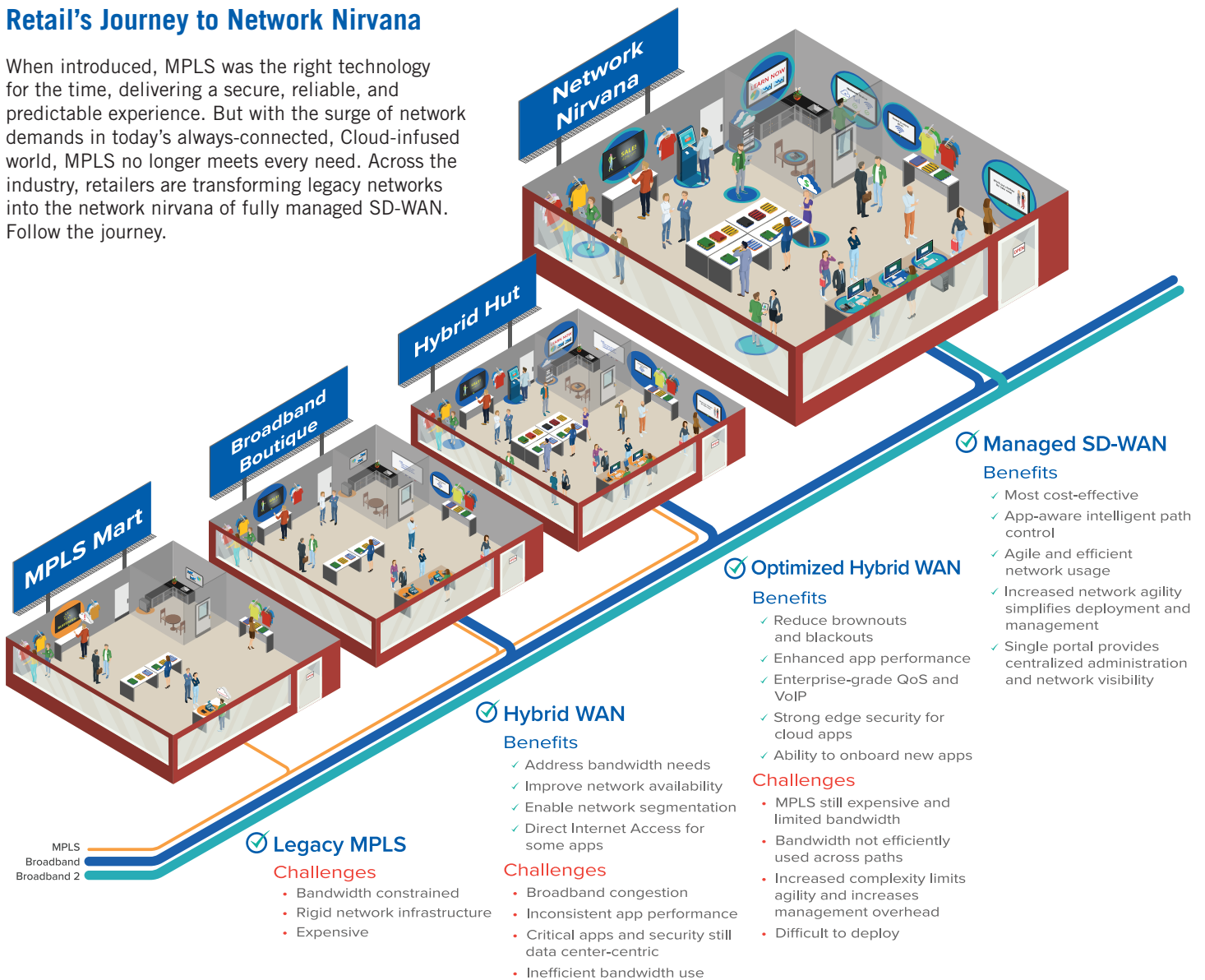# From MPLS to Managed SD-WAN

Retail's Journey to Network Nirvana

When introduced, MPLS was the right technology for the time, delivering a secure, reliable, and predictable experience. But with the surge of network demands in today's always-connected, Cloud-infused world, MPLS no longer meets every need. Across the industry, retailers are transforming legacy networks into the network nirvana of fully managed SD-WAN. Follow the journey.

Network Nirvana

Hybrid Hut

Broadband Boutique

MPLS Mart

MPLS
Broadband
Broadband 2

✓ Legacy MPLS

Challenges
- Bandwidth constrained
- Rigid network infrastructure
- Expensive

✓ Hybrid WAN

Benefits
- ✓ Address bandwidth needs
- ✓ Improve network availability
- ✓ Enable network segmentation
- ✓ Direct Internet Access for some apps

Challenges
- Broadband congestion
- Inconsistent app performance
- Critical apps and security still data center-centric
- Inefficient bandwidth use

✓ Optimized Hybrid WAN

Benefits
- ✓ Reduce brownouts and blackouts
- ✓ Enhanced app performance
- ✓ Enterprise-grade QoS and VoIP
- ✓ Strong edge security for cloud apps
- ✓ Ability to onboard new apps

Challenges
- MPLS still expensive and limited bandwidth
- Bandwidth not efficiently used across paths
- Increased complexity limits agility and increases management overhead
- Difficult to deploy

✓ Managed SD-WAN

Benefits
- ✓ Most cost-effective
- ✓ App-aware intelligent path control
- ✓ Agile and efficient network usage
- ✓ Increased network agility simplifies deployment and management
- ✓ Single portal provides centralized administration and network visibility

For additional information, please call 1-888-440-7126 or visit business.hughes.com.

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