

NOT ALL SD-WANS ARE CREATED EQUAL

Next-Gen WAN Challenges

Today's distributed multi-site enterprise can encounter several challenges across its network. As a Managed Service Provider with over 30 years of experience, Hughes understands these challenges and delivers innovative solutions to maximize the ROI.

Bandwidth



- 30% demand growth annually at distributed sites
- MPLS is cost-prohibitive

Availability



- Network brownouts
- Enable "Active-active Connectivity" everywhere
- Guarantee real-time application quality (voice/video)

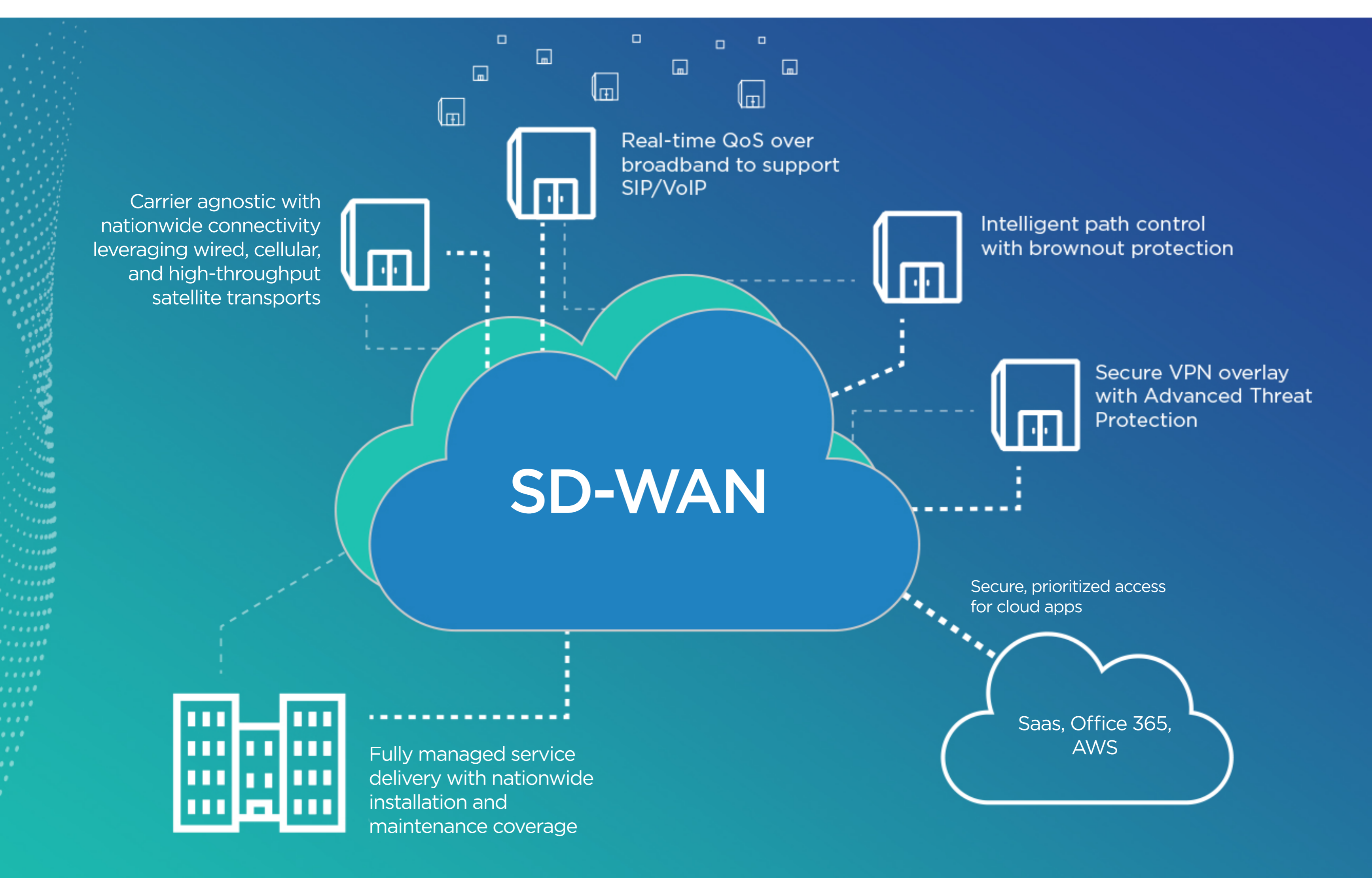
Cloud Access



- Secure cloud access at the edge
- Prioritize business over guest apps

Understanding the Hughes Managed SD-WAN

With the explosive growth in cloud and rich-media applications deployed at branches, distributed enterprises are seeking Next Generation WAN architectures that deliver high performance, non-stop application availability and industry leading security. Hughes Managed SD-WAN delivers all of these critical capabilities, along with improved agility and cost-effectiveness.



The HughesON™ Technology Difference

Hughes SD-WAN solution leverages our innovative ActiveTechnologies™ that transform ordinary broadband connections into enterprise-grade high performance WANs.

SD-WAN by the Numbers



ActivePath™

At the core of our SD-WAN solution! This newest feature incorporates novel algorithms and techniques that exploit the use of multiple branch paths. Intelligent Multipath Replication (IMR) ensures applications are delivered without interruption across the secure WAN overlay regardless of degradation on a single path.



ActiveClassifier™

Using heuristic algorithms to automatically and dynamically classify traffic based on flow behavior, it eliminates the time-consuming process of manually configuring and maintaining rules to classify and prioritize specific applications. URL and Domain-based policies can easily be applied to prioritize key cloud apps.



3 year increase in bandwidth demand per site from enterprise customers

Source: Hughes Customer Data Analysis



ActiveQoS™

Uniquely measures end-to-end capacity on broadband links, dynamically updating multi-level path priority queues and traffic shapers to best maximize branch bandwidth usage. This results in dramatically improved performance for VoIP and video traffic in an environment where individual branches may be subjected to different service plans.



ActiveCompression™

Achieve up to 300% higher throughput rates leveraging our 2-stage adaptive compression process. This reduces network congestion and improves application performance, especially at bandwidth constrained branch sites.



Percent of time branch impacted by network congestion during daily peak hour

Source: Hughes three month study of 1,900+ site enterprise with average speeds of 13x4 Mbps



Times better cost per bit of bandwidth, allowing enterprises to take advantage of Internet economies, decreasing WAN costs

Source: Gartner

The Hughes Managed Service Difference

Unlike other managed service providers, Hughes has a legacy of providing high quality and comprehensive managed network services for almost 40 years. With over 320,000 managed VPN endpoints, Hughes has risen to become a global market leader by delivering best-in-class products and services to clients around the world.



of WAN edge infrastructure refresh initiatives will be based on SD-WAN vs traditional routers by 2020; up from less than 2% in 2016.

Source: Gartner



Conclusion

As branch network demands continue to increase for distributed enterprises, Hughes remains committed to meeting those demands through innovation and exceptional customer service. Hughes SD-WAN addresses the many challenges facing the next generation multi-site networks. Through production experiences and proprietary technologies, Hughes delivers a service that resolves bandwidth, availability, and cloud access challenges. Trust Hughes as a market leader to provide the managed SD-WAN solution your business needs.

Bandwidth



- Broadband delivers up to 90% cost savings
- Rapidly deploy and upgrade

Availability



- ActivePath brownout protection
- Deliver QoS on broadband

Cloud Access



- Industry leading UTM at the edge
- Domain/URL prioritization