CLOUD INFRASTRUCTURE AND SERVICES
Easy To Use, Comprehensive Cloud Platform

Node4's fully redundant Cloud platform based on enterprise class technologies from VMware, Cisco, Veeam and NetApp has been designed and built by our industry experts in virtualisation, infrastructure, storage and networking to provide a resilient solution. Customers have the option to choose from Node4's Shared, Private, Managed Public or Hybrid Cloud, depending on business needs.

Node4's Cloud solutions are Cisco CMSP certified, designed for continuous service availability and are supported 24x7x365 by our expert engineers. Our Data Centres in Leeds, Northampton and Derby utilise hardware and network connectivity, dual power supplies from diverse feeds and UPS and generator backup.

As we own the infrastructure and have in-house expertise, we are able to be extremely flexible to meet customer requirements.

Whether a single development server, a load balanced web server farm or a comprehensive virtualised data centre environment is needed, we have the solution.

Additional Cloud solutions include:

- Database Management
- NPSaaS (Netapp Private Storage as a Service)
- Office 365 (Backup and Disaster Recovery)
- CaaS (Containers as a Service)
- Disaster Recovery and Backup
- Low latency private connectivity into Azure, AWS, and other Public Clouds from Node4 network
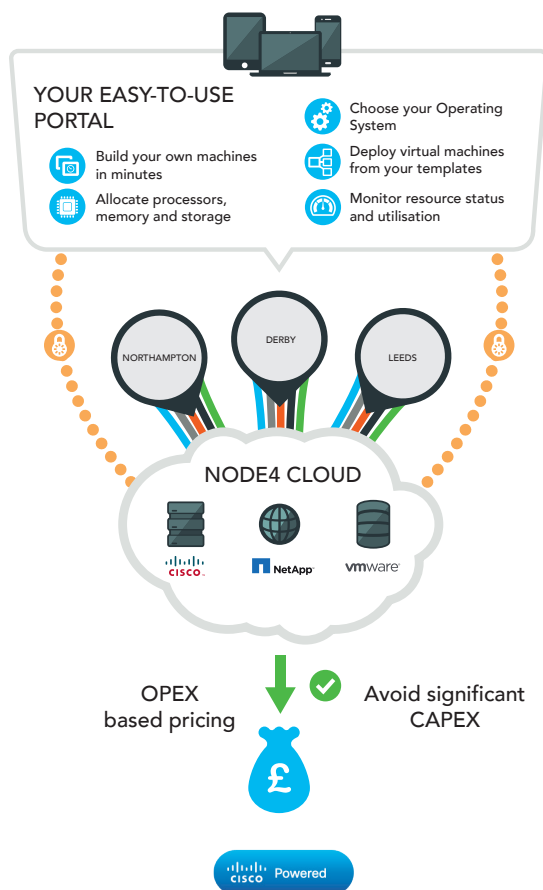
KEY BENEFITS

✓ **EASE OF USE**
Use our self-service web portal to manage your virtual platform, including provisioning of virtual machines and restore of data from backups.

✓ **SECURITY**
N4Cloud resides within our state-of-the-art Data Centres which have ISO 27001 security accreditations. Optional multi factor authentication secures access to management of your environment.

✓ **COST**
OPEX based pricing allows you to deploy your virtual environment and benefit from the latest technologies without making significant capital investment.

✓ **SPEED**
Fast provisioning allows you to respond to unexpected or seasonal surges in demand without needing to over-contract to cover peak periods.

YOUR EASY-TO-USE PORTAL

Build your own machines in minutes
Allocate processors, memory and storage
Choose your Operating System
Deploy virtual machines from your templates
Monitor resource status and utilisation

NORTHAMPTON   DERBY   LEEDS

NODE4 CLOUD

CISCO   NetApp   vmware

OPEX based pricing   Avoid significant CAPEX

£

Cisco Powered

For more information on Cloud services or other products and services we offer please call our Sales Team today: 0845 123 2222 or email us: info@node4.co.uk

Enterprise Class Infrastructure

Business Critical Infrastructure
N4Cloud solutions benefit from enterprise-grade technologies including Cisco UCS, VMware vSphere, NetApp storage, Zerto and Veeam.

Faster application deployment
The Cisco and VMware combination is optimised for fast application deployment with fewer points of management and flexible resource pools.

Improved performance & availability
VMware vCenter allows live migration of VM guests from one host to another to provide high availability services in the event of a hardware failure. This also means that almost all maintenance can be performed without affecting your environment.

Cost effective & efficient
A radically simplified, stateless system and enterprise grade software allows us to offer you an industry leading solution at a very competitive price point.

Security

Secure Platform
N4Cloud is delivered from our state of the art UK Data Centres which operate the highest levels of physical security. Perimeter security fencing, PIR sensors, strict access policies, zonal swipe card systems, 24/7 manning of all sites and extensive CCTV coverage all ensure that the platform is protected from intrusion at all times.

ISO
We are certified as ISO 27001 Quality Management compliant which ensures that our customers receive consistent and high quality service, and is critical for delivery of Cloud services.

Resource Consumption Control

Self-service web portal
Access your catalogues and virtual data centre through an easy to use, intuitive web portal.

Role based access control
A flexible role-based access control model allows you to give your users different levels of access.

Quotas and lease times
Set quotas and lease times to limit consumption to a prescribed quantity or timescale.

Dashboard
Graphical interface to quickly and easily see your resource allocation and machine status.

Email notifications
Get alerts on machine failures or when you are running out of storage or memory.

N4protect Virtual Firewall

Secure your perimeters
Provision your edge security with IP address, port or protocol based access control rules and manage NAT to and from your virtual environment.

Site-to-site VPN
Configure your SSL VPN security with 256-bit encryption to protect your data as it is transferred across the virtual data centre perimeter.

DHCP pools
Automate IP address provisioning by configuring your DHCP address pools, lease times and dedicated IP addresses.

Fast & Simple Provisioning

Rapid deployment with vApp templates
Rapidly deploy virtual machines with vApp template, which capture compute, storage and networking requirements.

Snapshot and revert
Simple and fast snapshot and revert functionality enables your destructive testing and the rollback of upgrades/updates.

Efficient provisioning from clones
Using VMware's cloning technology you can clone a vApp into your catalogue and re-utilise the template to provision quality controlled machines.

Resilient & Flexible Network

Dedicated high quality Internet
A dedicated Internet connection means that there are no transfer fees for you to pay making it easy to predict your costs.

Self provisioning virtual network
With VMware vSphere Distributed Switch you can configure, monitor and administer virtual machine access for your entire Virtual Data Centre.

Multi-Tier Netapp Storage

Tier 0+
SolidFire Flash SSD storage for ultimate performance workloads with guaranteed level storage IO performance.

Tier 0
Flash SSD storage for extreme performance workloads.

Tier 1
SAS disk with SSD cache for high performance workloads.

Tier 2
Traditional SAS storage for less demanding workloads.

Tier 3
SATA storage for archiving of data.