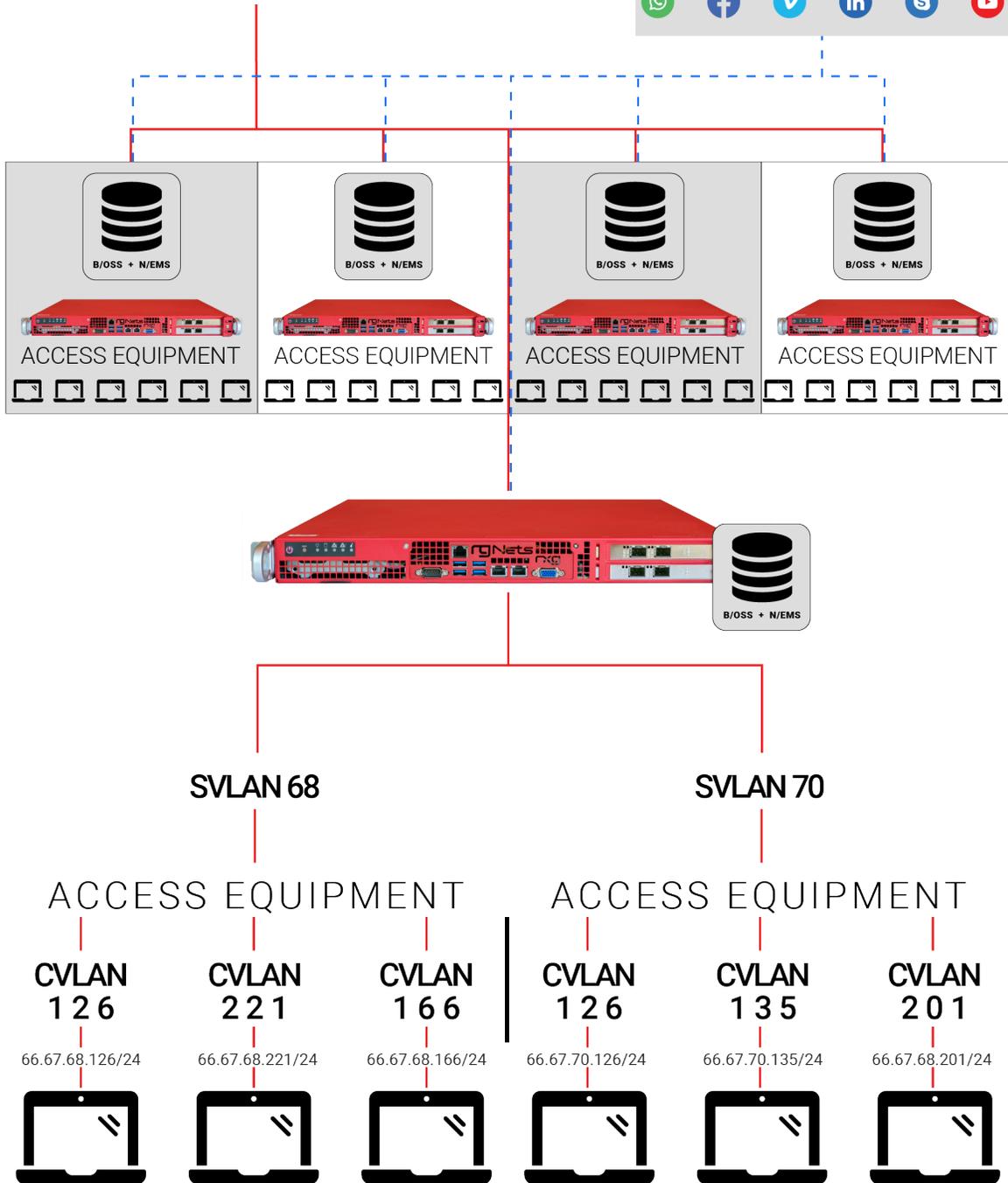




Distributed B-RAS

WITH THE REVENUE EXTRACTION GATEWAY

Fleet Manager



Broadband Remote Access Server

The rXg is the next-generation Broadband Remote Access Server (B-RAS) that is revolutionizing the way ISPs connect with their customers. As the B-RAS, rXg sits at the edge of the service provider network where it facilitates the convergence traffic of a group of subscribers. With its advanced technology, rXg aggregates and manages all user sessions from the access network for a seamless internet experience.

The rXg stands apart from other B-RAS platforms because it incorporates a broad spectrum of capabilities to make it a truly comprehensive all-in-one ISP solution. In addition to advanced data plane functionality, rXg also includes control plane Business/Operations Support System (B/OSS) and management plane Network/Element Management System (NMS/EMS) functionality. This integration of essential network management and customer facing functions with advanced data plane capabilities makes rXg a one-of-a-kind solution that offers unparalleled efficiency and ease of use. The rXg's unique combination of functionality ensures that ISPs have a complete and centralized solution for managing their broadband networks and delivering fast and reliable services to their customers.

The dataplane of rXg as a Broadband Remote Access Server (B-RAS) is designed to provide ISPs with a comprehensive solution for managing their broadband networks. The rXg's advanced Border Network Gateway (BNG) functionality allows a single layer 3 subnet of public IP addresses to be microsegmented into multiple layer 2 Virtual Local Area Networks (VLANs), providing significant cost savings for ISPs. This cutting-edge capability provides increased security, flexibility, and scalability, ensuring a seamless and reliable internet experience for customers.

Layer 2 microsegmentation, including VXLAN and Q-in-Q, is a key feature of the Border Network Gateway (BNG) functionality within rXg as a Broadband Remote Access Server (B-RAS). Unlike other solutions, rXg's BNG is designed to be asymmetric, providing a level of customization and flexibility that is unparalleled in the industry. This means that a customer can request multiple

public IP addresses and be served alongside other customers who, for example, only have a single public IP, all while sharing the same public IP block. The integration of B/oSS functionality within rXg allows for real-time, on-demand allocation of public IP addresses, making it a highly flexible solution that can adapt to the changing needs of ISPs and their customers. With its asymmetric layer 2 microsegmentation, rXg's BNG is the solution for ISPs looking to stay ahead of the curve and deliver the most advanced and customized broadband services.

The integration of rXg's advanced BNG functionality with its Border Gateway Protocol (BGP) is another key aspect of its dataplane. BGP enables dynamic routing and provides increased network stability, security, and scalability. With the public IP addresses tied into BGP, rXg provides a powerful and efficient solution for ISPs to manage their broadband networks and deliver fast and reliable services to their customers. Whether it's ensuring high-speed data transfer or enforcing quality of service policies, rXg's dataplane is the solution for ISPs looking to stay ahead of the curve and deliver state-of-the-art broadband services.

The rXg as a Broadband Remote Access Server (B-RAS) is designed to empower ISPs with a powerful and flexible solution for managing their broadband networks. With its advanced Border Network Gateway (BNG) functionality, layer 2 microsegmentation capabilities, and integration of B/OSS and NMS/EMS, rXg provides a comprehensive solution for delivering fast and reliable broadband services. Whether it's providing public IP addresses on-demand, enforcing quality of service policies, or ensuring high-speed data transfer, rXg is the solution for ISPs looking to stay ahead of the curve and deliver the future of broadband connectivity. Empower your network with the power of rXg and experience the future of broadband connectivity today.



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