

Faster data decisions and better responses with minimal fuss

Edge computing is a model that is being adopted rapidly, particularly for companies involved with IoT, high performance applications and distributed computing. When your need for better remote performance is growing, moving storage and processing power closer to the point of request makes a lot of sense. What's tricky is identifying what distributed infrastructure to use, and how to deliver it in a controlled way. That's where SmartData Edge from Nephos comes in.

Computing and storage right where it's needed

SmartData Edge is ideal for:

- ✓ Any system which requires high performance computing near the point of request. In industry, this can be oil/gas drilling platforms, logistics companies that need to manage the onboard operations of their shipping fleets, and engineering functions in smart factories.
- ✓ IoT devices that gather and process information instantly. Think biometric recognition and home automation systems.
- ✓ Applications that demand low latency, like gaming, where immediate responses are needed.

The days of dial-up modems and long waits for pages to load are long gone. Now, users are impatient with any delays and expect immediacy. While the cloud has huge and varied benefits, when a user is a long way away from it, data can take a short but noticeable time to travel from user to cloud and back again.

If your business would benefit from quicker insights and responses nearer to the data source then edge computing is for you. By decentralising computation and data storage and bringing it closer to the point of request, edge computing reduces latency, delivering those instantaneous responses.

Because data doesn't have to travel so far, bandwidth usage is reduced as requests are handled locally on the edge of the network, not centrally in the cloud. Storage is reduced too, as edge data is often stored on local or user devices (e.g. unlocking a phone via fingerprint).

Delivering performance and simplicity at the edge



FASTER RESPONSE TIMES

Decentralised nodes means requests don't have to travel as far, resulting in quicker transfer rates and lower latency.



REDUCED NETWORK BANDWIDTH

When requests are handled close by, you use less bandwidth, compared with having to reach a central or cloud server.



A MORE CONSISTENT EXPERIENCE

SmartData Edge delivers consistent performance across all edge sites, with built-in failover.



SIMPLIFIED IT OPERATIONS

SmartData Edge simplifies IT ops management at multiple endpoints, with an easy plug-and-play solution.

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What can you achieve with SmartData Edge?

- ↑ **80% – Faster Provisioning.**
- ↓ **60% – Total Cost of Ownership**
- ↓ **55% – Less Power Used.**
- ↓ **50% – Reduction In Management Overhead.**
- ✓ **Technical simplification**
- ✓ **Capability gains**
- ✓ **Operational and commercial efficiencies**
- ✓ **Predictable pricing model**
- ✓ **Easy scaling and capability expansion.**

More reasons to move to the edge:

Fully customised

We consult with you to determine and understand your organisation's operational needs, infrastructure and financial parameters. Then we create a SmartData Edge solution that's 100% tailored to you.

Scalable

Adding new edge sites is straightforward: simply replicate the setup, plug in and play. There's no need for high tech personnel on site as everything is managed centrally. SmartData Edge gets you to market faster, at lower cost than other models.

Reliable

SmartData Edge has built-in failover provision, so that users can access your services without any interruption. If one edge node fails, SmartData Edge switches seamlessly and automatically to alternate nearby nodes

Low storage requirements

With edge computing, it is possible for data ownership and storage to rest locally or with users (on their devices), instead of being stored centrally by the service provider.

Secure

Encryption is provided at each edge node. We also make provision for data that might be transferred across the distributed network, before being synced with the cloud.

Full turnkey service

Your SmartData Edge service will be pre-tested, pre-built and ready to go. All you'll need to do is plug it in. Your new site or application will be up and running impressively fast.

Why trust Nephos?

Nephos takes a holistic view of the business, technological, financial and operational contexts of your data. We are not tied to recommending certain vendors - instead we provide the most appropriate advice and best possible value to our clients.

Nephos was one of the first companies in the UK to specialise in object storage solutions, back in [year]. We have delivered 50+ use-case-based object storage projects, ranging from 5TB to 10PB - and have deep knowledge of and real world experience in the ecosystems that support these deployments.

You may also be interested in:

Nephos SmartData Strategy

Identify and get the most from your company's valuable data by storing and using it smartly. SmartData Strategy helps you turn your data challenges into opportunities and competitive advantages.

Nephos SmartData Governance

Data governance as a service: A gap analysis of your entire data security profile. This helps businesses accelerate migrations and reduce migration risk.

Make object storage work for your business. Contact us today.

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