

AWS Case Study : Airport Terminal 3 Parking System

“Always received the desired support whenever demanded. A technically qualified team with high level of expertise and always ready to resolve each issues.”

- Vikram Singh
Director – Enterprise Div.
Neptune India Pvt. Ltd.

About Neptune India Pvt. Ltd. (Managing Airport Terminal 3 Parking System)

Established in the year 1989, Neptune India; with over 30,000 plus installations across the country and having a pan-India sales and Support network. Neptune is a known brand in the Power Factor Correction, Energy Management, Harmonic Filtration & Distribution. A leader in the Energy Saving and Power Quality Management sector of India, Neptune India set its foot in the market with a dedicated approach and a strong vision to become a specialist in the field of energy saving.

The Challenge

Parking System at Terminal 3 of Delhi Airport, were facing the following challenges with their existing infrastructure setup;

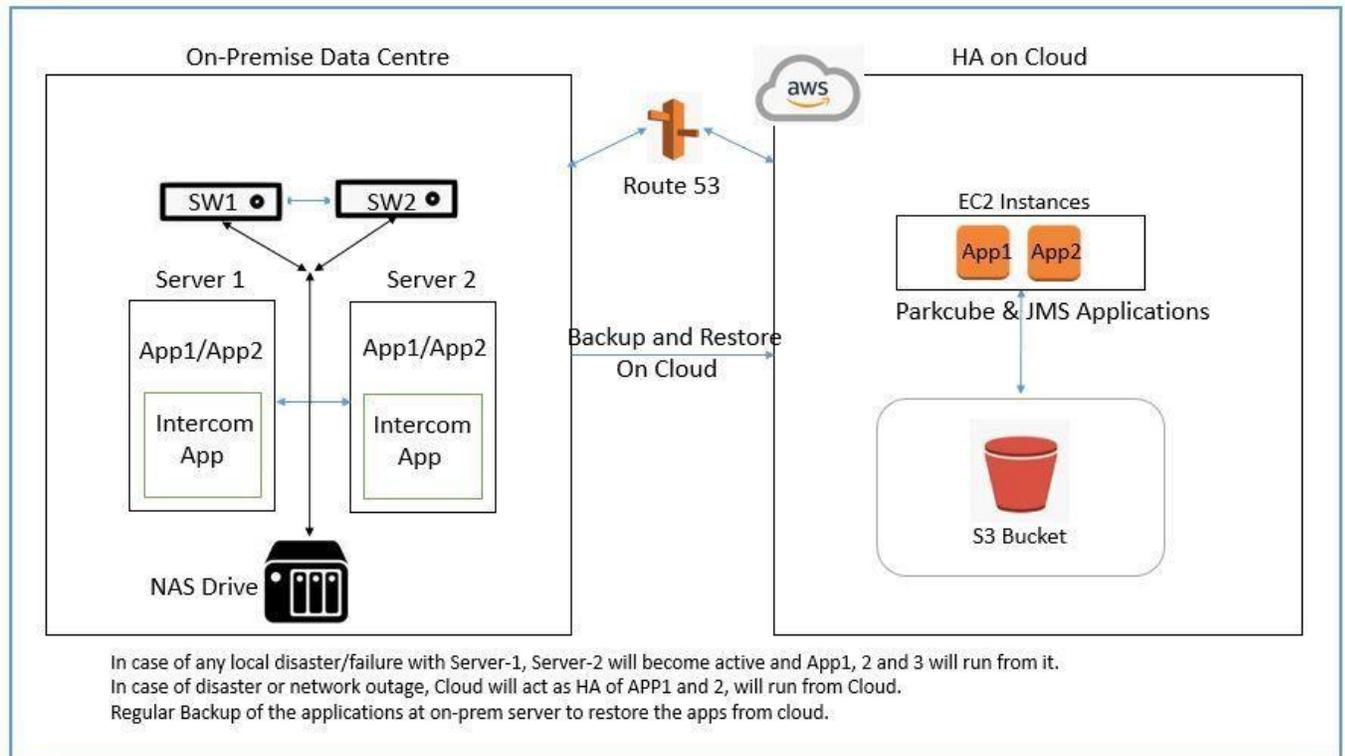
- Existing infra was running on a single server and the other server was of lower configuration and even updates were not getting installed since last 1 year.
- Also, the secondary server of lower configuration was not connected or in cluster with primary server. The first server was connected with only one switch, the oterh switch was kept ideal to be used in future, when required.
- They wanted to connect all the nodes i.e. paybooth etc, with both the switches to have network redundancy to avoid any single point of failure.

Solution provided by Motherson Technology Services on AWS

Understanding the Client requirement, Motherson Technology Services has provided following solutions;

- Secondary server's configuration was increased equivalent to the primary server.
- Primary server was shut-down and latest patches were installed.
- Both switches were configured in High-Availability mode.

- One similar setup on Cloud was also configured, if in case network goes down at on-prem, then the same setup should run from Cloud.
- DNS Switching with the help of Route53 was done to failover and failback from primary to Cloud and from Cloud to Primary Site.



Why Motherson Technology Services

Motherson Technology Services is Advanced Consulting Partner and India's First 'Authorized' Well-Architected partner of AWS. AWS Well-Architected Framework is highly optimized cloud business solution which ensure the optimum cloud architecture. It has been developed to help cloud architects build secure, high-performing, resilient, and efficient infrastructure for their applications. The framework provides a consistent approach for customers and partners to evaluate architectures, and implement designs that will scale over time.

Motherson Technology Services provides array of managed services to support the customer in most efficient manner, some of the key managed services are listed below;

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1. Change Management: Managed Services provides simple and efficient means to make controlled changes in your existing infrastructure.
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2. Health Management: Managed Services monitors the overall health of your infrastructure resources, and handles the daily health related issues and providing inputs (non-application related) for resolving alarms.
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3. Provisioning Management: Managed Services enables you to quickly and easily deploy your cloud infrastructure as per the new requirement within scope.



4. **Patch Management:** Managed Services takes care of all of your OS patching activities to help keep your resources current and secure.



5. **Access Management:** Managed Services provides rigor and control by applying security best practices to your infrastructure.



6. **Network Management:** It includes monitoring and troubleshooting of VPN connectivity.

7. **Reporting:** With Managed Services, you have access to the data we are using to manage your infrastructure.

Benefits of Managed Services



Operational Excellence: Managed Services manages the daily operations of your infrastructure in alignment with ITIL processes. Through monitoring, automation, and self-service tools, Managed Services will keep your infrastructure current and secure, quickly recognize and respond to events, and enable you to easily request changes based on your needs. Simply put, Managed Services manages your operations so you don't have to.



Security and Governance: Managed Services provides standardization for deployments, supports compliance with your internal policies, and is integrated with Trend Micro Deep Security for endpoint protection. Additionally, our operating environment and infrastructure templates adhere to architecture best practices to provide governance, control, and security that are paramount to your business.



Advocacy and Support: With Managed Services, you get access to a dedicated Cloud Service Delivery Manager, as well as all of the benefits of Enterprise Support at no additional cost. While Managed Services becomes accountable for the operation of your infrastructure, you retain control to build and run your applications, and gain advocacy and support to help you focus on innovation.