

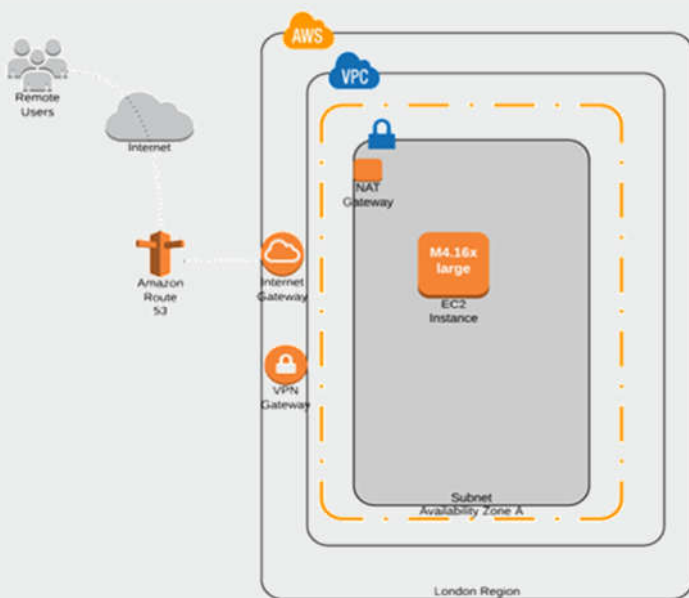
# Data Sheet

## An Ubertas AWS Case Study

### About Blackfords LLP

In March 2017 Ubertas deployed an enterprise class infrastructure solution to meet Blackfords LLP requirements for secure hardware, capable of handling real-time searches across Terabytes of case data using Nuix.

### Solution Architecture



The infrastructure shown sets out one (1) enterprise class EC2 instance consisting of 64 CPU's and 256GB RAM, which was built using CloudFormation.

It was provisioned within a VPC in the AWS London Region, with Security Groups configured to only allow connections through specified user IP addresses.

Users connect through SSL certificate encrypted connections to the server. All public DNS routing is handled through AWS Route 53.

Using AWS Systems Manager, the server is backed up within the time-frames specified to meet the RTO and RPO requirements of Blackfords LLP.

### Technical Highlights

#### Architecture

The M4.16x large instance class was the chosen hardware platform.

Throughput optimised EBS volume easily stored over 7TB of case data to AWS, and with the recent advancements in EBS we were also able to increase the volume size in real time.

#### Deployment

Ubertas used CloudFormation to automatically provision the infrastructure through a 2-step process that initially built the network components, and then the EC2 instance.

AWS instance was initially built using a much smaller class, for the install of the software. Once the project went live they platform it was instantly, and easily scaled to meet the requirements of the production environment.

#### Data Migration

Ubertas utilised AWS Snowball to securely import over 7.5TB of encrypted data to AWS.

The data was stored on encrypted EBS volumes with key management handled by AWS KMS service.

All connections to the server are enforced via both SSL certificate, and IP restricted security groups.