

# CONNECTIVITY PRODUCT PORTFOLIO

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# THE NODE4 NETWORK

## GETTING CONNECTED AND STAYING CONNECTED HAS NEVER BEEN SO IMPORTANT

With your customers expecting round-the-clock support, your teams transitioning to hybrid working and your users demanding more of your networks, you simply can't afford to be offline. These days the reputation and trust in your business, can be undermined by any number of things; unreliable, slow or unsafe connections.

At Node4, we know that not all networks are created equal. That's why the managed network and support services we offer are designed to a high specification and built for scale, with our robust solutions helping to form the backbone of your hybrid IT infrastructure.

We are always innovating, developing forward-looking offerings to maintain the business solutions that ensure you maintain a competitive advantage. With our experience, expertise and accreditations, you can be assured that we are a safe pair of hands and a great long-term strategic partner for your business networks.

Our broad portfolio has you covered in all areas of secure digital networks and connectivity. We categorise our solutions under five main banners:

- **WAN Edge** – Wide Area Network solutions for connecting offices and workers
- **Access Edge** – Wired and Wireless Local Area Network solutions for connecting endpoints
- **Cloud Edge** – Multi-Cloud Network solutions for connecting hybrid IT infrastructure
- **Network Security** – Converged Network and Security solutions to reduce your risk
- **Network Consultancy** – Professional Services for overcoming skills and knowledge gaps

Browse our catalogue of managed network and support services and get in touch to learn more about how Node4 delivers transformational solutions



## OUR NETWORK

Our robust and resilient core network acts as the foundation of your critical IT services, designed and built to deliver superior bandwidth for your business.

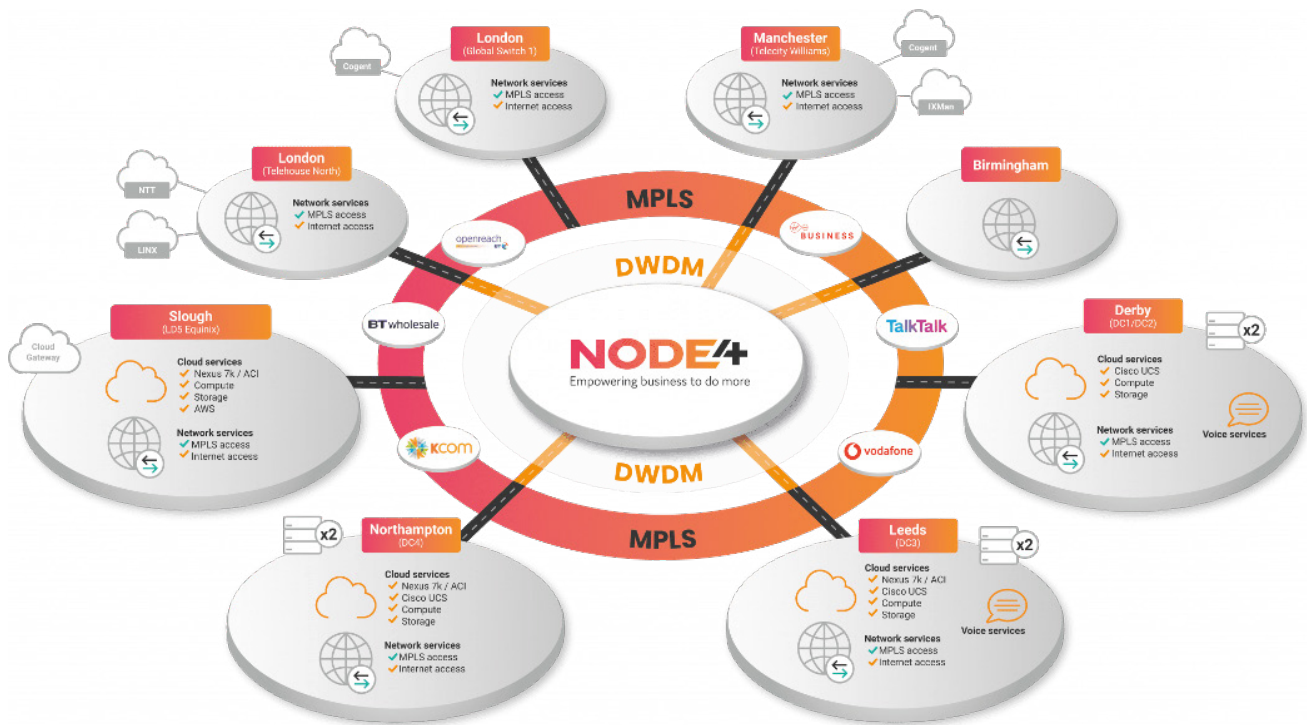
Operating across all our data centre and Point of Presence (PoP) locations, we deliver low-latency, high-capacity and highly reliable core connectivity between hybrid IT platforms. Built for scale and ready to grow with your business needs, our network is the transparent structure on which you can rely.

But it doesn't stop there – Node4 can seamlessly extend the reach of our network to 3rd party data centres, multi-cloud, branch offices and remote worker locations using our comprehensive edge connectivity solutions.

## KEY BENEFITS

- **Highly resilient, carrier-grade core network**
- **Significant dark fibre investments**
- **Comprehensive last mile access options (wired and wireless)**
- **Flexible full or shared management offerings**
- **Backed by robust Service Level Agreements**
- **UK support team available 24x7x365**

# NETWORK DIAGRAM



# SOLUTION PORTFOLIO



## WAN EDGE

Today, Wide Area Networks extend beyond connecting branch sites with network edges now existing in many locations, making enabling secure and reliable connectivity between these edges critical to success.

Node4's flexible and secure WAN Edge connectivity solutions are a catalyst for digital transformation. Our network support solutions enable customers to rapidly adopt hybrid working, accelerate towards hybrid cloud and harness the power of data for business intelligence.

- **Secure SD-WAN** - Our secure managed SD-WAN service keeps your users connected and protected, wherever they choose to work. It continually prioritises traffic flows to optimise the experience for every user. This software-defined network solution also has integrated advanced security to connect the distributed Enterprise and seamlessly protect every edge.
- **Private WAN** - Our Private WAN solution is designed for businesses operating across multiple sites that require a wholly private and robust network. These MPLS-backed, isolated network instances, provide a secure platform with end-to-end enterprise grade SLAs.
- **Wireless WAN** - Wireless WAN meets the needs of challenging, short-lived, or mobile locations, utilising either radio, microwave, 4G LTE or 5G technology for the ultimate flexibility.
- **ConnectFAST / Direct Internet Access** - Our ConnectFAST product provides business grade internet access circuits through a comprehensive selection of last-mile carriers and technologies. Our internet connections are maximised for speed. We maintain extensive peerings to tier-1 internet and content providers to ensure the fastest route for your traffic. Whether you need uncontended connectivity for business-critical processes or a cost-effective connection for backup, we have a solution for you.



## WAN EDGE

- **ConnectMPLS / Private Network Access** - Our ConnectMPLS product provides robust private network access circuits through a comprehensive selection of last-mile carriers and technologies. Our private connections deliver dedicated bandwidth to your critical internal networks and systems. With Quality of Service (QoS) applied as standard, you can be confident that priority business applications, like voice over IP and webinars, are always available.
- **Health & Social Care Network (HSCN)** - Healthcare digital transforming aim to improve the patient experience by unlocking a new age of collaboration between the public and private sectors. Node4 are a Stage 2 compliant HSCN provider, able to offer seamless delivery of HSCN and overlay services to the health and social care sector. We can help your organisation with the transition to HSCN, while upholding the strictest cyber security protocols without causing disruption to the day-to-day care of your patients.
- **Remote Workers** - Drive productivity through an always-connected workforce that are enabled to work from anywhere. Tunnel your users into your enterprise network for access to corporate resources, while maintaining a consistent user experience and security posture.



## ACCESS EDGE

Access networks are the main entry point for systems and users on your network, so providing ease of access while maintaining security and performance is a must. Node4's high-performance Access Edge solutions connect your users with the network resources they need to be productive and ensure the robust and reliable operation of behind-the-scenes systems.

- **Local Area Networking (LAN)** - Legacy local area networks are creaking under the increased load. We deliver scalable campus access networks that maximise the productivity of your workforce.
- **Wireless LAN (WLAN) / WiFi** - Hybrid working is driving a return to the office, while employees continue to use the collaboration tools they became accustomed to at home. Legacy WiFi networks are creaking under the increased load. Unleash the shackles of wires, while enhancing productivity, by implementing a seamless wireless LAN for your portable endpoints.
- **Data Centre Networking** - Hyperconverged infrastructure, application mobility and the exponential growth of data are driving previously unseen demands on data centre networks. We deliver dynamic, high-speed and ultra-low latency data centre fabrics that ensure the availability and performance of business-critical applications.
- **Data Centre Connectivity** - With our Data Centre Connectivity products, we deliver high-capacity backbone connectivity to and between your data centre locations, safeguarding business continuity. Our network provides a higher degree of control, streamlining services and delivering an excellent experience for your customers.
- **Support for Network Appliances** - Our Network Support Framework offers a range of support levels for your network appliances, both hardware and virtualised network functions. Whether supporting through maintenance, monitoring or a fully managed service Node4's friendly, experienced and expert support teams can help take the strain so you can be confident that these key assets will meet your operational needs.





## CLOUD EDGE

Cloud adoption is continuing at a rapid pace. Organisations are adopting cloud-first, multi-cloud and hybrid cloud strategies to create intelligent IT infrastructures that can respond to business demands. Node4's dynamic Cloud Edge solutions enable you to locate your workloads on the optimum infrastructure, without the worry of how they will be accessed, secured and integrated with your wider IT systems.

- **Network Virtual Appliances (NVA)** - Cloud-native network services deliver tightly integrated network capabilities through a consistent interface, but often have limited feature sets and poor portability. Leverage our specialist hybrid cloud, network and security knowledge to deploy cloud networking solutions that align with your business priorities and reduce platform lock in.
- **Cloud Gateway** - Increasingly, organisations are adopting hybrid strategies and choosing the most appropriate architecture and infrastructure based on application and user requirements. With our cloud gateway fabric solution, you can seamlessly integrate previously isolated cloud and SaaS islands with your enterprise network for an improved user experience.
- **Application Delivery (ADC)** - Business applications are the lifeblood of many organisations today and either embody or enable the products and services that you deliver to your clients. They need to be accessible and optimised. Quickly and efficiently deliver functionality to your users by accelerating applications with our application delivery solutions.



## NETWORK SECURITY

Today's evolving threat landscape requires a highly secure environment on which to base business grade applications and systems – it's essential to providing customers with suitable protection from any potential cyberattack. Many businesses operate unaware of breaches and intrusions perpetrated inside their environment. The inevitability of both randomised and targeted hacking mean that businesses need to be proactive and manage security beyond the basics.

Our Network Security solutions provide converged threat protection capabilities that help to reduce your risk.

- **Managed Firewall** - Our Managed Firewall service ensures the security of your network perimeter through proactive monitoring and maintenance. Our network and security experts work to identify and resolve issues, intervening proactively so your networks remain up and operational. For added assurance our service can include software vulnerability management, threat intelligence and a policy configuration audit.
- **DDoS Protection** - Our DDoS Protection service stops attackers in their tracks. Our automated, always-on and scalable DDoS mitigation service identifies and discards malicious traffic, while legitimate traffic is forwarded as normal. We deliver this in a simple and transparent offering for a fixed monthly fee. No surprises and all fully managed by our team of experts.
- **Web Application Firewall (WAF)** - With an ever-expanding attack surface, more complex threats and increasingly persistent attackers, it can be a challenge to just stand still. Coupled with application sprawl across the multi-cloud, it's become exceptionally challenging to deliver high performing and secure web applications. Our WAF solution simplifies these challenges, through cloud-delivered and cloud-native content delivery and application security, packaged and delivered as a simple managed service.



## NETWORK SECURITY

- **Network Access Control (NAC)** - Our Network Access Control solution provides visibility and control into the endpoints on your network. With the growing risk of internal cyber threats, it's increasingly unsafe to trust internal endpoints. That's why we place endpoints in an isolated network until they can be profiled and validated. Once verified, minimal access is granted with tight segmentation and continuous monitoring to ensure no change in user or device behaviour.
- **Secure Web Gateway (SWG)** - Our Secure Web Gateway solution delivers consistent endpoint security regardless of user location. Using a cloud-delivered model, benefit from advanced web protection without the need to transit your internal physical security appliances. This ensures your users remain safe and productive, regardless of where they work from.



## NETWORK CONSULTANCY

Whether you're starting new projects or shaping new strategies for your business, it can be difficult to know if you're heading in the right direction. The pressure to get things right can be high and your organisation depends on your leadership and direction to succeed. Our Network Consultancy solutions are designed to add value by offering you expert advice and assessment for your individual requirements.

We can help you with quick wins, long-term goals and driving an IT strategy that will improve your organisation's performance.

- **Network Discovery / Health Check** - We gain an understanding of your network to identify challenges and limitations, such as legacy components, suboptimal design, performance bottlenecks, security risks and configuration issues. This gives you the information you need to put things right, or optionally, we can remediate the findings for you.
- **Architecture Design** - Technology is complex and ever changing – our architects stay up to date with the latest industry standard best practices, design principles, technologies and configurations to produce architecture designs that solve your business challenges. Optionally, our teams can implement these designs for you, to ensure they deliver the most value to your business.
- **WiFi Survey** - Deploy your Wireless LAN solution with confidence and deliver a great experience to your users with our WiFi survey offering. We use the survey output to plan placement and configuration, producing a design that ensures optimal wireless coverage, seamless roaming and load balancing to drive user accessibility and productivity.



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