



INDUSTRY: RETAIL



WINDOWS
MIGRATION ON
AWS



JUBILANT FOODWORKS RETIRED TECHNICAL DEBT AND INCREASED FOCUS ON INNOVATING FOR CUSTOMERS WITH STRONG UPTIME, HIGH AVAILABILITY AND IMPROVED PERFORMANCE

Start Date – 4th December 2018 **End Date** – 19th March 2019



CLIENT OVERVIEW

Jubilant FoodWorks Limited is a Jubilant Bhartia Group Company. The company was incorporated in 1995 and initiated operations in 1996. It got listed on the Indian bourses in February 2010. The company & its subsidiary operates Domino's Pizza brand with the exclusive rights for India, Nepal, Bangladesh and Sri Lanka. It is India's largest and fastest growing food service company, with over 1200 Domino's Pizza restaurants across 271 cities. The company launched Dunkin' Donuts in India in April 2012 in Delhi. It operates over 30+ Dunkin' Donuts restaurants in India. The company is now well poised to address two distinct non-competing segments of the Food Service Industry in India, namely the home delivery of pizza's market and the all-day part food and beverage market.



CUSTOMER OBJECTIVES

- JFL needed a scalable and available solution that adapts to the size and seasonality of their business. When demand for their products/ services took off—predictably or unpredictably—they had to be prepared to handle business demands. Plus, they wanted to explore the advantages of cloud economics by paying only for the capacity they used.
- The business drivers for migrating to cloud from an on-premise setup was
 - Reducing Capital Expenditure (CapEx): JFL with its on-premise IT infrastructure setup needed to procure hardware based on its growing requirements. This included compute, storage, and networking devices. Moreover, organizations needed to retire and refresh hardware as soon as the new hardware is available to take advantage of improved performance and efficiency, which is quite costly.
 - Business Agility: JFL's existing infrastructure was prone to downtime and scaling the infrastructure was a huge challenge.



LANDSCAPE

- The current infrastructure included 60+ Applications hosted on-premise, these applications included Business Critical Application like SAP and OLO, an online restaurant ordering application.
- Approximately 80% of the Infrastructure was Windows: 2003, 2008 and 2012.
- **45+** TB of the dataset included **1400+** Database instances (MsSQL). Creating such a complex dependency map of all these databases with the application was a big challenge.
- **75+** servers were to be migrated from on-premises to AWS.



SOLUTION APPROACH

Our certified architects used the **AWS Well-Architected** Framework for operational excellence, security, reliability, performance efficiency, and cost optimization and implemented a design that scales over time.

- RISC Networks CloudScape was used for Asset & Performance Analysis, IT Benchmarking, Cloud Solution Cost Modeling, Infrastructure Dependency Visualization.
- Post-assessment the focus was to create a network, defining configuration rules, defining tagging conventions & more.
- AWS VM Import/Export was used to easily import the virtual machine images from the existing environment to Amazon EC2 instances.
- AWS Server Migration Service (SMS) was used which automates the migration of on-premises infrastructure to the AWS Cloud. AWS SMS incrementally replicates server VMs as cloud-hosted Amazon Machine Images (AMIs) ready for deployment on Amazon EC2.
- Migration started with the least critical workloads, the User Acceptance Testing (UAT). This helped the client to get the required confidence in moving to the cloud. There onwards, we followed a phased approach for the migration of other workloads. Phases were designed basis application dependency mapping created using RISC Network CloudScape tool.
- AWS Direct Connect was used as this cloud service solution makes it easy to establish a dedicated network connection from on-premises to AWS.
- The architects and engineers did a laudable job of doing the entire migration without any business downtime.

JUBILANT'S CORE BUSINESS IS SELLING. NOT IT. They could take advantage of pre-built services in AWS with Progressive to create a scalable and available solution that enhanced their business performance and Progressive also helped them with IT managed services.

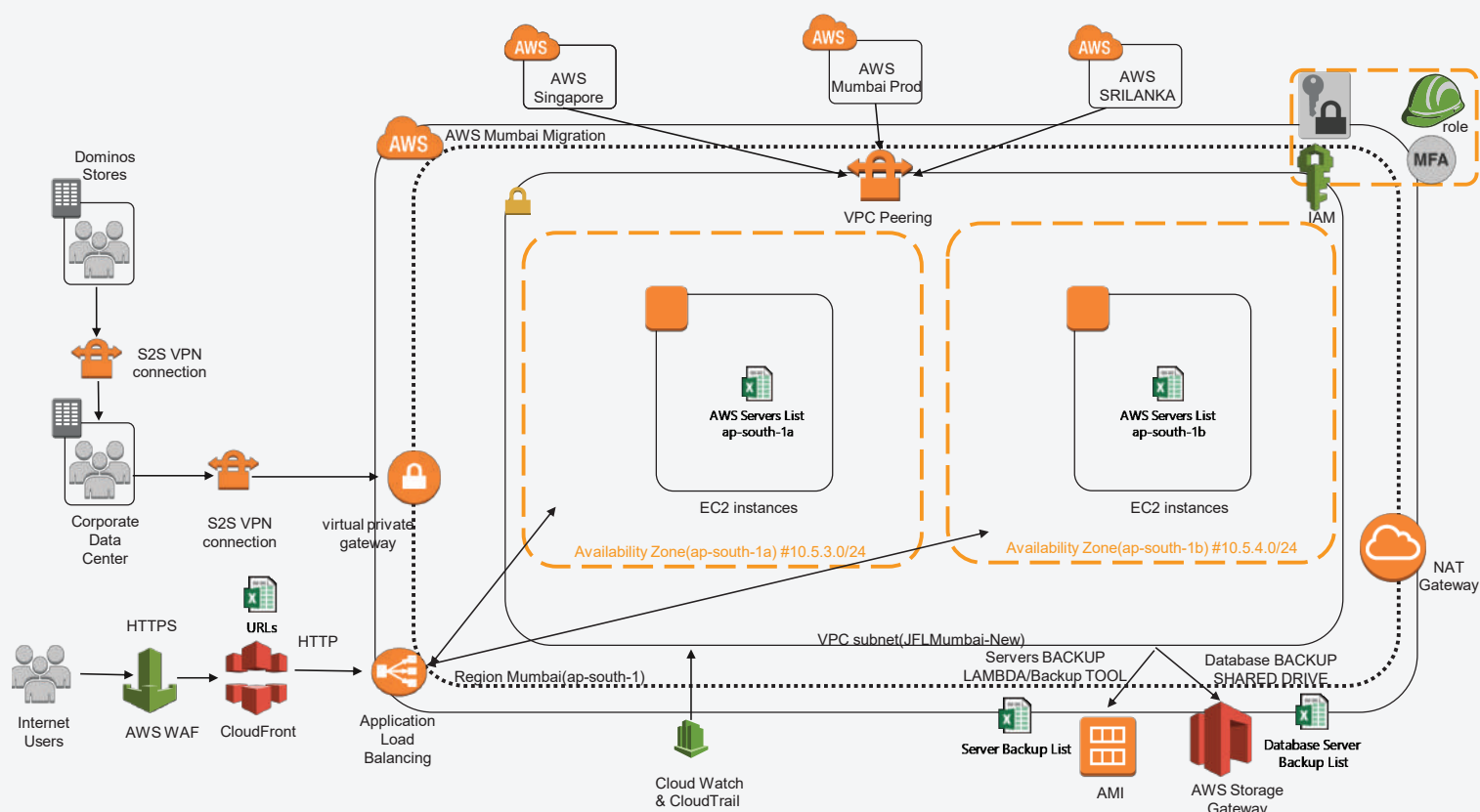


OS PLATFORMS

Windows and Linux



SOLUTION ARCHITECTURE





WHY JFL CHOSE AWS PLATFORM?

- **AWS offers:**
 - o Broader and Deeper Functionality
 - o Greater Reliability
 - o More Security Capabilities
 - o Faster Performance
 - o Lower Costs
 - o More Migration Experience
- **Licensing** can constitute a significant investment when running workloads on a public cloud. To help facilitate the maximum benefit of JFL's existing Microsoft licensing, AWS provided the options to utilize BYOL.
- The **AWS advantage** for Windows over the next largest cloud provider.



SERVICES USED



OUTCOMES

The customer has opted 24x7 managed service support where Progressive Infotech is offering Proactive Monitoring, support, advisory, and management of the infrastructure. As part of the managed service deliverables, Progressive Infotech is committed in providing better customer experience through Alert Management, Security Controls, Infrastructure & Cost Optimization. Server start/stop has been enabled for the required business hours.