SD-WAN

Secure, high performance, cost-effective hybrid networking. Maximise throughput, resilience and security to deliver consistent access that empowers your people to be brilliant, regardless of location.
Beyond Cloud.

What is SD-WAN?

Six Degrees delivers the UK's only truly converged SD-WAN solution. Leveraging Six Degrees' industry-leading expertise across security, hybrid cloud and network management, SD-WAN features managed service tiers that can be tailored to your organisation's unique requirements. Through intelligent design and next generation network capabilities, your SD-WAN deployment will form the backbone of your organisation's digital transformation strategy.

Whether you are implementing new connectivity or making the most of your existing connections, SD-WAN outperforms traditional MPLS networks by intelligently routing SaaS-based traffic while centrally managing network and security policies. SD-WAN is the gateway tool to unlock your network's potential and support your organisational objectives.

Cloud-Ready Connectivity

SD-WAN, powered by industry-leading cyber security technology, leverages next generation **secure** SD-WAN capabilities that deliver **high performance**, application-aware routing while delivering **cost efficient** hybrid networking. Reduce friction to the cloud while maximising throughput, resiliency and security, all through a **fully-managed** end-to-end solution that secures and optimises your network. SD-WAN provides the dynamic network fabric that unites your cloud, connectivity and security operations, powering your enterprise transformational strategy and enabling your operational brilliance.

Addressing Your Digital Transformation Challenges

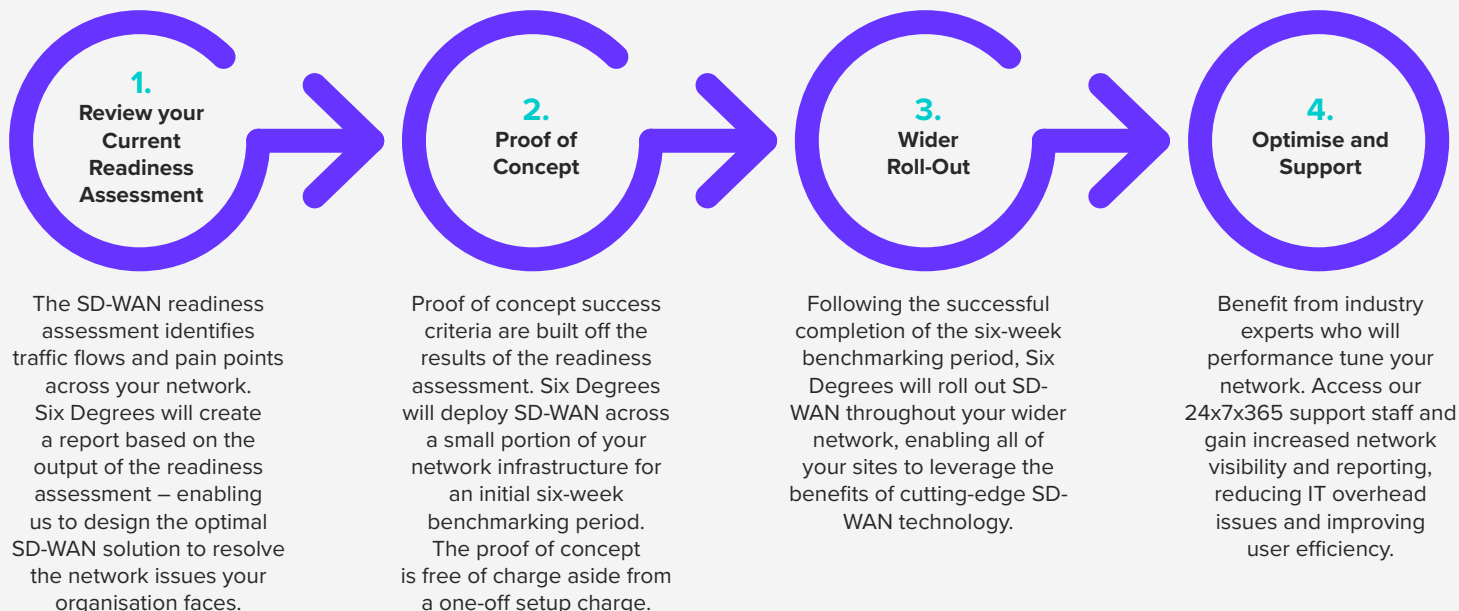|	
How do I protect my mission-critical data both when connected in a corporate office and when working from home?	Expand corporate governance and protect your users as if they are in the office with always-on protection, regardless of location.
Lead times for new link installations are too long – how can I rapidly enable more capacity?	With the power of SD-WAN, Six Degrees can utilise your passive connections by incorporating active-active functionality on all links.
How can I mitigate the security risks that come with contemporary cloud infrastructures?	SD-WAN includes encryption, URL filtering, Unified Threat Management and penetration testing. Our consultative security approach aligns SD-WAN to your organisation's risk appetite.
How can I overcome network complexity issues that compromise performance?	Application awareness and intelligent traffic routing by SD-WAN enables efficient routes to applications and the data centre infrastructure, removing complexity and optimising performance.
How can I minimise network expenditure and deliver cost efficiencies?	Leveraging multiple links delivers cost efficiencies. Achieve hardware consolidation by combining router and firewall functionality.
How can I reduce the management burden of supporting traditional MPLS?	SD-WAN centralises management of your entire estate, with rapid and consistent deployment. Standard policies reduce the need for manual intervention, saving time, resources and costs.
How can I ensure my network is highly flexible and scalable?	SD-WAN makes it straightforward to add new sites and bring new networks into the infrastructure overlay. For live sites, SD-WAN is built to deliver easy feature and management tier upgrades.

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Your SD-WAN Journey

1. Review your Current Readiness Assessment

The SD-WAN readiness assessment identifies traffic flows and pain points across your network. Six Degrees will create a report based on the output of the readiness assessment – enabling us to design the optimal SD-WAN solution to resolve the network issues your organisation faces.

2. Proof of Concept

Proof of concept success criteria are built off the results of the readiness assessment. Six Degrees will deploy SD-WAN across a small portion of your network infrastructure for an initial six-week benchmarking period. The proof of concept is free of charge aside from a one-off setup charge.

3. Wider Roll-Out

Following the successful completion of the six-week benchmarking period, Six Degrees will roll out SD-WAN throughout your wider network, enabling all of your sites to leverage the benefits of cutting-edge SD-WAN technology.

4. Optimise and Support

Benefit from industry experts who will performance tune your network. Access our 24x7x365 support staff and gain increased network visibility and reporting, reducing IT overhead issues and improving user efficiency.

SD-WAN Product Value Matrix

	FEATURE	ADVANTAGE	BENEFIT
PERFORMANCE	Cloud/SaaS access	Prioritise mission-critical cloud applications and optimise connectivity.	Improve user experience by optimising cloud application performance.
	Network efficiency	Encrypted overlay services via all available WAN resources.	Get the most from your connections by securing and controlling local access to application services.
	Optimal line usage	Support multiple WAN uplinks and deliver bonded active-active connections.	Active-active configurations enable you to utilise all your bandwidth with no need for passive backup bandwidth.
SECURITY	Smart, secure local breakout	Secure local internet breakout.	Get the most from your connections by securing and controlling local access to application services.
	Agile home working	VPN and always-on endpoint protection and management for your users' laptops includes features such as URL, Intrusion Prevention System (IPS) and anti-malware.	Protect your workforce with centralised policy management regardless of location and connection.
	Security and threat protection	Advanced next generation firewall protection throughout your network, not just in the data centre, with full WAN edge security.	Deliver secure connectivity to all users without compromising performance.
COST	Maximise budgets by utilising existing network assets and access types	An adaptable logical network that can be shaped to suit shifting organisational requirements.	Agile deployment over existing or new connectivity, providing MPLS capabilities over internet circuits to scale and connect far-reaching locations.
MANAGEMENT	Visibility and reporting	Single pane of glass reporting provides optimal performance and dataflow visibility.	Optimise your network by giving IT staff the visibility they need to prioritise critical applications.
	Fully-managed service	Six Degrees manages and maintains the entire SD-WAN infrastructure.	Reduce operational complexity and free up time for your in-house resources.

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SD-WAN Service Tiers

SECURITY → PERFORMANCE → COST → MANAGEMENT

FEATURE		ESSENTIAL	ADVANCED
Weekly automated network reporting		✓	✓
Flexible deployment options		✓	✓
Full visibility of your entire network		✓	✓
Fully managed platform		✓	✓
Monthly cost per device		✓	✓
Managed and maintained hardware		✓	✓
Proactive monitoring		✓	✓
Central policy management		✓	✓
Application aware QoS		✓	✓
Active-active link utilisation		✓	✓
Agile home working/VPN		✓*	✓*
Smart, secure local breakout		✓	✓
Encryption		✓	✓
Endpoint management and protection			✓**
IPS			✓
URL filtering			✓
Penetration testing		✓**	✓**
Inbound services			✓
Dynamic penetration testing			✓
Unified threat detection bundle			✓
Syslog log retention		3 weeks	6 weeks
Estate changes		5 changes per month	10 changes per month
Hardware replacement		Next business day***	Same day

* Some features are at an additional cost
** Bolt-on across service tiers with additional cost
*** Same day on request

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Market-leading Technology

Breadth and depth of expertise

Six Degrees has the experience and capabilities to optimise your networking deployment in-line with your organisation's broader digital footprint.

Industry-leading SLAs

Your organisation depends on the highest levels of uptime, performance and security. We understand this, and align our industry-leading SLAs to ensure you receive the services you need.

End-to-end service capabilities

Unlike some providers, Six Degrees has end-to-end service capabilities that encompass cyber security, hybrid cloud computing, agile working and network infrastructure. Your SD-WAN deployment will be designed and managed using the full breadth of our technical knowledge.
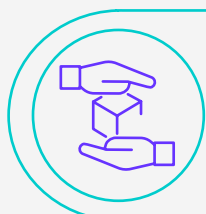
Full service wrap

Relieve burden from your IT team and enable them to focus on digital transformation, not day-to-day admin and firefighting. Leverage Six Degrees' comprehensive security and management service wrap.

Security accreditations

Six Degrees delivers secure services to prominent organisations throughout the UK. Our security accreditations, including ISO 27001:2013 and Cyber Essentials Plus, give our clients confidence that we manage their infrastructures to cyber security best practices at all times.

Ready to Take the Next Step?

For more information on SD-WAN, or to arrange a SD-WAN Network Assessment, contact your Account Manager or email info@6dg.co.uk.

Our Credentials:

ISO 27001 · PCi Security Standards Council — QUALIFIED SECURITY ASSESSOR™ · FORTINET · CYBER ESSENTIALS PLUS — CERTIFICATION BODY

Speak to our experts today on 0800 012 8060 or visit www.6dg.co.uk