Access and Visibility of Critical Data

The VERSAstream™ Product Line
Access Critical Data

Corporations continue to expand and upgrade their networks. The desire to access critical data points and gain visibility into data flows are in high demand.

Monitoring, recording, and analyzing user activity, application performance and detecting threats are daunting tasks. Getting to all the data is imperative. Datacom Systems provides a solution that ensures secure access and complete visibility to all data, anywhere on the network, 24x7, without the need for configuration management or change order approvals.

Our VERSAstream series connects to multiple high speed links, 10/100/1000 Mbps or 10Gbps, via SPAN/Mirror ports or TAPs and aggregates all the traffic at line rate. The traffic is sent through an intelligent filtering algorithm. The specific desired traffic can be replicated and delivered to any tool connected to the VERSAstream ports. Multiple tools can now perform their specialized functions on easier-to-identify data flows at more manageable data rates.
Cost Avoidance, Cost Containment, and Cost Reduction
At a fraction of the cost, VERSAstream facilitates the ability to view what is taking place on the network, 24x7. Network Architects are often faced with deploying many, very expensive tools throughout their networked infrastructure. Network and Security teams spend a lot of time attempting to justify the cost of the monitoring solution. With VERSAstream in place, you can aggregate hundreds of network connections and provide only the information needed to a reduced number of tools. The money saved by using VERSAstream delivers an immediate “Day One ROI”.

Overcome your SPAN/ Mirror Port issues and take the heat off of your switches’ processors
SPAN/Mirror ports have been and will continue to be a viable option to help monitor a network. However, contention for these ports is not an option when different teams need access to the same port at the same time! VERSAstream relieves the contention between parties trying to connect their tool to the SPAN/Mirror port. Simply connect the SPAN/Mirror port to the VERSAstream Network port, connect multiple tools to the VERSAstream Tool ports, and begin sending specified traffic from the SPAN/Mirror port to any or many tools.

Monitor 10Gbps connections with 1Gbps Tools
With the explosion of 10Gbps connections in the data centers, many customers are unable to monitor the connection because their existing tools have 1Gbps interfaces. The mismatch was difficult to overcome until now. VERSAstream can take the feed from 10Gbps connections at full line rate and divide the traffic into much more easier to identify flows at much more manageable data rates. Tools can now get specific information from the 10Gbps connections and not be saturated with unwanted traffic. Even if you upgrade to tools with 10Gbps interfaces, there is a high probability that the tool can’t perform at line rate. Again VERSAstream helps by filtering the traffic to a more desired flow rate.

Faster Deployment of Monitoring and Troubleshooting Solutions
Companies spend a significant amount of their IT budget on determining what is happening with the network. With VERSAstream deployed in the network; any department, team or individual can connect any tool, any time to determine specific events taking place in a networked infrastructure. VERSAstream streamlines the evaluation, implementation and use of these tools. Because VERSAstream tool ports are regarded as out of band, the need for a change order or configuration management is eliminated. Whether you are proactively monitoring network events or involved in an emergency troubleshooting session, VERSAstream can easily aggregate and filter traffic to a variety of monitoring and recording solutions in an any-to-any, any-to-many, many-to-any, or many-to-many configuration.
Aggregate SPAN ports

The VERSAstream range of products are out-of-band Network Packet Brokers (NPBs) that collect information from SPAN ports or Port Mirrors. They can also receive traffic from Network TAPs (test access ports).

Use VERSAstream Network Packet Brokers when:
- You want to share a high volume of traffic across multiple lower speed tools (load balancing).
- You want to collect information from SPAN or Port Mirrors.
- Your budget is limited, and you need to aggregate many SPANs into a single connection into a probe.
- You want to separate aggregation and regeneration functions from a TAP.
- You need to change link speed going into a probe or analyzer.
- You have a limited number of SPAN ports and need to make multiple copies of data.

Some other uses for VERSAstream Network Packet Brokers:
- You need to monitor both directions of full duplex transmissions but your monitoring tool only has one NIC (full duplex aggregation).
- You need to monitor aggregated* or non-aggregated traffic from one link with multiple tools (regeneration).
- You need to monitor aggregated or non-aggregated traffic from multiple links with one tool (link aggregation).
- The number of links you need to monitor exceeds the number of tools you have available (link aggregation).
- Your network links and tools are different media types (media conversion).

* The sum of aggregated traffic from all network links should not exceed 100% of the monitoring port bandwidth.

Receive Input from SPAN Ports.

The ports on the VERSAstream Data Access Switch are “any-to-any ports”, so they can be configured as either inputs (i.e. receive traffic from SPAN port or external taps) or outputs (i.e. send traffic to a tool). All VERSAstream models* have from four (4) to twenty four (24) any-to-any ports, so they function as out-of-band devices, allowing you to monitor SPAN traffic with one or many analysis tools.

Part of the VERSAstream product family
With VERSAstream, tools run faster, data is easier to work with, and issues are resolved more quickly.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>1G Ports</th>
<th>10/1G Ports</th>
<th>Media</th>
<th>Load Balancing</th>
<th>Aggregation</th>
<th>Regeneration</th>
<th>SSH</th>
<th>RADIUS TACACS+</th>
<th>CLI</th>
<th>GUI</th>
<th>SNMP</th>
<th>Traffic Counters</th>
<th>Dimensions (H X W x D)</th>
<th>Power Supplies</th>
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