

ABOUT THE CUSTOMER

Founded in 1981, Golden Chicken provides every family in Saudi Arabia and the Middle East with premium quality, tender and tasty chicken products. Its unique and fully integrated production process starts with breeding and ends with packaging and distribution. Through constantly developing its systems and technology, Golden Chicken sustains its high-quality standards and is strictly applies golden formula.

THE CHALLENGE

Golden Chicken has a Sales Integration application called Mira which was faced with the additional complexity of disparate systems with operation, availability, and performance. They found themselves dedicating significant time and resources to maintaining this infrastructure rather than focusing on innovation and revenue generating activities.


THE SOLUTION

Golden Chicken requested Hilal Computers to design a new solution to improve efficiencies regarding their existing infrastructure. As one of a AWS partners certified to conduct a Well-Architected Review, Hilal Computers conducted a Well Architected Review on the current Infrastructure. Based on the findings, Hilal Computers began work to retire obsolete infrastructure and to migrate the organization's on-premises applications.

We worked together with the IT team to assess and evaluate the business and technical side of their current infrastructure to start building the roadmap on how to move forward on their cloud journey.

THE SOLUTION

We designed a solution in AWS with multi-tier architecture then utilized Amazon Elastic Compute Cloud (Amazon EC2) Reserved Instances, Amazon Simple Storage Service (Amazon S3) to store their static objects, Amazon Relational Database Service (Amazon RDS) with Multi-AZ for Database in a highly available managed database service that requires zero maintenance efforts from technical team thus reducing the maintenance overhead drastically.



The network setup was one of the most important aspects to serve the client's requests where Amazon CloudFront was utilized as the first point of contact for all requests which then forwards the traffic for Amazon S3 buckets to serve static content and Elastic Load Balancing to automatically distribute traffic across multiple targets. Hilal Computers team helped Golden Chicken to set up a cloud-native and modernized solution on AWS that was able to solve a critical problem they had on-premises.

OUTCOME

- 99.99% service availability using AWS infrastructure and multi-Availability Zone architecture.
- 35% cost reduction in CapEx and 27% cost reduction in OpEx by adopting AWS cloud
- ROI duration is reduced by 20%
- 24X7 service monitoring with managed services
- Enhanced AWS security posture through Well Architected Review process and security measures applied

AWS SERVICES USED

- EC2
- RDS
- Site to Site VPN
- Client VPN
- S3 Storage
- KMS
- Event Bridge
- CloudWatch
- AWS Backup
- CloudFront
- WAF
- Application Load Balancer
- Contrail Trail
- Config
- Security Hub
- Inspector
- SNS Topic
- SES

CONCLUSION

Golden Chicken is currently expanding their cloud adoption on AWS for their different application to avoid unexpected human errors and operational overhead. Without a doubt, this solution was a rescuer for workloads that required consecutive changes in their running EC2 instances while utilizing a highly available and resilient cloud infrastructure on AWS without disruption. After the migration of Mirna Sales Integration Application to AWS, customers achieved better business outcomes with the faster and efficient solution.

Consult us



+973 1729 3749



consult@hilalcomputers.com

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