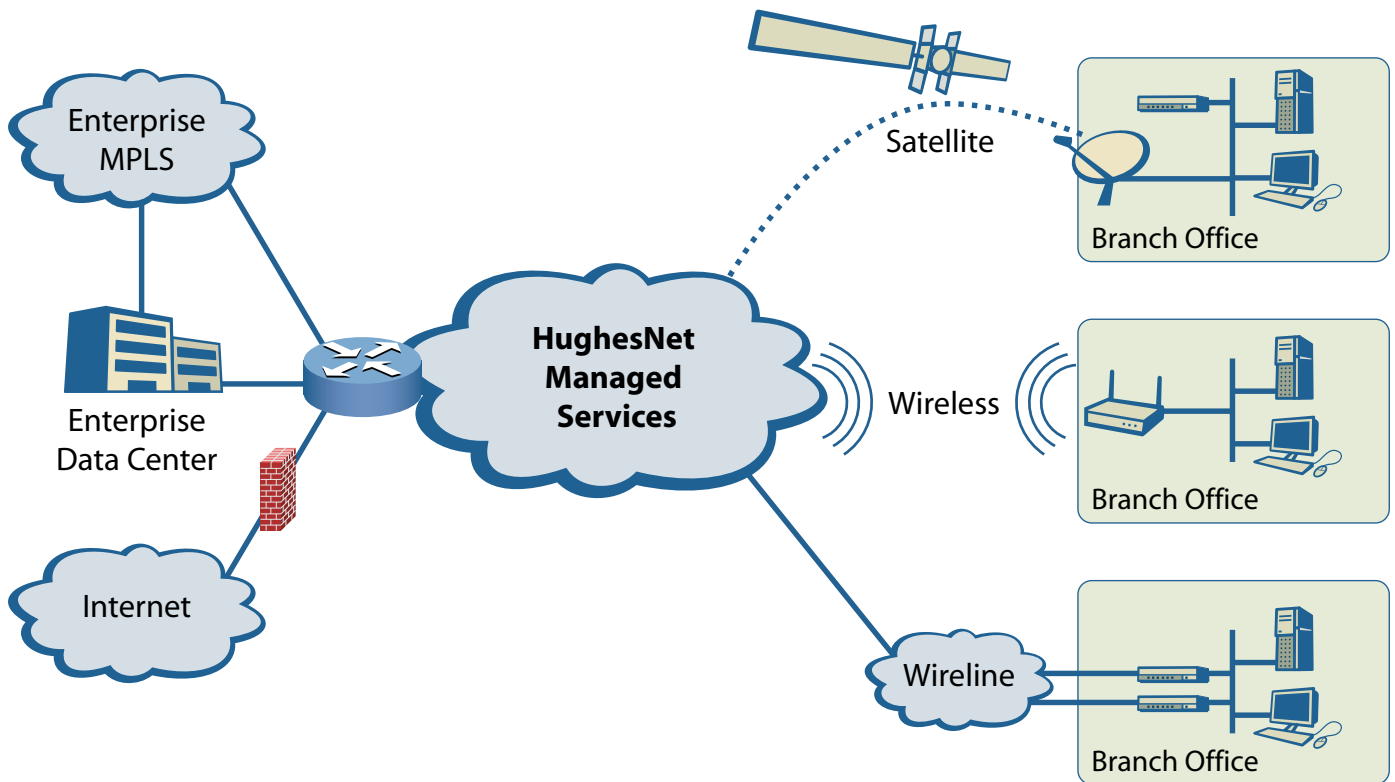


Private Network Capabilities

The recent launch of Hughes' new state-of-the-art SPACEWAY 3 satellite enables Hughes to offer 'MPLS-like' private networking capabilities as part of its suite of HughesNet Managed Services for the SMB (small and medium business), enterprise, and government markets. HughesNet Managed Services are ideal for small to large multi-branch/office networks in industries such as retail, restaurant, petroleum, finance, manufacturing, agriculture, and utility companies.

In addition, SPACEWAY 3 satellite capabilities are seamlessly integrated with all landline broadband technologies Hughes offers, such as DSL, cable, T1, and EVDO—all part of the suite of HughesNet Managed Services.

HughesNet Private Networks deliver enterprise-grade networking at highly competitive prices. Ideal for multi-branch networks in commercial sector industries such as retail, restaurant, gas stations, finance, manufacturing, and agriculture as well as for the government sector, both at the Federal and State/Local levels.



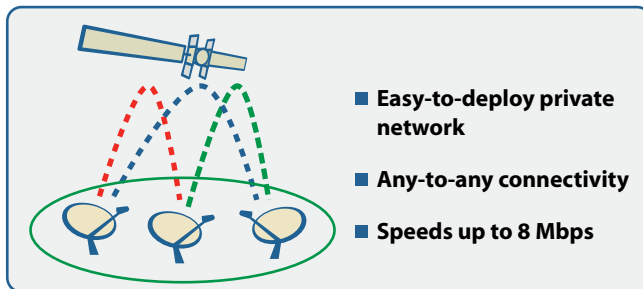
HughesNet Managed Services — Satellite, DSL, Cable, and EVDO

Unique Capabilities

Branch-to-Branch/Any-to-Any Connectivity

SPACEWAY 3 uses on-board routing technology to enable branch-to-branch/dish-to-dish connectivity. Each location with its own small satellite terminal is *directly* connected to all other locations in the network via a single satellite hop for superior performance. This “mesh” any-to-any connectivity eliminates the need for an expensive central hub or network operations infrastructure, as well as landline connections. HughesNet lets you build an easy-to-deploy private network that doesn’t touch the Internet and is 100% physically diverse from the terrestrial network.

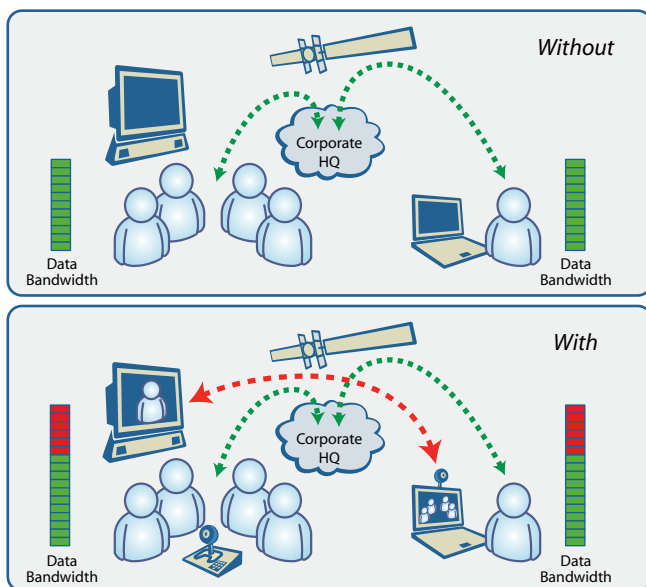
SPACEWAY 3 sends data and allocates bandwidth when and where the business needs it.



Branch-to-Branch/Any-to-Any Connectivity

Bandwidth-on-Demand

SPACEWAY 3 provides a unique bandwidth-on-demand capability designed to support CBR applications such as voice, video, videoconferencing, and new high-definition telepresence applications for true “life-like” face-to-face meetings eliminating expensive business travel. Pay for only the bandwidth when and where you need it, on either a flat monthly or a usage basis.



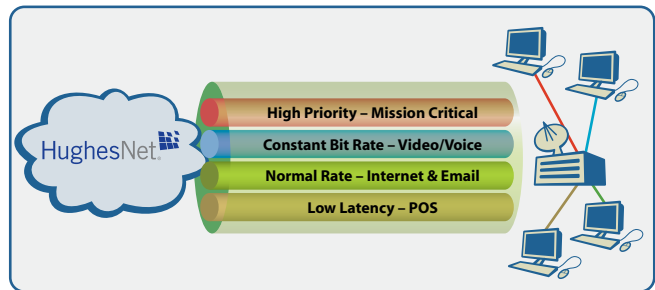
Bandwidth on Demand

Class of Service (CoS)

HughesNet provides multilevel prioritization so you can prioritize your business applications for the best performance possible, end-to-end, across the network.

HughesNet offers up to four levels of application priority.

- Mission-critical applications can be set to high-priority to ensure whatever applications require the highest priority get through all the time, no matter what other traffic is present.
- To support high-quality videoconferencing applications such as telepresence applications, HughesNet supports a CBR setting when jitter and dropped packets cannot be tolerated.
- Typical Web surfing, email, and intranet traffic can run at the normal priority, bandwidth-efficient setting.
- Point-of-Sale (POS) traffic can be set at low volume/low latency to ensure this revenue-generating traffic always gets through in the most efficient manner possible.



Class of Service (CoS)

HughesNet Managed Services Suite

The HughesNet Managed Services suite comprises the following distinct offerings:

- **Optimized VPN**—a secure, reliable and cost-effective solution available anywhere in the US using either DSL, cable, EVDO, or satellite at each branch location. Ideal for distributed enterprises looking to migrate from dial-up to a broadband VPN solution.
- **High-Availability VPN**—a reliable solution with the functionality of MPLS but at a savings of as much as 30% using both broadband DSL/cable and satellite at each branch location. Ideal for distributed enterprises looking to migrate from Frame Relay to T1-based MPLS services.
- **Access Continuity**—designed to guard against man-made and natural disasters by providing a totally diverse satellite broadband backup path when an existing landline connection fails.

Private Network Plans

HughesNet Private Networks provide you the utmost in flexibility. You choose a D-Plan on a per-site basis, depending on the data needs of that site. Plans are designated by upstream speed and can either be provisioned as burstable or dedicated bandwidth. Burstable plans are typically ideal for branch locations where headquarters may require dedicated bandwidth to support more traffic volume. All plans can receive downstream of up to 8 Mbps.

With speeds of up to 2 Mbps for upstream and 8 Mbps for downstream, your options are virtually unlimited. Be it transaction processing, Internet, intranet, video, voice, or all of the above—you can have the plan to support it!

As your business grows, HughesNet can grow with you. Need more bandwidth? Just upgrade your plan. It is as simple as that.

S Plans

Shared transport plans, or S Plans, are ideal for large networks (100+ sites) or companies who do not wish to have a satellite installation (satellite antenna and CPE/router) at their headquarters location. In this case, the headquarters/data center is connected via a leased-line or Internet VPN backhaul to the Hughes Network Operations Center (NOC) and shares the facility. This is how traditional satellite networks are configured.

D Plans

Dedicated transport plans, or D Plans, are ideal for both the small networks (100 sites or fewer) and larger networks where the headquarters location and each branch location is equipped with a Hughes satellite terminal. This network is dedicated to the specific enterprise and does not share services from the Hughes NOC. Both S and D Plan deployments are totally secure and provide private network connectivity.

SPACEWAY 3 provides the highest transport speeds in the satellite industry. S Plans support up to 1 Mbps upstream and up to 3 Mbps downstream. D Plans support up to 2 Mbps upstream and up to 8 Mbps downstream depending on the business application(s) to be supported.

Overlay Plans

In addition to the underlying transport services that the S and D Plans provide, Hughes can provide two overlay services, one for Internet access called Business Internet (BI) Plans, the other to support bandwidth-on-demand applications called Constant Bit Rate (CBR) Plans. These overlay plans are additive to D Plans both in pricing and speeds.

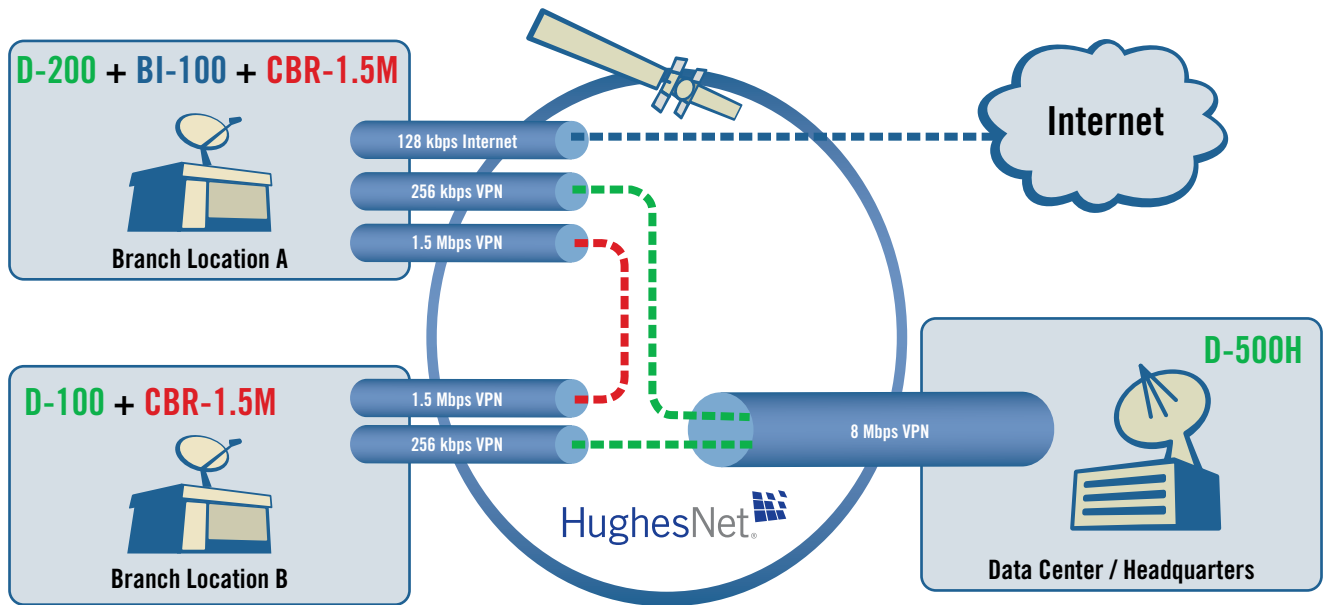
S PLANS			
	Plan	Upstream	Downstream
Remote Branch Plans	S-50	64 kbps	1 Mbps
	S-100	128 kbps	1 Mbps
	S-200	256 kbps	1.5 Mbps
	S-300	512 kbps	2 Mbps
	S-400	1024 kbps	3 Mbps
D PLANS			
	Plan	Upstream	Downstream
Remote Branch Plans	D-50	64 kbps	Up to 8 Mbps
	D-100	128 kbps	
	D-200	256 kbps	
	D-300	512 kbps	
	D-400	1024 kbps	
Data Center/Headquarter Plans	D-100H	128 kbps	Up to 8 Mbps
	D-200H	256 kbps	
	D-300H	512 kbps	
	D-400H	1024 kbps	
	D-500H	2048 kbps	
OVERLAY PLANS			
	Plan	Upstream	Downstream
Internet Access	BI-50*	128 kbps	1 Mbps
	BI-100	128 kbps	1 Mbps
	BI-200	256 kbps	1.2 Mbps
Constant Bite Rate	CBR-32	32 kbps	32 kbps
	CBR-384	384 kbps	384 kbps
	CBR-1.5M	1.5 Mbps	1.5 Mbps

Burstable/Up to

Dedicated/Committed Rate

*Low volume plan

Service Plan Example Network



D Plan with Overlay Internet Access and Direct Connect Plan

In the above example, the following concurrent applications are supported through the network:

Location A —

- Internet access at 128 kbps/1 Mbps (upstream/downstream)
- VPN connection to the Data Center at 256 kbps/2 Mbps (upstream/downstream)
- Videoconferencing connection to Location B at 1.5 Mbps

Location B —

- VPN connection to the Data Center at 256 kbps/8 Mbps (upstream/downstream)
- Videoconferencing connection to Location A at 1.5 Mbps

Whether your business is large or small, whether you want to support data, voice, or high-definition video, HughesNet has you covered. HughesNet Managed Services provide broadband connectivity that is secure, reliable, and cost effective anywhere you do business. HughesNet Managed Services, enabled by SPACEWAY 3, will meet your application needs today and into tomorrow. Let Hughes manage your network, so you can manage your business.



To learn more about HughesNet Managed Services, call a Hughes representative today at 1-866-240-3875 or visit our Website at www.enterprise.HughesNet.com.

www.hughes.com

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