

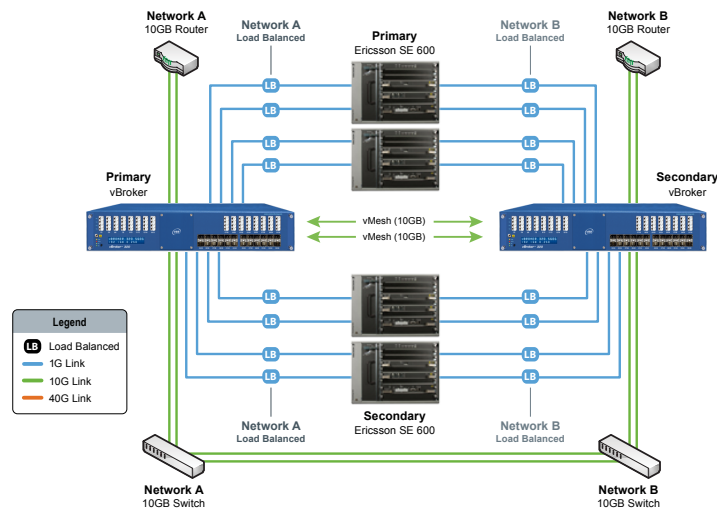
Customer Pain Points	VSS/Ericsson Solution
<p>Packet source-link information is lost in aggregated traffic. In most capture systems, as traffic is aggregated, information about where the traffic came from is lost. As a result, when CEA detects performance or quality problems based on one or more packets, it can't identify the source link of the packets for purposes of troubleshooting and problem resolution. How would customers benefit from the combination of features VSS provides?</p>	<p>VSS Monitoring provides link-level visibility by time- and port-stamping each packet as it enters the monitoring infrastructure before it is aggregated, allowing CEA to recreate the failure scenario by identifying the source and order of all packets. In addition, fragmented packets can be re-assembled, duplicated packets can be selectively dropped and DPI solutions can be optimized with pre-process filtering.</p>
<p>Existing 1G analyzers can't monitor 10G links and 40 G speeds will be quickly adopted. A speed mismatch between the links to be monitored and existing Ericsson analyzers leads to gaps in coverage. 40 G infrastructure will soon be widely adopted, how can customers keep up most cost effectively, with the constant increase in network speeds?</p>	<p>The VSS Monitoring network packet broker system bridges the gap between 10/40G links and 1/10G analyzers, using selective hardware-based filtering, high data burst buffers and session-aware load balancing to make sure CEA receives only the specific traffic it needs to see (e.g. from specific VLANs), and that no packets are lost to oversubscription or data bursts.</p>
<p>Ericsson analyzers are congested with irrelevant traffic. Some network packet brokers send all captured traffic to the analyzers, even those dedicated to a specific application that only need to see a fraction of the traffic. Ericsson analyzers are overwhelmed as they attempt to filter out irrelevant packets.</p>	<p>Hardware-based filtering directs the right traffic, and only the right traffic, to each analyzer. The end-user can configure the VSS Monitoring network packet broker to isolate a specific application or traffic type. Session-aware load balancing distributes traffic to multiple analyzers while keeping sessions intact by sending all traffic related to a specific session to the same analyzer.</p>

Use Case 1 – Reduce monitoring infrastructure costs

vStack, high data burst buffers, session-aware load balancing, vBroker Expert edition

Expand and maintain the monitoring infrastructure automatically with a self-aware, self-healing architecture

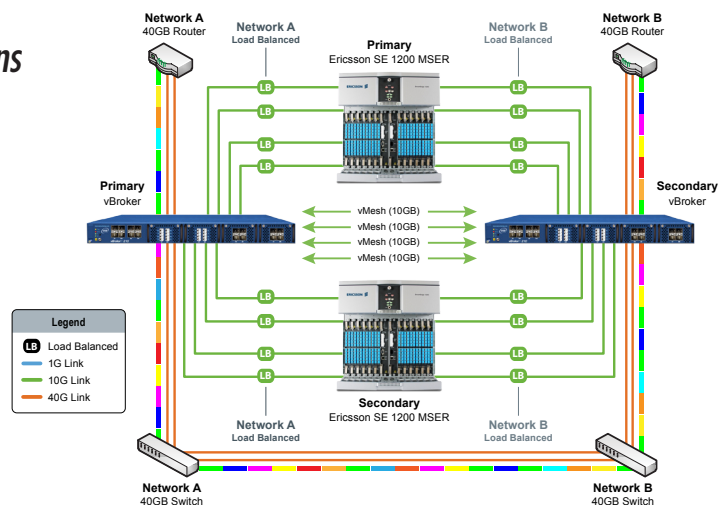
- Scale the centralized monitoring infrastructure without the need for direct physical connections between TAPs using the existing network
- Capture 100 percent of traffic, even microbursts, reliably
- Balance captured traffic from 10G links to avoid oversubscribing 1G analyzers
- Avoid false alarms with session-aware load balancing



Use Case 2 – Monitor traffic with multiple encapsulations

Protocol stripping, vBroker Advanced and Expert editions

- Increase the bandwidth an analyzer can process by offloading processor-intensive tasks such as decapsulation and filtering
- Provide analyzer visibility into Layer 4 and beyond by stripping multiple tags and protocol layers, such as VLAN tags, MPLS labels, and GTP tunnels



Qualifying Questions

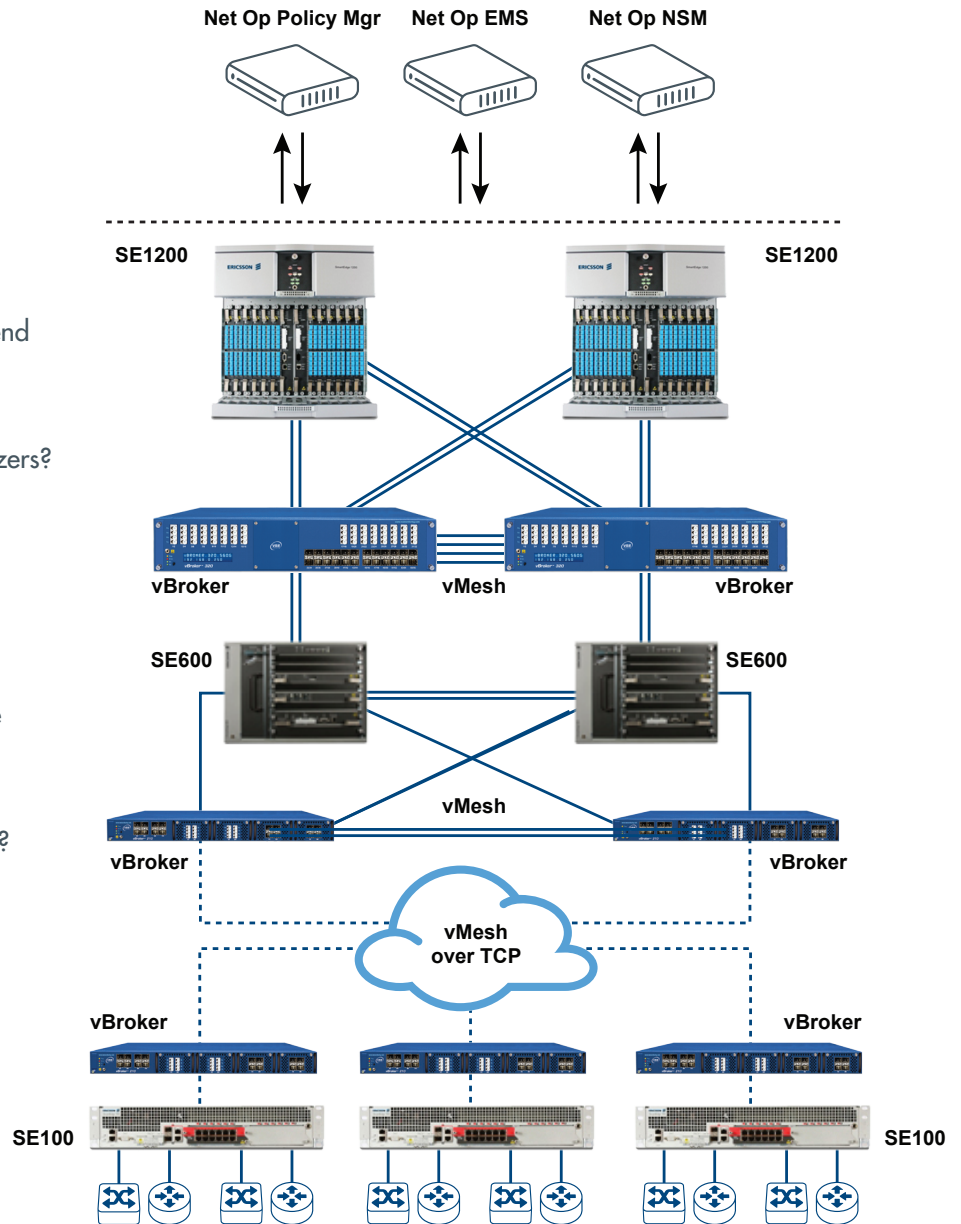
New Ericsson Deployments

- Does the customer application have bursty traffic, such as video?
- Does the customer need to monitor links that vary in speed and utilization levels?
- Does the customer need network visibility down to the link level?
- Does the customer need to filter packets to send specific traffic types to specific analyzers?
- Does the customer need to load balance session-oriented traffic across multiple analyzers?

Existing Ericsson Deployments

- Are your existing analyzers oversubscribed?
- Are you adding additional analyzers?
- Are you expanding the number of links to be monitored?
- Have higher speed links been added to the network since the initial Ericsson deployment?
- Do you want to monitor higher-speed links with existing lower-speed analyzers?
- Does your configuration require the same traffic to be sent to multiple analyzers?
- Do you need to load balance session-oriented traffic across multiple analyzers?

Solution Example



Ericsson & VSS Monitoring Products

VSS Monitoring Network Packet Brokers access and deliver traffic from one or more full-duplex networks to one or more Ericsson network intelligence tools. VSS provides policy-based triggers, filtering, and load balancing combined with packet optimization and specific application features to provide redundant network intelligence system building for full LAN, WAN, or cloud-based network visibility.

Contact Us

For more information on the VSS/Ericsson partnership, including relevant Solution Briefs, Use Cases, Product Brochures and Whitepapers, please go to <http://www.vssmonitoring.com/partners/alliances/Ericsson.asp> or scan:



For more resources: Ericsson@vssmonitoring.com