

**NODE4**

Empowering business to do more

# CLOUD PRODUCT PORTFOLIO

# INTRODUCTION

As an independent Cloud Service Provider, Node4 offers a portfolio of services from our wholly owned Tier3+ class data centres in Derby, Wakefield, Northampton and Edinburgh.

Points of Presence (PoPs) exist in London and Manchester, along with connection to Equinix Cloud Exchange (ECX) for connectivity to public cloud services from the major providers.

Additionally, Node4 offers hybrid cloud and multi-cloud expertise as part of our cloud gateway capability facilitating integration with the major public cloud providers either between Node4 and the public cloud or between public cloud providers.

Node4 occupies a leading position in providing our Microsoft Azure Hybrid Cloud service allowing customers to take advantage of an Azure managed platform within a Node4 region.

This portfolio of Cloud capability ensures that Node4 are unchallenged as the independent cloud service provider of choice.

# WHAT CAN NODE4 OFFER?



## INFRASTRUCTURE AS A SERVICE (IAAS) / PLATFORM AS A SERVICE (PAAS)

Node4's original cloud product is a high-performance shared Infrastructure as a Service (IaaS) platform. It delivers Virtual Machine instances backed by enterprise class firewall and security services, internet and multi-cloud access, backup and geo-resilience, all underpinned by enterprise grade storage in a range of performance capabilities.



## PRIVATE CLOUD

The wider Node4 ecosystem provides dedicated instances of our standard Infrastructure as a Service (IaaS) platform for customers that wish to isolate their cloud platform. No sharing of compute, storage or East-West networking resources takes place.

This variant of service is applicable to customers with specific requirements in terms of compute, storage or licensing capability. For example, a customer may wish to create instances of virtual machines with massive memory configuration that aren't appropriate in a shared environment, or may wish to harmonise hosting hardware with licensing constraints.

As our private cloud platform is based on precisely the same architecture as our shared IaaS platform, this is a highly efficient means of delivering customer specific cloud services.



## AZURE HCI STACK

This service provides an Azure HCI stack service to customers as a Node4 hosted platform, based on Microsoft Hybrid technologies to integrate the Microsoft Azure Public Cloud with a customer dedicated Azure Stack HCI infrastructure, housed within a Node4 Data Centre.

This is a highly granular service consisting of clusters of hardware nodes and services as required by the customer and delivers an Azure experience independently of Microsoft Azure hosting.



## VIRTUAL PRIVATE CLOUD

Node4 provides a multi-tenanted virtual private cloud environment to deliver the cost effectiveness of a shared cloud. This is then allied with the segregation of cloud resources normally associated with a private (dedicated) cloud.

Virtual Private Cloud (VPC) is a consumption-based cloud product that customers with fluid cloud resource requirements can utilise to align costs most closely with cloud utilisation.

Backup as a Service (BaaS), Disaster Recovery as a Service (DRaaS) and Advanced Cloud Security are integral to the Virtual Private Cloud service.



## DISASTER RECOVERY AS A SERVICE (DRAAS)

Disaster Recovery as a Service from Node4 continuously replicates VMware, Virtual Machines at the hypervisor level. DRaaS can copy to our secure cloud from either another Node4 Public Cloud, a Node4 Private Cloud or the customer's own VMware environment whether that is on-premises or collocated in one of our Data Centres.

Hypervisor level replication is less complicated than application-level alternatives. The service is storage agnostic, removing the need to buy or maintain specific hardware to protect your applications.

Continuous replication using a 5-day journal delivers a potential Recovery Point Objective (RPO) of seconds and Recovery Time Object (RTO) of minutes. This enterprise grade protection provides peace of mind that your applications are protected.

By leveraging our enterprise class Cloud infrastructure and Zerto's industry leading software, we can offer this extremely powerful DR solution at a fraction of the price of hardware-based solutions performing at a similar level.

An OPEX pricing model means customers only pay for what they need with no upfront hardware costs and no need for overprovisioning. Node4 charge a standby rate when you aren't in failover mode, so you only pay full price when utilising the service.



## HYBRID CLOUD SERVICES

Node4's expertise in hybrid cloud deployment and public cloud onboarding projects provides customers with an opportunity to accelerate and streamline their projects, whether public or hybrid cloud.

In addition, Node4 can provide cloud cost optimisation services that effectively drive down cost and pay for themselves from a customer perspective.



## CLOUD MANAGED SERVICES

Node4 provides a range of cloud and on-premise managed services, supporting customer operating system, hardware and application software environments.

Customers requiring a package of managed services that drive down costs and increase IT support service capability within their business can take advantage of our extensive portfolio, which includes but is not limited to:

- Anti-Virus
- Backup
- Break/Fix
- Helpdesk
- Server Monitoring



## **CLOUD READINESS CONSULTING SERVICES**

Node4 offers a portfolio of cloud-oriented consulting services, which include sophisticated discovery services. They extend beyond simple agent-based resource reporting to incorporate human level fact-finding across the business, resulting in a fully formed report tailored to feed into the customer's IT strategy or key transformation projects.

Consulting services like Node4's FastFind can deliver expert assistance by delivering a complete or partial Cloud Adoption Framework, an essential part of any customer's journey to the cloud.



## CLOUD SECURITY

Customers operating their business within any of our cloud services are assured of state-of-the-art Next Generation Firewall services, underpinned by enterprise class Fortinet edge protection hardware. Our Protect+ service delivers a full range of protection features as standard, along with optional anti-virus, intrusion protection and custom reporting.

Coverage doesn't end there - individual virtual machines instances can be protected with our deep security bundles. Virtual machines are the most important endpoints to maintain data and system integrity, so it's essential they be provided with substantial and comprehensive protection specifically tailored to the cloud environment.

Node4's Cloud Security utilises technology to provide layered protection for four key areas of cloud, Anti-Malware layer combines anti-malware with behavioural monitoring and web reputation features ensuring servers and applications are secure from threats such as ransomware.

Customers concerned about cloud security at any level should contact Node4 to establish how an industry-leading security stance can be achieved.





## CLOUD BACKUP

Node4 is proud to be a platinum level Veeam partner, with our internal backup systems powered by their industry-leading data protection services. This provides our customers the level of coverage their data demands.

This capability is extended out to customers requiring an off-site repository for customers adopting the 3:2:1 philosophy of backup. Three copies of data in two locations with at least one different media type.

Node4 is a major Cloud Connect provider for Veeam consumers, providing a simple, cost-effective repository services for Virtual Machines, physical server and workstations.

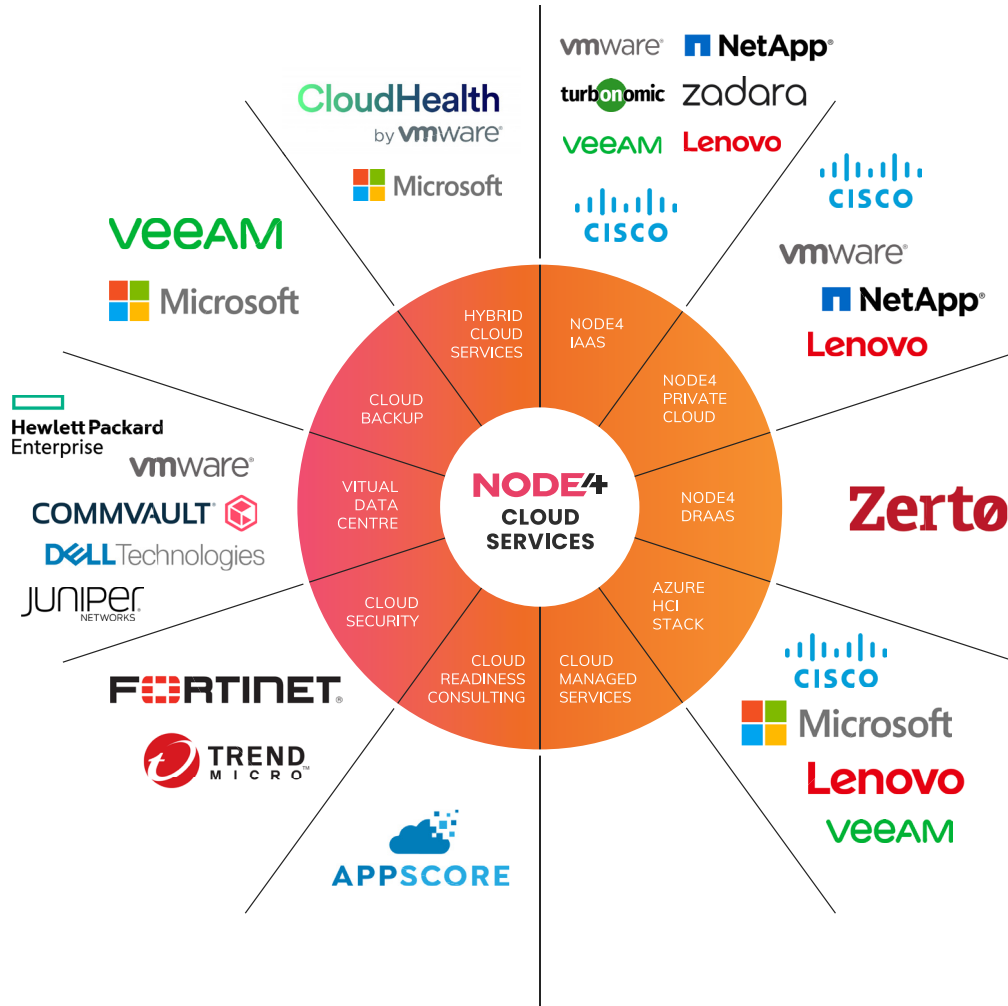
In addition, Node4 offers a managed Microsoft 365 backup service that ensures customers can guard against malicious or accidental deletion of vital data embedded in the customer's Microsoft 365 environment.



**CONTACT YOUR ACCOUNT MANAGER TO DISCOVER WHAT NODE4'S EXTENSIVE AND TRANSFORMATIONAL CLOUD CAPABILITIES CAN DO FOR YOUR BUSINESS.**

# PARTNERSHIPS

Node4 works with best-in-class data technologies to deliver industry-leading solutions to our customers:





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