

# NEXT COMPUTING CONTINUUM PCAP

## Innovative High-Speed Packet Capture Solutions

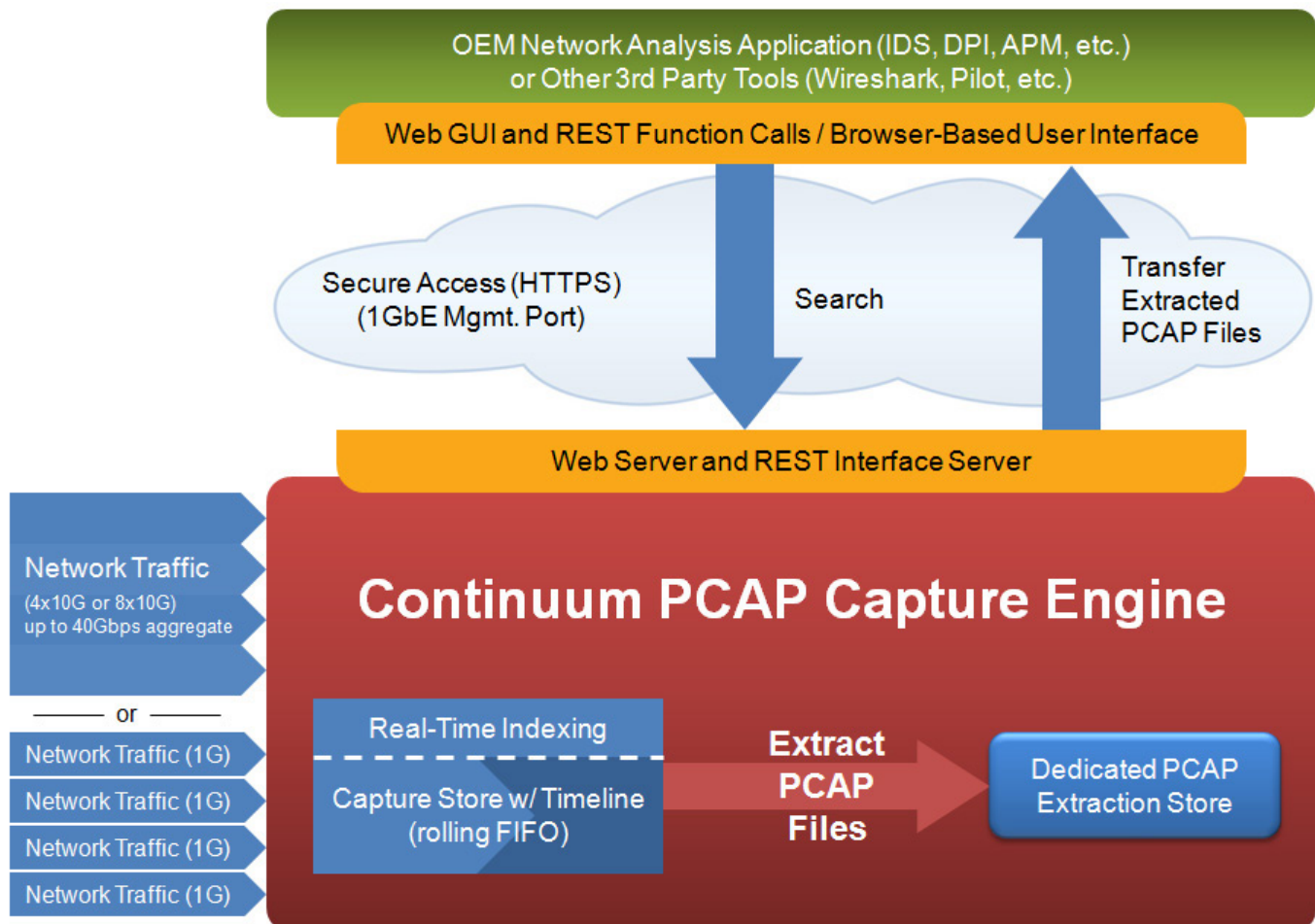
With the rapid increase in IP-based communications, enterprises and telecommunications providers are struggling to keep pace with numerous network-related tasks, including cyber security/incident response, network performance monitoring, and corporate/government compliance. There are a number of highly sophisticated network analysis tools available for addressing network issues, such as NetFlow analysis or intrusion detection, but without reliable, high-speed packet capture you're not getting all the information you need.

Low-end or home-grown packet capture solutions often don't have the performance needed to quickly index the data, query while recording, or provide reliable capture under peak network load conditions. Even expensive custom solutions

are often limited by inadequate storage the inability to offload your data to new open-source analysis tools.

Continuum PCAP is a powerful, enterprise-class packet capture engine available in innovative portable and rack-mount systems. It is designed from the ground up to provide you with full line-rate packet capture without the limitations of previous capture solutions.

Continuum PCAP is built for companies who want deep visibility into their network activity as well as OEMs who need a reliable capture engine for developing their own monitoring tools. This lossless, high-speed capture solution can be integrated into your existing infrastructure and combined with your preferred analysis tools.



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## Features

- Capture network traffic at line rates up to 40Gbps to industry-standard PCAP files with zero packet loss
- Each capture port is a separate stream with time stamping of every packet. Search-extract across all or selected ports in a federated way by time window and BPF filters
- Real-time indexing and timeline creation — index by time, IP address, or port
- Secure remote access via browser-based user interface
- Integrates with any 3rd party packet analysis tool that reads PCAP files, such as Wireshark, or your own software via REST API
- Completely open-standards, Linux-based architecture
- In-line compression:
  - 5% compressed payloads, 13:1 compression ratio
  - 10% compressed payloads, 6:1 compression ratio
  - 20% compressed payloads, 4:1 compression ratio
  - 40% compressed payloads, 2.4:1 compression ratio
- Search-extract stream:
  - Search-extract across all or selected capture ports in a federated way by time window and BPF filters
  - Full PCAP directory search, extract, and copy is between 1% to 50% of total search window (for example, a 5 minute search window takes between 3 seconds to 150 seconds to complete)
  - Un-compression in-line during the search-extraction process
  - Options for chain of custody search-extraction of tamper free PCAP files
  - Continuous compressed BPF filtered search-extract simultaneous with the overall capture so you can review BPF filtered packets with IDS and other tools near real-time

## Benefits

- Pre-configured appliance tuned for packet capture
- OEM platform for building sophisticated network analysis appliances - let Continuum PCAP handle the capture and integrate your analysis tools with our REST API.
- Deliver a turnkey solution using NextComputing's OEM services, including:
  - Hardware branding
  - Configuration management and tracking
  - Customized documentation
  - Engineering services, including performance testing, thermal analysis, and product customization
  - Appliance certification, including EMC, RoHS, etc.



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Model	Continuum PCAP 20x2	Continuum PCAP Plus Portable	Continuum PCAP Portable	Continuum PCAP Rugged
<b>Description</b>	High-speed, short-depth rackmount capture appliance with up to 20 removable hard drives	Transportable packet capture appliance with maximum storage	Transportable packet capture appliance	Rugged transportable packet capture appliance
<b>Network Interface Options</b>	<ul style="list-style-type: none"> <li>8 x 10G fiber SFP+ (4ns timestamp)</li> <li>4 x 10G fiber SFP+ (4ns timestamp)</li> <li>2 x 10G fiber SFP+ (10ns timestamp)</li> <li>Optional 4 x 1G copper RJ-45</li> </ul>	<ul style="list-style-type: none"> <li>4 x 10G fiber SFP+ (4ns timestamp)</li> <li>2 x 10G fiber SFP+ (10ns timestamp)</li> <li>Optional 4 x 1G copper RJ-45</li> </ul>		
<b>Search/Extract Data Rate (max)</b>	<ul style="list-style-type: none"> <li>40Gbps aggregate (4x10G or 8x10G)</li> <li>20Gbps aggregate (2x10G)</li> <li>10Gbps (1x10G)</li> </ul>		<ul style="list-style-type: none"> <li>20Gbps aggregate (4x10G or 2x10G)</li> <li>10Gbps (1x10G)</li> </ul>	
<b>Hardware Filter Options</b>	<ul style="list-style-type: none"> <li><b>Layer 3:</b> IP Address filtered at capture (all IP address types or IPV4 only, IPV6 only)</li> <li><b>Layer 3 and 4:</b> All transport protocols filtered at capture (or IP only, UDP only, ICMP only, IP and UDP only, IP and ICMP only, UDP and ICMP only)</li> <li><b>Layer 5 and above:</b> Port filtering across all ports or specific port numbers</li> </ul>			
<b>Total Capture Storage</b>	<ul style="list-style-type: none"> <li>7.2TB or 14.4TB (40Gbps aggregate capture option)</li> <li>9.6TB, 14.4TB or 19.2TB (20Gbps aggregate capture option)</li> <li>Optional SED/FIPS-140 Encryption capture option - 7.2TB or 14.4TB (40Gbps aggregate capture option)</li> </ul>	Up to 16TB	Up to 6TB	
<b>Interface</b>	<ul style="list-style-type: none"> <li>Built-in GUI or REST web API</li> <li>Network file access to inspect/ingest and review all recorded PCAP files</li> </ul>			
<b>Management</b>	IPMI 2.0 dedicated remote management interface via RJ-45 LAN port			
<b>Power</b>	<ul style="list-style-type: none"> <li>650W 110/220V 50/60Hz AC auto-switching, 1+1 redundant with hot-swap</li> <li>Optional additional 48V DC power input - dual DC and AC power</li> </ul>	<ul style="list-style-type: none"> <li>650W 110/220V 50/60Hz AC auto-switching, 1+1 redundant with hot-swap</li> <li>Optional additional 48V DC power input - dual DC and AC power</li> </ul>	<ul style="list-style-type: none"> <li>700W 110/220V 50/60Hz AC auto-switching</li> </ul>	
<b>Physical</b>	3U, 16.5" (W) x 5.25" (H) x 20" (D) Includes rack mount slides Front-access, removable capture store drives	<ul style="list-style-type: none"> <li>5.80" (D) x 17.37" (H) x 16.75" (W)</li> <li>Screenless portable appliance (controlled via laptop or other client device)</li> <li>Rear-access, removable capture store hard drives</li> <li>Includes telescoping handle hard case</li> </ul>	<ul style="list-style-type: none"> <li>5.8" (D) x 14.9" (H) x 16.57" (W)</li> <li>Screenless portable appliance (controlled via laptop or other client device)</li> <li>Rear-access, removable capture store hard drives</li> <li>Includes softcase</li> </ul>	<ul style="list-style-type: none"> <li>7.92" (D) x 17.53" (H) x 19.75" (W)</li> <li>Screenless portable appliance (controlled via laptop or other client device)</li> <li>Rear-access, removable capture store hard drives</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>Operating: 0°C–35°C / 32°F–95°F</li> <li>Non-Operating: -40°C–65°C, -40°F–149°F</li> </ul>			