

Infrastructure as a Service (IaaS)

Cost effective, secure, reliable ICT on-demand with transparent costs and no capital investment

At a time when we are all asked to do more with less, cloud computing offers a solution: virtually limitless, cost-effective ICT resources on demand. Pay for what you use, and if you need to add more capacity to handle peak load, add it within minutes. Reduce the need for ongoing and often substantial levels of capital investment and purchase through operating budgets.

No matter how large your company's infrastructure, there never seems to be enough IT resources. New applications compete for attention and investment, and unless you anticipate those needs as part of your IT strategy and plans, you may have to operate without them. Given constantly changing business conditions, you need a way to respond quickly.

Infrastructure as a Service (IaaS), provides your computing infrastructure - typically a platform virtualisation environment - as a service. Rather than purchasing servers, software, data-centre space or network equipment, you buy resources as a fully outsourced service.

The applications that run within the cloud belong to you and operate as if they are being delivered via traditional dedicated IT equipment. Companies retain control of the application but no longer have the concern of managing the availability of the underlying IT infrastructure. IaaS gives you the flexibility to subscribe to the compute power and tiered storage needed today with the knowledge that the service can grow in line with your needs.

Impact of failure to act

- Inability to scale as the business needs increase.
- Increased cost delivering applications and services with an in-house approach.
- Unpredictable and increasing capital investment
- Delays in budget approval and provision of new services.
- Increasing IT staff numbers to support 24/7 systems availability.
- Increasing complexity and reducing SLAs.
- Ever changing DR & BC requirements as new services are brought online.

Business Requirements

For any organisation, any size, your key objectives will be:

- Agility and Scalability
- Performance and reliability
- Reducing operating costs
- Increasing SLAs
- Enterprise grade infrastructure

- ✓ reduce costs
- ✓ improve agility
- ✓ maintain security
- ✓ elastic scalability

The Northgate Infrastructure as a Service

Northgate's IaaS puts your IT assets into the cloud and transforms your traditional server infrastructure into a dynamic environment that enables better utilisation of hardware and more flexible management of demand for computing power. This service gives your workforce access to the infrastructure, applications and data they need to achieve your strategy, and satisfy financial, operational and IT priorities.

Northgate's fully managed cloud offering is a private cloud service delivered on shared infrastructure across multiple centres. The service delivers computing power and tiered storage, which allows for flexible performance and availability, yet still achieves physical and virtual security standards.

Our solution delivers increased cost efficiency, improved flexibility and enhanced resilience. The solution's computing power, data storage and the associated security and connectivity delivers all this without the need for the customer to invest in hardware.

Benefits of the Northgate Infrastructure as a Service

- **High availability** - the solution has been designed to the highest specifications for resiliency to minimise downtime - delivered via separate data centres.
- **Efficiencies** - the underlying technology focuses on maximising the utilisation of computing power and disk storage resulting in less wasted resource.
- **Modular growth** - buy only what you need today knowing what you need tomorrow can be provisioned in a timely manner as and when you need it.
- **Adaptable** - new servers and applications can be quickly rolled out as the needs of the business change.
- **Secure** - backup and recovery processes are streamlined with data replicated between data centres.

Testimonial

"Northgate is providing NSPCC with a utility computing model. In essence we have in place a 'pay as we use' system which allows the NSPCC to accurately predict usage and to control costs. I am confident that over the next five years the NSPCC partnership with Northgate will allow us to optimise our use of technology and in doing so help us to work towards our main aim – ending child cruelty."

Phil Reed, CIO, NSPCC