacturing facilities namely Dharuhera and Gurgaon in Haryana Haridwar in Uttarakhand and Neemrana in Rajasthan.

With over 100 million satisfied customers across the globe, it continues to champion socio-economic progress and empowerment through its range of products and services.

Company Overview

CIT has more than **700** engineers from across the world.

It has a market share of about **37.1%** in the two-wheeler industry

Five manufacturing facilities based at Dharuhera, Gurugram, Neemrana, Haridwar and Halol.

IT Environment

Heavy user of SAP ERP, VMware and Oracle.

1000 servers spread across 3 Datacenter's in North India.

One DR Site on IBM SmartCloud.

CHALLENGES

Support starting right from Solution designing,

To deliver the complete project based on a hybrid model of onsite and remote support.

Liaison with different teams of customer and stake owners from IT

SOLUTIONS

Cost effective, secure and robust steady state system.

Virtualize 80% of the client's IT infrastructure and provided seamless high availability and elasticity of IT infra.

Migrated physical DR comprising of SAP application and Oracle database.

IMPACT

Implemented the solution which was economical for the client

Increased performance and provided a stable and secured cluster environment.

Achieved the higher ROI

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Our customer, wanted us to provide support starting right from Solution designing, Implementation, configuration, fine tuning and thereafter provide 24x7 Steady State Support which could cater to all the needs of an organization spanning 1000 servers spread across 3 Datacenter's in North India and one DR Site on IBM SmartCloud. They wanted us to support critical production application and servers starting from OS (AIX, Windows, HPUX), Network, VMware, IBMTSM, SAP, Oracle database, Messaging and DR.

The solution was to ensure a no single point of failure and automation of IT infrastructure monitoring system. DCM SMEs and Solution Architects designed and implemented the complete solution on a turnkey basis. The other challenge was to deliver the complete project based on a hybrid model of onsite and remote support, for this our PMO (Project Management Office) served as the central nodal point for designing, planning, delivery, Customer liaising and all project monitoring activities.

We also had to liaison with different teams of customer and stake owners from IT infra (Systems, OS, Storage, Network, Security, IBM TSM, SAP, Oracle, VMware and Messaging), business and compliance departments. The expectation from us was high and there was high pressure to meet industry best practices within stringent timelines.

Choosing the right solution and meeting the Deadlines

DCM Infotech "solution architects" reviewed the client's existing IT Infrastructure and thoroughly planned the cost effective, secure and robust steady state system. Implemented HACMP cluster for AIX systems, VIO for virtualization of server resources and NIM for faster upgrades and new builds. We used VMware stack to virtualize 80% of the client's IT infrastructure and provided seamless high availability and elasticity of IT infra. This helped in substantially cutting down the time needed for new builds, application deployments and decreased footprint of physical servers, hence direct cost benefits in terms of energy and space consumption.

Implemented IBM TSM for backing up 450TB of data on to Disk and Tape Library Storage. Also implemented IBM Flash copy technology for speedy data backup over the SAN environment.

Migrated the complete Physical DR comprising of SAP application and Oracle database systems on to IBM Smart cloud using IBM TSM and Oracle ODG for data migration and archive log replication over the WAN network.

Our 24x7 steady state support helped customer achieve their business goals and meet targets. Our engineers work round the clock so that customer has a complete peace of mind.

DCM implemented the solution which was economical for the client. This solution Increased performance and provided a stable and secured cluster environment and helped reduce downtime for the client. Our design and solution helped client to achieve the higher returns on their investments.