Lumen® Vyvx® Edge

Next – level SRT & RIST – based video transport solution

Vyvx® Edge is designed to connect two or more endpoints for the purposes of delivering secure, low latency and reliable broadcast quality video over the public Internet. Vyvx® Edge supports the latest protocols, primarily SRT, but al so RIST, Zixi, and others. These protocols provide live and recorded video over the Internet while accounting for packet loss and jitter, maintaining the integrity and quality of the video.

Feeds can traverse the Vyvx® award-winning network to/from the public Internet or solely across the Internet. Customers can use their existing internet connection or Lumen's award-winning internet services. Vyvx® Edge can be bundled with other Lumen and Vyvx® products including MVNS, Encoding, Broadcast Fiber Teleport & Satellite Services, VenueNet, Linear Channel Distribution, and Cloud Connect Services.

Benefits

- **Reliability**
  Protects against jitter and packet loss from public networks to enhance the viewing experience

- **Low latency**
  Leveraging the extensive reach of the Lumen internet backbone, transmission latency is optimized across access and core network infrastructure

- **Security**
  Delivery of content across Vyvx Edge is protected from unauthorized reception utilizing widely trusted AES 128/256-bit encryption methods

- **Firewall traversal**
  Protocol handshaking methods leveraged by Vyvx® Edge support outbound connection requests that eliminate the potential risks associated with having Internet-facing ports permanently opened in a firewall allowing for a simple yet secure implementation.
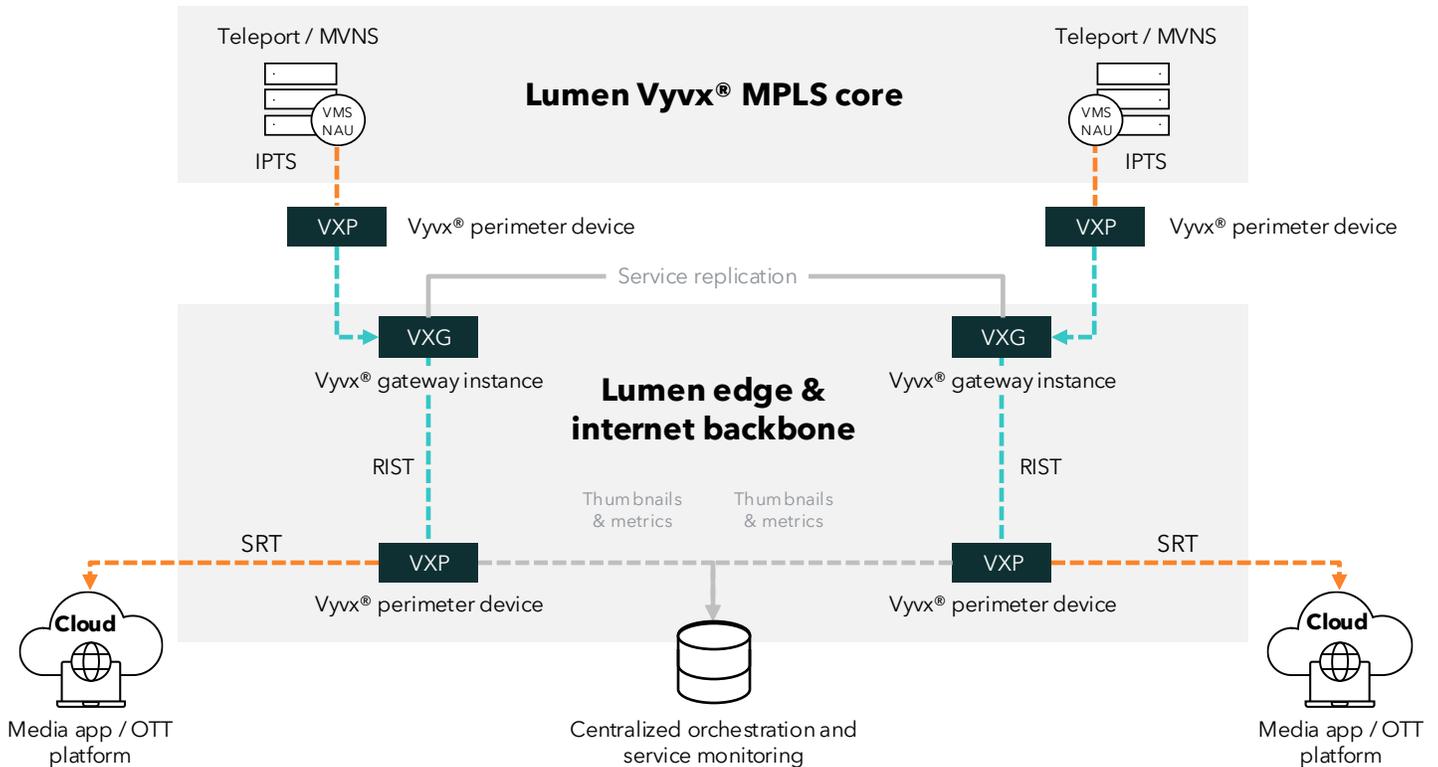

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Key features

Lumen Vyvx® Edge key features include:

- Packet loss recovery through advanced low latency retransmission protocols including SRT, RIST, etc.
- End-to-end security with AES 128/256-bit encryption
- Video and audio feed timing recovery
- Network health monitoring between endpoints (packet loss, latency, jitter)
- Simplified firewall traversal

Applications

Vyvx® Edge can be used for remote sporting events, news, OTT and other applications. Finally, these feeds can be packaged with Vyvx® Cloud Connect that delivers full-time channels and occasional-use content straight to Google Cloud, AWS or Azure for easy, reliable broadcast-quality end-to-end workflows. See below for an example of such a configuration:

Why Lumen?

From content acquisition to encoding, distribution and security, Lumen end-to-end solutions for media companies can help you deliver secure and lightning-fast experiences to your audiences, all from a single provider. Lumen benefits from more than 30 years of experience building technology for some of the largest global enterprises.

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