



GJEPC Drives Technology Transformation with NTT Global Data Centers and Cloud Infrastructure, India's (erstwhile NTT-Netmagic) SimpliHANA

Requirement

- Existing application environment was monolithic in nature
- Large number of legacy components that made it difficult to scale and add new capabilities
- SAP S/4 HANA and SAP Hybris modules were selected to replace existing applications
- Also needed to ensure high levels of adherence across various parameters such as data security, uptime / availability (99.99%) and DR.

Solution

- Analysis of existing deployments and expectations in terms of service uptime / availability, performance, DR and reporting needs
- Implemented Netmagic SimpliHANA (for HANA workloads) and SimpliVPC (for non-HANA workloads)
- Netmagic SimpliVault for Backup-as-a-Service
- Managed services offerings for infrastructure, OS, storage, network and firewalls
- Netmagic DRaaS for disaster recovery services

Benefits

- Significant cost savings through "Pay-as-you-Use" model for compute, network, backup and storage
- Avoid the burden of day-to-day operations through NTT Global Data Centers and Cloud Infrastructure, India's suite of Managed Services
- Seamless scalability across infrastructure and network resources, with easy provisioning / deprovisioning
- World class performance and uptime / availability (99.99%) – guaranteed!

Customer profile

The Gem & Jewellery Export Promotion Council (GJEPC) was set up by the Ministry of Commerce, Government of India (GoI) in 1966.

It was one of several Export Promotion Councils (EPCs) launched by the Indian Government, to boost the country's export thrust, when India's post-Independence economy began making forays in the international markets. The GJEPC is a core pillar of the Indian gems and jewellery industry. Its members include more than 6,000 gems and jewellery exporters across the country. It is headquartered in Mumbai and has regional offices in New Delhi, Kolkata, Chennai, Surat and Jaipur which are the core centers of the industry in India. GJEPC was accorded autonomous status in 1998. Since then it has grown to become one of the largest and most active Export Promotion Councils (EPCs) in India. In recent times, it has faced enormous pressure to expand its reach, increase the scale of promotional activities and widen the spectrum of services to its members.

Technology decision makers at GJEPC clearly understood the need to improve process efficiency, build greater scalability, create an omni-channel experience for members and take active steps towards digital transformation. It chose to deploy SAP S/4 HANA, SAP Hybris modules and a number of non-SAP applications (such as Solman, DMS, etc.) in a secure, virtualized environment.

What was the requirement?

GJEPC's existing application environment was largely monolithic in nature with a large number of legacy components that made it difficult to scale and add new capabilities. It became imperative for GJEPC to move to a next-generation, scalable and high performance ERP solution, and SAP S/4 was an ideal fit.

For its SAP S/4 HANA and SAP Hybris implementation, GJEPC needed to partner with an established managed hosting and cloud services provider with proven S/4 HANA deployment and management capabilities. GJEPC's partner would be responsible for setting up, maintaining and managing all the necessary underlying environment for hosting the GJEPC entire DC-DR setup, including:

- Implementation of SAP S/4 HANA and SAP Hybris modules in production, quality and development environments
- Datacentre hosting (Tier III architecture) and remote DC management
- Operating System management
- Database management
- Network security management
- 24 X 7 X 365 infrastructure monitoring and management services
- Datacenter migration and data migration from existing setup
- Storage and backup management (including automated backups)
- Disaster Recovery management (with DR-as-a-Service capabilities)

In order to keep costs in control, GJEPC also opted for an OPEX commercial model that included physical servers for HANA database and virtualized environment for non-HANA SAP workloads. Also, to minimize business risk and ensure business continuity, the datacenters would need to be at two different seismic zones, with the primary site at Mumbai. GJEPC selected Netmagic for its extensive capabilities across infrastructure management and cloud services for over 1,500 enterprises across the globe. In addition, as part of NTT Global Data Centers and Cloud Infrastructure, India offers global DC and network capabilities to organizations with international operations.

These applications would initially need to support 150 users, and would need to scale for future needs. Also, since GJEPC is a core component of the Indian gems and jewellery industry, it needed to ensure high levels of adherence across various parameters such as data security, uptime / availability and DR.

The entire application environment for GJEPC was hosted in NTT Global Data Centers and Cloud Infrastructure, India's Mumbai DC5 datacenter (primary site). Netmagic also has all necessary certifications for SAP HANA services and appliances.

Solution

Netmagic performed a thorough study of GJEPC's existing deployments and understood the company's expectations in terms of service uptime / availability, performance, DR and reporting needs. GJEPC expects 99.99% uptime for the Data Center and DR facility. Based on its assessment of the current application environment, Netmagic proposed an optimized solution that included its SimpliHANA offerings, along with backup, DR and managed services (for GJEPC's SAP landscape and other DB / applications). NTT Global Data Centers and Cloud Infrastructure, India's solution consisted of:

- Netmagic SimpliHANA – 4 dedicated HANA servers on NTT Global Data Centers and Cloud Infrastructure, India, SimpliHANA service
- 3 servers running Virtual Machines with SAP applications on Netmagic SimpliVPC virtual private cloud
- Storage that match GJEPC's capacity and performance requirements (Over 21,000 GB of usable storage for SimpliVPC, SimpliHANA servers, HANA DB and app clustering)
- Security to SAP system environment via dedicated FortiGate 80E Firewalls
- 10 Mbps Internet bandwidth, burstable upto 50 Mbps, and redundant connectivity to Internet
- Netmagic SimpliVault Backup-as-a-Service to provide 4,000 GB frontend backup and 5,000 GB backend storage
- SSL certificate
- Managed Services with pro-active monitoring & management of server hardware, SLES OS for HANA, VM OS running SAP applications, storage, network and firewalls

Advantage

GJEPC's engagement with Netmagic resulted in seamless execution of HANA and non-HANA modules across a dedicated pool of physical and virtualized servers within the Mumbai DC5. Since the implementation of the new SAP S/4 HANA and SAP Hybris modules, GJEPC has experienced significant improvements in cost, scalability, availability and performance.

Significant Cost Savings: All compute, network, backup and storage services are provided on a "pay-as-you-use" basis. This ensured that GJEPC did not need to make largescale upfront investments in infrastructure and applications. It also made it easy to carry out upgrades and ramp-up infrastructure as needed.

End-to-end Managed Services: Through a comprehensive set of infrastructure monitoring and management services, GJEPC was able to eliminate the burden of day-to-day operations and focus on core business needs.

Seamless Scalability: Through a virtualized pool of compute, storage and network

resources, GJEPC could quickly provision or de-provision resources, depending on load and usage. Network scalability was provided by 10 Mbps bandwidth burstable to 50 Mbps.

Availability: Netmagic meets and exceeds GJEPC's 99.99% uptime requirements for the datacenter and DR facility.

