



Empowering business to do more

# Empowering Your Business to Do More

We provide unparalleled end-to-end IT infrastructure and services, technical expertise and innovation to help drive your business forwards, all delivered with Exceptional Service as a Standard.

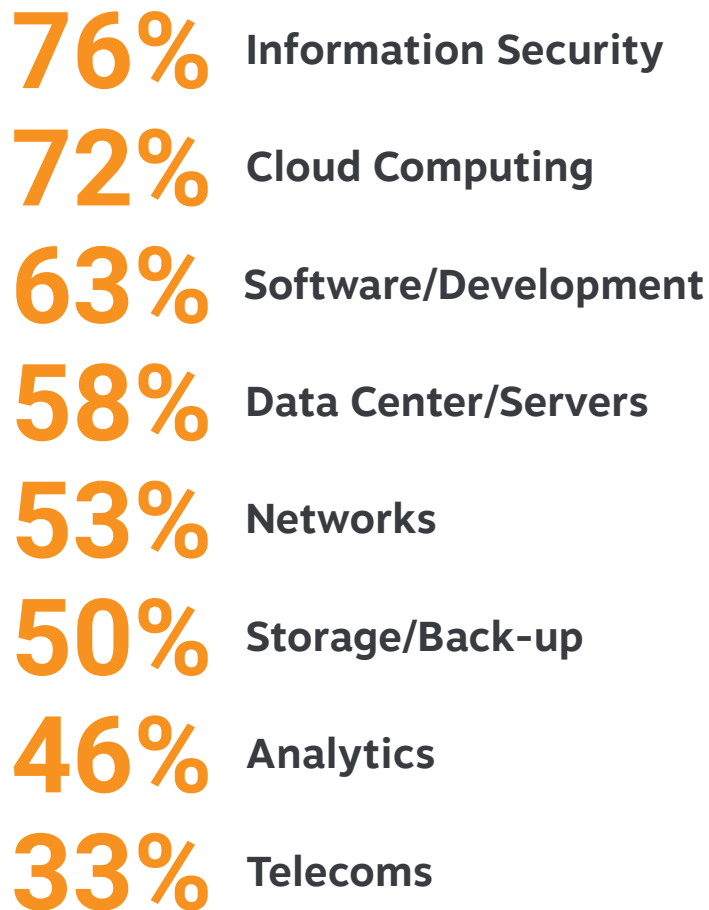
**Welcome to Node4.**

# Technology is a Growth Driver

**We've all seen businesses rethink their business models to embrace technology, to meet the changing needs of their customers, partners and workers, and leave their competitors behind. They're delighting their customers, making operational cost-savings, while at the same time managing the risks around evolving technologies.**

At Node4, we recognise that technology can empower your business to do more (so much so we've made it our company strapline). We're here to help you identify the IT infrastructure and services that will transform your business, as well as design, integrate and manage those end-to-end solutions for you. [Click here](#) to contact us about your requirements.

# Technologies That IT Leaders Are Investing in



The background features a dark grey gradient with a faint, isometric illustration of a cloud infrastructure. A large cloud in the upper right is labeled 'PUBLIC CLOUD'. Below it, a large cube is divided into sections labeled 'SERVICES', 'SECURITY', and 'INFRASTRUCTURE'. At the base of this cube, the text 'EXCEPTIONAL SERVICE AS A STANDARD' is visible. To the left of the cube, there are smaller icons representing a server rack, a multi-story building, and a smartphone. Dashed lines connect these elements, suggesting a network or service flow.

**NODE4**

**“By connecting to our Services Gateway, your business will benefit from accessing our entire infrastructure and solution portfolio.”**

# Our Broad Portfolio

We're here to help you address your IT priorities with our broad portfolio of end-to-end solutions:

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# Connectivity

**In today's digital world, your business must always be 'on'. Stay connected with our high speed, resilient and trustworthy connectivity solutions.**

**Keeping your business 'on' is our priority. We've made significant investments in designing, building and managing our own robust and flexible MPLS network to provide flawless connectivity and business internet solutions. Alongside this, we offer network assurance through comprehensive SLAs, online real-time reporting and 24/7 UK support.**

Once connected to our network, you'll be able to react dynamically to changing business requirements with access to our full product suite.

## **Secure SD-WAN**

Our Secure Managed SD-WAN service ensures that your business connectivity keeps everybody secure and productive, regardless of where they are working. It adapts to your business changes and continually prioritises traffic flow so that everybody has an amazing experience whether they're on a HD video call with the team or simply accessing files across the network.

## **Ethernet Services**

Our Ethernet Network service delivers robust connectivity for organisations that want high speed internet access and secure data transfer, with the ability to converge voice and mission-critical data across one connection.

With the guarantee of minimum speeds, you don't need to worry about splitting bandwidth and experiencing slow connection during peak hours of the day.

## **Business Broadband**

Our Business Broadband service offers ADSL and FTTC Internet connectivity options for business owners who require high speed, cost-effective connections with dedicated UK support.

## **Resilience**

We offer flexible, cost effective resiliency with high availability. Should your fixed line connection fail, you have the option to choose from multiple backup providers (including 4G) to improve your uptime and reduce the cost of downtime.

## **ConnectMPLS (IP VPN)**

You will receive a virtual private section of our core network, ideal for multi-site networks wanting to communicate with each other quickly and securely. You also have the option to include central internet breakout, enabling security policies and filters from a single, central location, rather than having multiple DIA circuits which need to be managed individually. Available as an enhancement for both Ethernet and Broadband services.

### PoP Interconnect

This provides a cost-effective ethernet connection between any of our Node4 UK data centres straight into your racks, utilising existing infrastructure and reducing cost and time of installation.

### Cloud Connect

We can supply dedicated access to public cloud providers, which helps to improve latency and secure data by segregating from public internet.

### Managed Network

We can provide end-to-end management for all of your connectivity needs, from designing and building to implementation and support for your LAN and WiFi networks. We also offer advanced captive portal for WiFi - ideal for collecting marketing data.

### Health and Social Care Network (HSCN)

As a Stage 2 compliant HSCN provider, we can provide seamless delivery of HSCN and overlay services to the health and social care sector through our network of UK-based data centres.

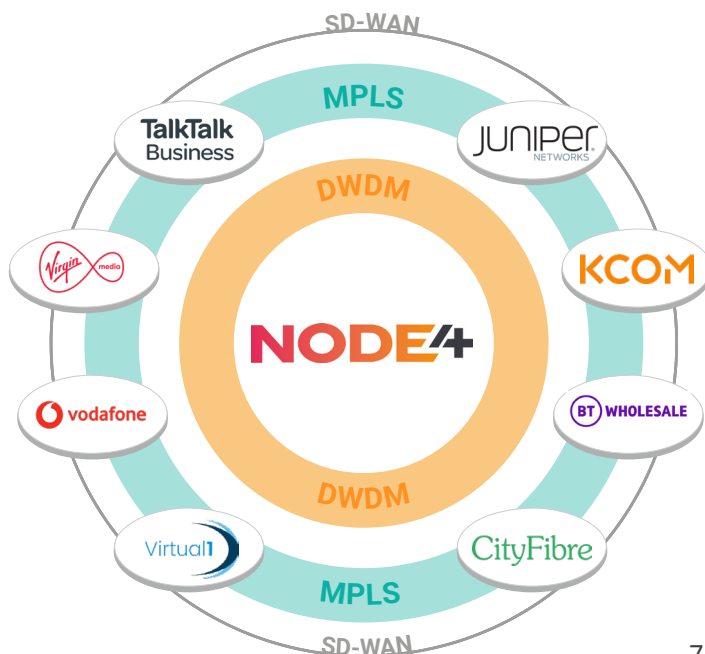
### Network Security

To bolster your first line of security, take advantage of our managed firewall service utilising the latest Next Generation Firewall technology. As part of this service, we provide you with monthly reports and access to detailed analytics. We also provide DDoS protection, another consideration when evaluating your network security.

**“Working with Node4 is revolutionising performance – we have much more bandwidth to carry out innovative and business-driving projects.”**

Graham Moore, Group Chief Information Officer  
at Stagecoach

**To bring you the best technology at the best price, we interconnect with multiple Tier-1 carriers at the access layer into our MPLS core:**





# Data Centre Hosting

**For better cost control and security, move your IT hardware to our highly efficient, ISO 27001 accredited UK data centres.**

Thanks to our award-winning, highly secure and robust environments for colocation services, you no longer have to take on the risks, responsibilities and unpredictability that come with building or upgrading your own on-premise infrastructure. The time and cost saved hosting racks in our data centres enables you to focus on what you do best.

**“As we grow we’ll probably look to take up more capacity with Node4. We’ve been operational for about a month now and I’ve not had a single hiccup with anything, which I couldn’t say for the previous provider we were with.”**

Stuart Jones, IT Director at Outwood Grange Academies Trust





# Our Data Centres

We've designed and built our own data centres in Derby, Leeds and Northampton to high specifications, meeting the necessary standards to provide business continuity with 100% uptime. These include ISO 27001 and PCI-DSS certification for security and ISO 50001 certification for energy management.

Our data centres are designed to be incredibly efficient, achieving a PUE efficiency rating as low as of 1.2 in our latest expansion. They range from Tier 2 to Tier 3+ standards, ensuring we can meet the most stringent of uptime requirements.



DC1 & DC2 (Derby)



DC3 (Leeds)



DC4 (Northampton)

## Controlled

We own and manage our data centres ensuring that we are in complete control of the services we deliver. This means that we are able to create an exact solution to meet your business needs.

## Reliable

We manage and monitor our services 24 hours a day, 365 days a year, ensuring that your services are available when you need them.

## Secure

With 24/7 manned security, perimeter fencing, CCTV throughout, zonal swipe cards, caged areas and anti-tailgating pods, we ensure your solution is always protected.

## Flexible

All of our services can be designed to meet your business requirements and are fully scalable should your needs change in the future.

## Expert

Our team members will gain a thorough understanding of your needs, offer expert advice and are committed to making it easy for you to do business.

# Cloud Services

**Greater flexibility, cost control and faster innovation are all made possible through the cloud. With Node4, hosting areas of your business in the cloud has never been easier.**

## **Infrastructure as a Service (ISaaS)**

IaaS enables you to host your infrastructure, applications and services in our robust and secure cloud environment. Our wholly-owned cloud infrastructure is Cisco CMSP accredited, which means that we are recognised by Cisco as having an elite level of expertise in delivering our cloud, backup and Disaster Recovery infrastructure. We also offer Platform as a Service (PaaS), enabling you to develop, run, and manage applications without the complexity of maintaining the infrastructure.

## **Managed Public Cloud**

Our cloud experts are certified in AWS and Azure and therefore have the skillset to ensure your journey into public cloud is carefully considered, designed and delivered. Together we can remove or share the complexities of planning, building and managing your IT infrastructure.

## **Azure Service Tiles**

Regardless of what stage you're at in your cloud migration journey, we're here to help. Our Service Tiles provide a best practice governance approach to Azure adoption, in line with Microsoft's Cloud Adoption Framework (CAF).

## **Private Cloud**

We can design and build secure, scalable and flexible private cloud environments, all within an OPEX based pricing model, including:

- Private 'blades' (or dedicated servers) that provide all the compute resource you need, with the option of adding scalable storage solutions.
- FlexPod: A pre-validated converged infrastructure, built in collaboration with Cisco and Netapp, that provides compute, networking and storage options as a 3-in-1 solution.

**Cloud can play an important part of your business IT strategy. Typically, more businesses are moving towards a hybrid cloud environment.**

## **Hybrid Cloud**

Hybrid cloud offers a combination of public cloud, colocation, IaaS and on-premise private cloud to suit your specific business requirements. This way you can maintain security and high performance for business critical applications and data, while also benefiting from the ability to scale quickly and reduce the demand placed on your private network.

## Additional Services

### Database Management (DBaaS)

Our experts can help you manage your databases more effectively, providing independent advice and outsourced DBA and DevOps services at a fraction of the cost it would take you to achieve in-house. We support a wide variety of databases including: Oracle, SQL Server, MySQL, Couchbase, mongoDB and DataStax.

### NetApp Private Storage as a Service (NPSaaS)

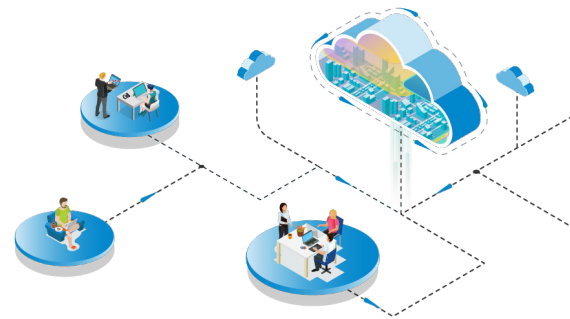
NPSaaS is a private solution where, through the Equinix Cloud Exchange and Node4's service, you can use AWS, Azure or Softlayer, while keeping your data secure in one of our UK data centres. We're the only provider of this solution in the UK.

### Windows Virtual Desktop

The next generation virtual desktop technology, empowering your employees to stay productive wherever they're working from. We'll take the pressure off your IT team, by assessing, planning and implementing a smooth deployment of WVD.

**"Moving to the cloud has really given us the smoother infrastructure we needed to develop the business."**

Mark Carpenter, Managing Director at Motorpoint



### Microsoft 365

Microsoft 365 brings together the best of Office 365 with the most secure version of Windows (Windows 10) and combines it with enterprise grade security services. Wherever you are in your Microsoft 365 adoption journey, we can take you further along it so you get more value, as well as improved security and user experience.

### Containers as a Service (CaaS)

Our Containers as a Service is a production-ready, open source system that allows users to upload, organise, run, scale, manage and stop containers, by providing complete flexibility and freedom to configure your containers and applications.

**Our cloud platforms are underpinned by our trusted technology partners and vendors.**



# Data Services

**Your data is precious and needs to be protected. Our data services are designed to keep your business's vital assets safe, whilst providing reassurance along the way.**

## **Storage (STaaS)**

We offer a portfolio of robust and secure storage solutions to suit every business requirement. These include physical and cloud storage solutions, along with our unique ability to store data privately in our UK data centres, while presenting a version to hyperscaler environments.

## **NetApp Private Storage as a Service (NPSaaS)**

NPSaaS is a private solution where, through the Equinix Cloud Exchange and Node4's service, you can use AWS, Azure or Softlayer, while keeping your data secure in one of our UK data centres. We're the only provider of this solution in the UK.

## **Backup (BaaS)**

We can use a suite of tools to fully replicate your data wherever it is, so that full restore can be achieved quickly and easily. We provide Veeam backup for all our cloud customers, and Veeam Cloud Connect for any business using Veeam wishing to back up into our cloud. For those wanting back up on remote and physical devices, we use NVault, which leverages Ahsay technology.

## **N4BaaS – Office 365 Backup**

This enables businesses using Office 365 to secure an independent backup of all Office 365 content to a Node4 data centre. This service supplements the standard Microsoft resilience of Office 365 services.

## **N4Backup - Veeam Cloud Connect**

This enables businesses who already use the Veeam Backup and Recovery software to copy their backups to our data centre for offsite storage. The service uses the internet to transport data, meaning that we can help whether your Veeam platform is on your premises, in your own data centre or colocated in ours.

## **Disaster Recovery (DRaaS)**

We use the award-winning Zerto technology to provide disaster recovery protection for your virtual machines. Protection can be between N4Cloud data centres or from your premises to N4Cloud. In both cases, a standby copy of your virtual machine is ready to start in the event the worst happens.

## **Database Management (DBaaS)**

Our experts can help you manage your databases more effectively, providing independent advice and outsourced DBA and DevOps services at a fraction of the cost it would take you to achieve in-house. We support a wide variety of databases including: Oracle, SQL Server, MySQL, Couchbase, MongoDB and DataStax.

**Our data services are underpinned by:**







## BUSINESS CONTINUITY

A fully-managed  
service delivering  
business continuity  
with no hassle



## COMPLETE MANAGEMENT

Take the headache  
out of data with  
complete database  
management



## AWARD WINNING TECH

Award-winning Zerto  
technology to provide robust  
and cost-effective disaster  
recovery solutions for your  
business



## SINGLE BACKUP PROVIDER

Tight RPO & RTO  
recovery for high-  
end commercial  
applications

**“Node4’s services provide us with the contingency, checks and expertise to call on whenever we need it, which has become an important reason for building a long-term partnership with them. We have complete peace of mind working with Node4.”**

Paul Morris, Technical Services Director at RedEye



## Database, DevOps and Cloud Specialists

**Our dedicated business unit N4Stack brings together database, DevOps and cloud practices to provide a range of enterprise consulting and managed services.**

A born in the cloud provider, N4Stack is closely partnered with Microsoft Azure and AWS to provide transformational services which help customers modernise their application deployments. Our role is to act as the trusted party operating the infrastructure and data platforms supporting the application in a DevOps aligned model.

**Exceptional Service as a Standard is the beating heart of everything that we do. We believe you'll notice the clear difference working with Node4 and will feel this dedication to strive for excellence at any touchpoint of the business, from our administrators, to engineers, through to our senior leadership team.**







**Communicate securely, increase business productivity and adapt to the changing demands of your workforce and customers. All with a little help from our collaboration experts.**

# The Collaboration Experts

**Our dedicated business unit for collaboration, N4Engage, brings comprehensive collaboration solutions to your business. Whatever communication challenge you're facing, we offer a range of solutions to help.**

## Why N4Engage?

- 15+ years' experience
- 100% SIPLink uptime
- 365x24x7 service desk
- Cisco Powered Hosted Collaboration Service (HCS) accredited

We work with:



Enghouse  
Interactive



Microsoft

**“There have been no complaints from our teams and customers regarding the new telephone platform, which means its working, it’s doing what it’s supposed to do. We’re making more international calls, so moving to SIP has proved cost-effective and improved call quality.”**

Kevin Greenway, CTO at 10ZiG



### **Workplace Transformation**

Migrate your legacy on-premise systems to the cloud for cost-savings, resilience, agility and security.



### **Business Productivity**

Become more efficient and effective, with our business productivity and analytics tools.



### **Team Collaboration & Mobility**

Bring teams and external partners together with our collaboration tools.



### **Customer Contact**

Engage every customer with our omni-channel contact centre solutions.



### **SIP Trunking**

Make cost-effective calls, without compromising on quality, with our integrated SIP trunking solution.



### **Security & Compliance**

Protect your business with a resilient, secure and compliant cloud-based collaboration platform.

# Security Services

Protect your business from data breaches and the consequences, with help from our team of security experts.

**Gaining information about threats and vulnerabilities to your infrastructure allows you to mitigate against the risks, before they become today's data breaches and tomorrow's news item.**

## Security as a Service

We combine best-of-breed technology and professional expertise to provide fully managed security services, leaving you to focus on building and managing your core business. Our SECaaS solutions include:

**N4NGFW** – Node4 Next Generation Firewall is our managed firewall service utilising the best in Next Generation technology including Unified Threat Management (UTM), which covers Data Leak Prevention, Intruder Protection System, Intruder Detection System, DMZ and VPN management.

**N4Cloud Security** – Comprehensive security for AWS, Azure and VMware cloud services. This provides threat intelligence and multiple protective security techniques, whilst maximising performance and operational efficiencies from the cloud in public, private or hybrid environments.

**N4Threat Detect** – Our premier SIEM solution providing risk analysis and security intelligence across customer network estates. This OPEX service incorporates detailed Network Intrusion Detection System (NIDS) and Host Intrusion Detection System (HIDS), which examines packet behaviour and detects “bad actor” probing and reconnaissance. This allows for visibility of malware, rootkits and other rogue processes from user activity.

**N4MDM** – Mobile Device Management for deploying public, internal or bulk-purchased apps to devices automatically as well as managing device policies for restrictions, access control and notifications based on ownership (BYOD). Enables users to self-activate devices, whilst providing companies with control and management over access and security.

**N4EPMS** – EndPoint Management System allows management and control over disparate endpoint devices, providing policy control on firewalls and web access as well as enforcing anti-virus and malware updates. This provides you with centralised encryption management over file, folders, partitions and removable media on corporate endpoints.

**N4WAF** – Protection against DDoS and SQL Injection attacks on web sites as well as XSS and SSL attacks using invalid scripts. If you have commercial web traffic, you need this serious specific security for your POS web sites.

All services provide full monthly reporting so that you have intelligence on both internal and external threats, including top alarms, attackers, attack strategies, destination ports and attacked hosts. This information can provide compliance for FISMA, HIPAA, ISO27001 and PCI 2.0 and 3.0 accreditation.

**Security Professional Services**

Our testing and analysis solutions, which can be scaled up or down to suit your business needs, include:

**Vulnerability testing** –Detailed information and risk analysis of threats and vulnerabilities from inside and outside of your infrastructure.

**Phishing campaign** – Test staff knowledge of company security policies and best practices.


**Penetration testing** – A deep dive assessment, where target data, systems or particular outcomes are tested.

“Node4 are so clearly specialists in what they do. It fills me with confidence that they can talk knowledgeably about our challenges and their solutions. They always have someone on hand to answer my in-depth technical questions.”

Nick Danson, IT Systems Manager at Forest Holidays

Our security services are underpinned by our trusted technology partners and vendors.



**“It was important to us that we gain a partner that works as an extension of our core IT team, and that is what we have found in Node4. As we move into a cloud-driven approach, it is reassuring to know that we have a fully scalable digital roadmap that will support our digital transformation initiatives, ensuring that our members are provided with a modernised and always-on experience.”**

Chris Mullins, Head of IT at Benenden Health



# Professional & Managed Services

**To maximise business productivity, turn to our IT and infrastructure experts. We remove unnecessary complexity, keep your solutions running at optimum performance and ensure they are fit for the future.**

## **Managed 24/7 Service Wrap**

Whatever your challenge, we consider all elements of your business and offer a managed service wrap to suit you. Depending on your requirements, we'll choose from our full range of services – connectivity, data centre hosting, cloud, data services, collaboration and security – to create a bespoke solution for your business. We'll then deliver this at every stage, taking the strain out of planning, building and managing your infrastructure.

## **Digital Transformation**

Meet the expectations of today's customers, partners and workforce, with support from Node4. We can help you implement your digital transformation strategy, with our highly resilient UK network and a choice of innovative technologies, delivered to you as a fully managed service wrap.

## **Professional Services – Project Management**

We have a dedicated team of experts in project management and co-ordination who you can call on for IT projects, big or small. We handle implementations of a range of services, from single circuit installations to large, multi-discipline and multi-site migrations. By using recognised project management techniques and processes, we ensure effective communication, control, governance and transparency throughout projects.



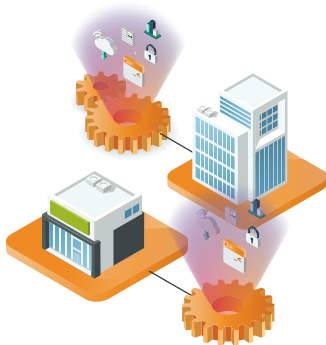
# 5 Reasons to Choose Node4

There are other IT services partners out there, but what makes us stand out? Here are just some of our differentiating factors. To discuss your requirements and find out how we could empower your business to do more, please [click here](#) to get in touch.



## **We have unrivalled ‘end-to-end’ complete control of our solutions and infrastructure**

We have 100% control of our entire solution portfolio. We own our data centres, the core network, cloud infrastructure and the entire solutions portfolio that sit across them. This means a reliable service and complete confidence in our delivery.



## **We provide a seamlessly connected portfolio**

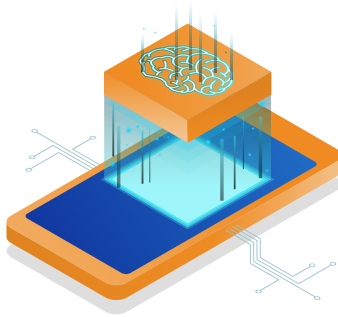
No two businesses are ever the same, and therefore no two solutions are the same. We provide strategic input and honest direction to your specific IT requirements, acting as your guiding influence in transitioning your business for the digital generation. Our broad portfolio gives us the capability to think outside of the box. We won't offer you a blanket solution but will instead deliver end-to-end solutions which are future-proof and bespoke to your business.





## **We only employ the very best experts in technology and infrastructure**

We have 100% control of our entire solution portfolio. We own our data centres, the core network, cloud infrastructure and the entire solutions portfolio that sit across them. This means a reliable service and complete confidence in our delivery.



## **We have a demonstrable passion for innovation and intelligent design**

We have an unquenchable thirst for technological innovation, and this is reflected in our drive to harness the most advanced technology to create real benefits to business. Upholding our accreditations is a priority, and we work collaboratively – and sometimes exclusively – with the market's most sought-after vendors to push IT boundaries.



## **We deliver Exceptional Service as a Standard (ESaaS)**

ESaaS is the beating heart of everything that we do. We believe you'll notice the clear difference working with Node4 and will feel our ESaaS culture at every touchpoint of the business, from our administrators, to engineers, through to our senior leadership team.



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