Cloetta's Cloud Journey

Migrating Cloetta to their own
virtual private cloud in AWS.

aws partner
network

To meet the demands from Cloetta, Elastic Move assisted in Cloetta's, Infor M3 CE pre-study and carried out the task of migrating some of the most important supporting applications not included in the Infor M3 Cloud Suite, with a goal to move those to a private AWS cloud, parallel to the upgrading of their existing on-prem ERP Infor M3 13.4 to Infor M3 Cloud Suite.

Meeting the Demands of the Market
Cloetta wanted to continue the digital journey in order to meet the needs of the market, with a goal of having the ability to quickly respond to new trends and capitalize on the opportunities. Wishing to modernize factors such as quality control, recipe management, and traceability, by using Infor M3 Cloud Suite architecture.

"In meeting the needs of our market, it's imperative that we have the agility to respond quickly to trends in order to capitalise on new opportunities, and ultimately maximise sales"
- Per Svensson, Cloetta IT director.

However, some peripheral systems, necessary for the operation to run fully, couldn't be migrated into Infor M3 Cloud Suite - making Cloetta realize they were in need of another optimized solution to make sure everything would work and run smoothly without delay. Since around the ERP system, there are always surrounding applications that need some special care and attention in a project and often need to stay as close as possible to the ERP solution to minimize latency issues and need high scalability and flexibility.

Cloetta's Virtual Private Cloud
Parallel to the Infor Infor M3 Cloud Suite project journey Elastic Move established Cloetta's own virtual private cloud, to make sure Cloetta's challenges could be tackled.

The important foundation of this design is a structured AWS account strategy, where accounts were set up to group resources based on environment and purpose. For example, one account contains central shared IT components such as Firewalls, AD, Transit Gateway, and core application environments that are separated into accounts for production, validation and test. All accounts are centrally managed using AWS Organisation and AWS SSO is used to give access to the AWS environment for designated users.

Company:
Cloetta

Industry:
Confectionery; candy, chocolate, pastilles, nuts and chewing gum.

Purpose:
"We believe in the Power of True Joy"

Main Markets:
Sweden, Finland, Norway, Denmark, Netherlands, Germany, and the UK

Employees:
2600

Website:
www.cloetta.com

About Cloetta:
Cloetta, founded in 1862 is a Swedish confectionery and nuts company. with 2600 employees and products sold in over 50 markets worldwide, they're the leading confectionery company in the Nordic region and The Netherlands. Cloetta's long-term target is to increase organic sales at least in line with market growth while being sustainable and delivering great products.

The network design involves Network Load Balancer, auto-scaling groups of firewall instances, AWS Transit Gateway etc, with focus on performance and security. The connection between Cloetta on-prem and the AWS environment is established on an AWS Direct Connect to get a dedicated bandwidth. For file based integrations between Infor M3 Cloud Suite, as well as other SaaS applications—and Cloetta's environments—the AWS Transfer family is used. The authorization is managed by services as API Gateway, Lambda, and Secrets Manager. Patching as well as EC2 instance management, for the application environments, is handled by AWS Systems Manager.

In short, a new Cloetta Virtual Private Cloud Base was established, designed in line with AWS Best practices. By migrating to an AWS landing zone the idea was to create a virtual datacenter, to connect the IT infrastructure of Cloetta to the public cloud, accessing secure SaaS applications. By merging the parts, Cloetta not only improves their whole network systems but also adds extra security, mitigating cyberattacks and intrusions.

Setting up for the Future

By migrating to a Cloetta Virtual Private AWS cloud base, an agile environment was created where it's easier to spin up new servers and keep the excess capacity to a minimum, while also minimizing data movement.

Having infrastructure within AWS makes it possible to future-proof the requirements of placing systems nearby Infor M3 Cloud Suite or other SaaS solutions that can arise, while also giving the possibility of utilizing functions like AI, ML, and other cloud-native options at scale if the opportunity or situation appears.

Looping back to where the journey started and simplifying the need to respond and adapt to a growing market. For example, the Virtual Private Cloud makes it easier to commence and test proof of concept within the cloud. Setting up Cloetta for the future and taking main challenges into consideration, such as traceability, quickness, and new trends—making it possible to use functions like ML/AI to improve these key elements and have a solution when the challenge arises.

Making the benefit, not monetary, but positive progress, adaptation, and preparation to an ever-changing market. Achieving what Cloetta set out for in both network migration and a future-proof Cloud base in AWS where they can utilize all the services provided today and in the future by AWS.