



# The Business Problem and How We Helped

CaseWare International is a global FinTech company. Their SaaS software product "Alessa" provides Banks with a vital screening tool to identify people and organizations who may be potential fraudsters. CaseWare uses sophisticated AI-based search algorithms to search fraud databases that they have aggregated from around the world. Their ability to quickly identify potential fraudsters allows Banks to decide who to look at more closely before taking them on as new customers.

Most Banks are now required by law to do this kind of checking before opening new accounts. So the CaseWare system needs to be very thorough, highly accurate and as fast as possible.

## THE BUSINESS PROBLEM

To ensure absolute security and confidentiality, CaseWare provides every Banking customer with its own segregated and secure run-time area. Initially, CaseWare handled this with its own in-house data center. But as its customer base grew, it could not scale up fast enough to accommodate the growing volume of search requests. So they turned to Centrilogic to help them quickly “Lift and Shift” key Windows and Linux workloads to the more scalable and secure Azure cloud platform.

### WHY THEY CHOSE CENTRILOGIC

“The automated ‘Lift and Shift pipeline that Centrilogic created for us worked like ‘magic’. I was amazed at how much of our system they were able to migrate in just a few weeks. I kept saying: ‘these guys are unstoppable!’. We learned a lot about Azure by working with Centrilogic. They have been great mentors to me and my Team.”

**Corie Murray**  
Chief Architect, CaseWare

### FUTURE-PROOFED CLOUD-BASED ARCHITECTURE

“I think CaseWare really appreciated the knowledge and experience we brought to their team. We created a powerful automation framework using PowerShell Scripting, Azure CLI and Azure DevOps. They had never done that before. We helped them make their CaseWare software architecture future-proof by extending it to the cloud. In addition we got their team to start actively benefiting from an Agile approach to software development, leveraging Azure DevOps, to complete the project. Corie Murray has a great team there, and it was a real pleasure working with them.”

**Alex Turlov**  
Senior Consultant, Centrilogic

# HOW WE HELPED

## THE FIRST STEP

Our consultants worked as integrated members of their in-house SW Development Team. We quickly identified key resources that needed to be migrated to the cloud. These included Windows Serverbased Web and application servers, SQLServer databases and a Linuxbased Elastic search cluster. The Centrilogic Consultants virtualized existing servers and then used PowerShell scripting and Azure DevOps pipelines to create a flexible and automated process of deploying the required resources to Azure.

## "LIFT AND SHIFT" MIGRATION

This tool set was designed to execute an initial "Lift and Shift" migration to the cloud and then let CaseWare easily do future migrations and continuous development themselves. Once the Windows Server and Linux-based workloads were successfully migrated to Azure, and had passed all the necessary tests, Centrilogic ensured they used Azure's high availability and auto-scaling capabilities so CaseWare could smoothly and reliably handle virtually any increase in demand from their clients.

## KEY TECHNOLOGIES USED

- Azure Devops
- Azure CLI
- Powershell Scripting
- Azure Virtual Networks
- Azure Network Gateways
- Windows & Linux VMs
- Azure Load Balancer
- Azure Blob Storage
- Azure App Services
- Redis Cache

