

VIRTUAL DATA CENTRE (VDC)

THE POWER OF THE MODERN VIRTUAL DATA CENTRE AND NODE4 EXPERTISE, COMBINED.

NODE4'S VIRTUAL DATA CENTRE SERVICE (VDC) IS BUILT ON THE LATEST CLOUD TECHNOLOGY, PROVIDING A MODERN INFRASTRUCTURE AS A SERVICE (IAAS) PLATFORM DELIVERED FROM OUR OWN UK-BASED DATA CENTRES.

OUR ACCREDITED MANAGED SERVICE TEAM ARE ON HAND 24X7, GIVING VDC A WINNING COMBINATION OF AN AUTOMATED, SECURE AND HIGHLY SCALABLE PLATFORM SUPPORTED BY TRUSTED, EXPERT STAFF.

Node4's Virtual Data Centre is secure by design, meeting strict ISO 27001, 27017 and 27018 controls. Robust security is fundamental to the service, which is why we provide DDoS protection, firewalling and secured instances at no additional cost. We also ensure data at rest is encrypted as standard, and all backups are ransomware protected on immutable storage.

We're passionate about giving our customers value for money – that's why VDC is designed to provide the cost efficiencies of Public Cloud, without the unpredictable costs and micro-billing. VDC offers a sensible approach; we offer free Internet Bandwidth*, network services and an hourly consumption model which only charges for infrastructure when it's in use.

VDC is powered by industry standard virtualization and supported with high performance SSD storage, networking and computing platforms. The service also offers baked-in data protection, with self-service options for backup and disaster recovery replication services across diverse UK data centres.

VDC can also help with pre-configured managed services, covering patching, monitoring, security and operational support. This also includes the most popular database platforms managed 24x7 by us, to reduce your support overhead.

KEY BENEFITS

-  **Secure by Design**
ISO 27001, 27017 and 27018 certified with security at the heart of the platform and protection from malicious activity.
-  **Self Service**
Build a complete Data Centre with Compute, Network, Storage and Services all available on demand.
-  **Sensible Consumption Billing**
Pay only for what you use - save costs when services are not in use.
-  **Geo-Resilient Regions**
VDC is available in three UK regions to provide DR and business continuity.
-  **Easy Migration**
Powered by industry standard virtualisation ensuring risk-free onboarding.
-  **Alternative to Public Cloud**
Our VDC provides an independent, cost-effective alternative to public cloud service providers.
-  **24x7x365 Managed Services**
UK based Operations team delivering class leading customer support.
-  **Cost Effective**
Benchmarked pricing lower than Public Cloud, with free network services helping to drive down operating costs.

Our customer partnership approach bridges the gap between operating unaided in public cloud and the costs of training and certifying support teams.

Self Service

We understand that our customers need to react quickly to changing business requirements, which is why we have automated all the VDC infrastructure services and provide customers access to make real-time changes. Whether it's spinning up new infrastructure or configuring a firewall, everything is under your control.

Compute Instances

A range of pre-selected instance sizes are available at various price / performance points. These include:

- General purpose
- Compute Optimised (CPU intensive applications)
- Memory Optimised (Ideal for databases)

Storage Tiers

Managed Disks are provided from our SSD storage platform, with a Performance tier (8 GiB to 8 TiB virtual disks) and Capacity tier (32GiB to 8TiB virtual disks). VDC also includes an object storage option.

Secure Storage

VDC provides a secure environment for all client data. Storage is encrypted at rest and all backups on VDC are protected by immutable object storage as standard.

Cost Effective

Consumption-based billing ensures that customers pay only for what they use when they use it - scaling up or down is always under customer control.

Customers who have used public cloud services will be immediately familiar with our environment.

Simple and Clear Billing

Our Monthly charges (based on consumption) are finance friendly, with informative invoicing showing consolidated Compute, Storage, Network, Licensing and Managed Service combined with a detailed usage report for operations.

Licensing

Licensing for Operating systems is selectable for the instance type for a range of technologies, including Microsoft Windows & Linux options.

A wide range of Microsoft productivity application and database platform license are also available. The licensing catalogue is continually extended and updated.

Integrated Connectivity

We own a dark fibre network connecting our data centres with Points of Presence in key areas, as well as providing a huge range of connectivity services. They ensure that customers large and small can integrate their communications and cloud strategies.

Virtual Private Networks

Simplify remote connection into the Virtual Data Centre with managed Site to Site VPNs.

Managed Services

Managed services give our customers deeper access to our expert teams and provide vital peace of mind, with Node4 taking on key responsibilities and delivering the expertise to manage your environment and services.

Our core offerings are:

- Managed SysOps: providing end-to-end support of your VDC environment, covering patching, monitoring and support of your VDC services.
- Managed DataOps: provides specialist DBAs to manage Databases and Data Platforms 24x7.
- Managed SecOps: provides a range of services including a managed SOC and Penetration Testing.

We also offer a range of consulting services to support your cloud journey, covering migration into VDC and onward assistance with modernisation.

Integrated Data Protection and Disaster Recovery

VDC includes options for backup and replication services, which ensure short term data protection and business continuance in the event of a major system failure. Backup and DR is built on enterprise class products, maintained by the expertise of Node4 engineers and supported 24x7x365.

Public Cloud Access

Hybrid cloud solutions are easily deployed with ExpressRoute or Direct Connect via Node4's presence within Equinix Cloud Exchange (ECX). We also offer our own Azure Hybrid Stack region for customers that wish to integrate their own private cloud with an independent Azure stack.

VDC Access Security

Multi-Factor Authentication (MFA) is utilised to ensure that access to deployment and management facilities is tightly controlled to appropriate customer staff only.

Physical Security

Our service is delivered from state-of-the-art UK Data Centres operating on the highest level of physical security.

Security Integration

Virtual Data Centre is built to integrate with our existing security portfolio, including our Dark Web Scanning, Edgescan and our Security Operations Centre to provide full, comprehensive and robust protection.

*Subject to Acceptable Use Policy