CASE STUDY

ERP Application Migration to AWS

About The Client

Sitaram Jewels is a trusted name in diamond and Kundan jewelry. Primarily they are diamond merchants who have a penchant for creating unusual combinations of colored stones and diamond jewelry in a unique setting. They are specialized in designing diamond jewelry and uncut diamond Kundan meenakari jewelry. Their office is located in ITC WELCOMHOTEL, Chennai, Tamil Nadu, India.

Executive Summary

Sitaram Jewels is a trusted name in diamond and Kundan jewelry reign. Their business held complicated data processing schemes which involved heavy numbers and they were maintained in the ERP servers. Initially, the ERP Servers were with 3rd party vendor who was doing maintenance for both Server and Application. Sitaram jewels faced few challenges in application connectivity and the ERP server maintenance with the 3rd party vendor which felt inversely proportional to the productivity and the amount spent. To overcome this situation, Sitaram Jewels partnered with Uniware Systems to simplify the complex task by moving the Business application to Amazon Cloud Infrastructure. By moving to Cloud, Sitaram Jewels are able to improve productivity by constant access to the Amazon EC2 instance.

Challenges

Maintenance Challenge:

Sitaram Jewels had no dedicated resources to maintain IT Infrastructure to resolve the Application connectivity issue and to do server maintenance regularly.

Technical Challenge:

Sitaram Jewels Team faced connectivity issues to access ERP Application Server. The server performance was poor and to access the ERP Application, the solution was not incurred from the 3rd Party Vendor which led to the failure of Application Connectivity and Server Performance.

Solution highlights:

- Quicker migration from ERP server to AWS EC2 instance
- Optimized EC2 environment for server, cost, and availability
- Enabled bucket S3 and Cloud Alarms for VPC logs
- Implementation of VPN server for secure connection

Solution

1. Uniware Systems migrated the ERP application to an EC2 instance running the Windows operating system in the Amazon Web   Services (AWS) cloud. The team together with the customer decided to lift & shift the application to quickly perform the migration. The team optimized the environment for cost, reliability, and performance. The migrated workloads are hosted on EC2 instance, with a Windows Server 2016 as the operating system, and they are configured to support both Microsoft and Business Applications.

2. Uniware team implemented the VPN Server to establish a secure connection to reach ERP Business Application. Uniware recommended a solution to buy Firewall and implemented RDP for secure connection to access EC2, ERP Application. Also to protect the EC2, Uniware implemented Server Security to protect it from the outside world.

3. The VPN Server is deployed in AWS Cloud. With EC2 Service, the bucket S3 and Cloud Alarm service is enabled for the VPC Logs and to have a backup of Database connected to ERP Business Application.

Benefits

1. Uniware Systems was able to complete the migration of windows to the AWS cloud within a short period of time frame. The ERP workload was more responsive and resilient to failure. The client was able to access anytime, anywhere and at any place without depending on the local resources and the Application Vendor.

2. The client is now able to focus on the business development and productivity where their demands are being looked after by Uniware Systems. By establishing a connection using VPN Server and deploying the Windows Server Workload in right-sizing, the Sitaram Jewels were able to establish a connection and accelerate the business operations without worrying about the infrastructure.

3. The Sitaram Jewels' Cloud Infrastructure is now managed by Uniware Systems with regular maintenance by staying up to date on Windows OS and Business applications. The Sitaram Jewels' application and data are at minimal risk. The communication and network traffic in all parts of the application is encrypted for both data on rest and data on transit.

About Uniware Systems

Uniware Systems helps global businesses start and scale their digital business models on Cloud by modernizing IT infrastructure, ensuring backup, security and scalability across public, private and hybrid clouds. With decades of driving innovation, the world's largest companies trust Uniware Systems to deploy our enterprise technology stack to deliver new levels of performance, competitiveness and customer experiences. Learn more about the Uniware Systems, our focus on building technical expertise and customer success at www.uniware.net

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