

Speedcast SD-WAN

Simplify your WAN management and operation



THE CRITICAL COMMUNICATIONS COMPANY



As networks and satellite connections grow, organizations require network management to combine different WAN link technologies to maximize their available bandwidth and application uptime while streamlining costs.

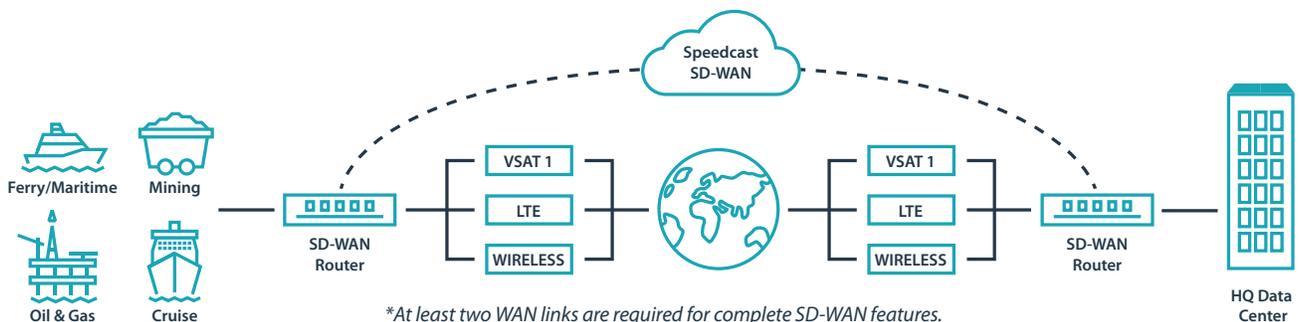
Speedcast's advanced software-defined wide area network (SD-WAN) solution seamlessly blends satellite, LTE, wireless and fiber technologies into a single optimized and secure WAN path that delivers the highest-quality uptime — all the time. Designed for onshore and off-shore markets, our solution provides reliability and best availability by dynamically using the highest-quality link(s) to access applications across multiple networks.

Speedcast customized SD-WAN services can optimize your connection to AWS cloud services through our Direct Connect link to seamlessly integrate cloud-based applications into on-network services.

SPEEDCAST ADVANTAGES

- Highest uptime availability, providing predictable application performance
- Multiple satellite beams (C, Ku and Ka), LTE and wireless
- Dynamic link bandwidth aggregation by combining the best WAN links available to maximize throughput
- End-to-end solution with centralized management
- Unprecedented WAN visibility
- High-end user quality of experience (QoE), even at +90% link bandwidth utilization
- Non-disruptive deployment with existing WAN links for easy install

To learn more about Speedcast SD-WAN solutions, visit www.Speedcast.com or email info@Speedcast.com.



GLOBAL SD-WAN SOLUTIONS

Standard SD-WAN Solution

- Available for customers with wireless, VSAT and LTE services landing in Europe and North America
- Maximizes Speedcast infrastructure to reduce investment costs and minimize hardware and license requirements
- Preconfigured for quick deployment
- Predictable low monthly fees

Customized SD-WAN Solution

- Ideal for organizations with one or more sites in a region
- Tailored to individual corporate business needs
- Dedicated equipment for the customer via local Speedcast teleport and remote site
- Option to use a single dedicated server for multiple sites within a region

SD-WAN CUSTOMER USE CASE

Overview

- A major energy-sector customer uses dual LTE links to provide connectivity to nearshore platforms, one as primary and the other as backup. Providing a third level of failover is a VSAT link.
- Traditional dynamic routing protocol keep-alive messages are used to trigger failover.
- Standard routing protocol metrics are used to manipulate the WAN path selection.

Challenges

- Two LTE links up at the same time may cause asymmetric routing issues and transmission failures.
- Traditional routing protocols that rely on keep-alive messages are slow to reconverge.
- Degradation of LTE signal strength does not trigger the failover process.
- Manual failover to the VSAT link is required when both LTE links are completely down.
- No bandwidth aggregation available — just using one link at a time.

Approach

- Speedcast's subject matter experts worked closely with the customer to assess the client's needs and deploy the most suitable SD-WAN solution.
- The client agreed to deploy the customized Speedcast SD-WAN solution to its first site, with possible future extensions to multiple sites in the region.
- Speedcast's field engineering team installed the SD-WAN solution in one day. It's continuously supported by the Speedcast Customer Service Center with proactive monitoring around the clock.

Results

- Automated route detection: Degraded links are quickly detected and automatically rerouted in real time, eliminating problem links for a seamless customer experience.
- Binding LTE links: Ability to aggregate multiple LTE links into a single high-throughput connection.
- LTE bandwidth metrics: Speedcast provides LTE metrics to ensure LTE delivery meets the contracted rates.
- WAN visibility: A complete view of the performance of WAN paths and bandwidth usage over time is provided so adjustments can easily be made as the client's business needs change.

As a result of this pilot, the customer has deployed Speedcast SD-WAN solution to multiple sites in the region.

ABOUT SPEEDCAST

Speedcast is the world's most trusted communications and IT services provider, delivering critical communications solutions to the Maritime, Energy, Mining, Media, Telecom, Cruise, NGO, Government and Enterprise sectors. With more satellite capacity than any other provider, Speedcast enables faster, seamless pole-to-pole coverage from a global hybrid satellite, fiber, cellular, microwave, MPLS and IP transport network with direct access to public cloud platforms. With a passionate customer focus and a strong safety culture, Speedcast serves more than 3,200 customers in over 140 countries.

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