BSOLVE

Moving an application to serverless

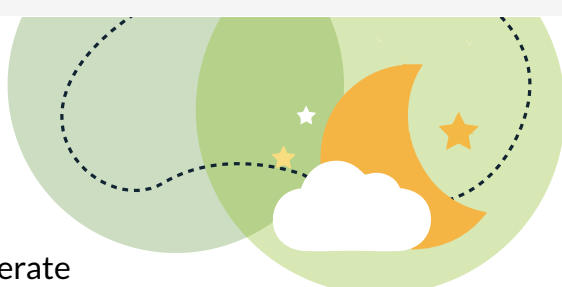How we helped to significantly reduce processing time.

Who did we help?

Citadel Investment Services is a specialist wealth manager which has a 28-year track record of preserving and growing wealth, with over R60 billion in assets under management, a 99% client retention rate and a head count of close to 500.

CITADEL
WEALTH MANAGEMENT

What was the challenge?

The previous server-based system was used to generate tax certificates for clients 3 times a year, during a 2-week processing period. Each time:

• Data was imported from various sources.

• Validation checks were done.

• Tens of thousands of documents were generated.

The primary challenges were:

• The system had to be configured with expensive capacity to be able to generate a large number of documents in a short period of time. This capacity was wasted when not in use.

• Document generation had to be run after hours to prevent it from affecting other operational systems.

The solution

The BSOLVE team worked with Citadel to build a new solution on Microsoft Azure, securely accessible from anywhere.

To enable powerful processing only when needed, the system uses serverless components. These components incur a very low cost to be available for the rest of the year, in case ad hoc certificates are needed.

The successes

1 Cost savings

The use of elastic computing means that Citadel only pays for powerful processing when it's needed.

2 Efficiencies

• Previously manual data verification was automated, cutting verification time by 75%.

• Document generation time was cut by 90%.

3 Security

Throughout, no compromises were made on security, with security-first principles always applied.