

Business Situation

With Centrica moving business applications to Azure it was essential that the cloud platform was secure before doing so. With cyber threats continuing to evolve at an astonishing pace safeguarding migrated Centrica cloud workloads was an immediate priority before considering any migration activities to Azure.

Solution

With **Secure Azure** we applied security solutions to meet the security requirements as mandated by Centrica. The security controls were applied using a combination of services natively available in the Azure cloud platform, and others from third party solution providers such as Barracuda and Trend Micro.

Benefits

By implementing **Secure Azure** all necessary security controls were implemented to provide a secure platform. Using the built-in platform security services and complimenting them with partner security solutions ensured that the Centrica Information Security team were comfortable that the platform was suitably secure.



Background

The **Journey to a Modern Enterprise** is our proven approach to moving customers to Azure. **Secure Azure** is an offering which is part of this approach, built from many years' experience of moving customers to the cloud.

Moving applications and workloads to the cloud is a massive attraction for many organisations, primarily due to the favourable economics which the cloud offers, the ease of deployment, and the flexibility and scale that the cloud provides.

With **Secure Azure** we identified solutions to meet the medium and high security controls which were identified by Centrica.

For each of the security controls we identified solutions to ensure that Centrica could be confident that when workloads were migrated to Azure that they would be secured following recommended best practice.

Read on to understand how we helped Centrica secure their cloud presence by ensuring that their **identity, infrastructure, applications** and **data** remained secure as part of their **Journey to a Modern Enterprise**.



Secured Identity

Identity is now widely considered as the new boundary for security, displacing the traditional network-centric view.

Identity and access management solutions helped Centrica protect access to applications and resources across the corporate datacentre and into the cloud. Such protection enabled additional levels of validation. At Centrica we implemented:

- IAM best practices
- Role-based access controls
- Monitoring of suspicious activities
- Just-in-time access & approval process

Secured Infrastructure

Infrastructure is at the heart of Azure. We helped Centrica detect real-time threats with advanced analytics, while protecting against them by remediating vulnerabilities, and deploying built-in security controls to reduce the overall attack surface. With **Secure Azure**, we introduced the following:

- Infrastructure design & controls
- Platform security
- Advanced threat management
- Resiliency
- Auditing
- Intrusion detection & prevention

Secured Applications & Data

Applications and data are two core components of the Centrica business. Security controls were put in place to ensure that both applications and data were safeguarded and secure. With **Secure Azure**, we implemented the following:

- Provided a highly available app platform
- Safeguarded of cryptographic keys
- Backup and DR solutions
- Encryption of data disks and storage
- Application and infrastructure level monitoring and alerting

Marketplace Solutions

Centrica chose Barracuda appliances to add additional levels of network and application security. The Barracuda offerings for **Secure Azure** are the most mature in the marketplace. We choose to work with (and partner with) Barracuda as their CloudGen Firewalls and Web Application Firewalls are the industry's best solutions and purpose-built for securing cloud-connected networks.

Get in touch!

If you would like to hear more about our **Secure Azure** offering then please get in touch. We would be delighted to help you understand how we can help cloud-power SAP in your organisation.

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