Fibre 2 Fashion Achieved 100% Uptime For Its Applications By Leveraging Rapyder Managed Services

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Client

Fibre 2 Fashion

Industry

Textile and Apparels

Offering

Managed Services

AWS Services

Athena, CloudFront, CloudTrail, CloudWatch, Config, EC2, ELB, Elasticache, Glue, Guard Duty, Inspector, Kinesis Firehose, Lambda Polly, Route 53, Security Hub, SNS, S3, WAF, VPC S2S VPN

Introduction

Fibre2Fashion Pvt. Ltd. is a market-driven B2B site established in 2000 with the intention of supporting and serving the textile industry. It has been effectively serving all the textile, garment, and fashion segments, with more than 1800 items classified under 13 distinct categories. With global recognition and technical expertise, it has been able to render clear visibility to its clients' products and has helped them to reach the right target customers.

Business Needs

The customer was not satisfied with the earlier partner and was actively looking for a more capable and professional Managed Services offering that could provide them 24X7 support and scale their infrastructure, adhering to the AWS best practices.

The customer wanted to implement an autonomous compute scaling that ensures a 100% uptime for its applications even during the most unexpected rush hours.

Solution Approach

Rapyder is working with Fiber2Fashion to assess its current application and infrastructure landscape and providing managed services 24×7 support with respect to security, cost optimization, patch management, scalability, and infrastructure maintenance.

Next logical move

Well-Architected Review (WAR) is about to start, covering all AWS's core pillars. This would give them a major step up in terms of reliability, cost reduction, security enhancement, operational & performance efficiency, and business sustainability.

Implementation

- AWS CloudWatch is used to continuously monitor the performance and utilization metrics of all servers. CloudWatch log groups are used for streaming logs from different sources is can be centrally kept. Being able to run queries on this large group of data makes this even more powerful in real-time

- AWS Config rules help to evaluate the non-complaint resources and help remediate wherever necessary

- AWS Elastic Load Balancer makes sure it distributes the web traffic equally to all servers and prevents the server identity from being exposed. AWS WAF is the firewall that filters all web traffic before it reaches the Load Balancer and protects from all malicious attempts to infiltrate the web server

- AWS Polly helps them to convert text into lifelike speech. This has enhanced the user experience

- AWS SNS handles all their alert management and is integrated with CloudWatch to send out mails on different event triggers

- S3 is their primary persistent object storage solution, providing them with highly durable and reliable data storage with very little cost

- Athena and Glue are used for high-level data analytics and query processing

Reaping Rewards

- Autoscaling was implemented, which ensured 100% uptime for the applications. This has reduced manual efforts and has brought considerable savings

- Data syncing from their file server to their on-premise server was implemented through a secure S3 intermediary

- Quarterly Cost optimization and Patch management have made sure the resources are kept up to date and optimized in terms of cost and security

- Cost Optimization has helped save nearly 175$ recurring

- Frequent sanity audit keeps unused resources in check and thus saves cost from time to time

- The primary workload is deployed powered by AWS auto-scaling that scales up and down automatically depending on the traffic load