

## Highlights

### Align Applications to Your Business

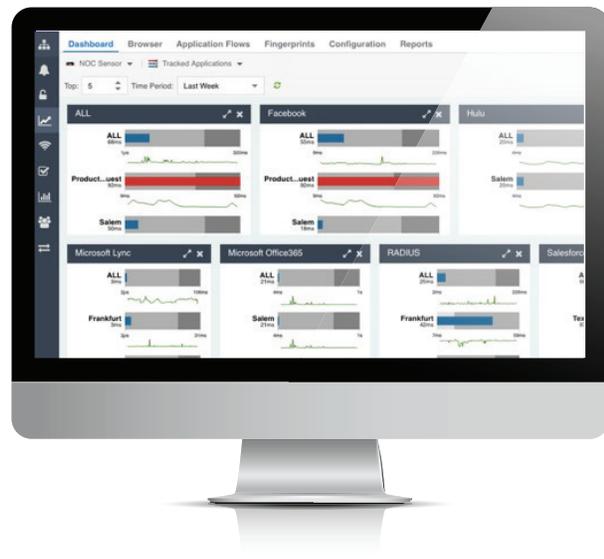
- Get actionable business insights into your applications, users, locations and devices
- Monitor and optimize application performance for superior quality of experience
- Gain insights from analytics that don't slow down your network with highly scalable transport layer independent application detection and decoding
- Intuitive dashboard providing real time insights

### Keep Your Network Secure

- Increase network security by tracking shadow IT, unapproved and malicious applications
- Know who, where and what is using your network with actionable insights to keep your network safe
- Proactively learn of issues or uncommon trends in your network and applications with thresholds, trending and alarms

### Increase Operational Efficiency

- Accelerate troubleshooting by separating network from application issues
- Spend less time monitoring applications with automatic performance alerting
- Simplify management across your entire network with one single pane of glass for management, policies, access control and application analytics
- Avoid service disruptions with pro-active performance monitoring and alerts



## ExtremeAnalytics™

Get actionable business insights through granular visibility into your applications.

You can only manage what you can see. You need a solution that tells you on an easy to read dashboard how your applications are performing and what the quality of user experience is. Are there any applications running on your network that you want to block? Any Shadow IT?

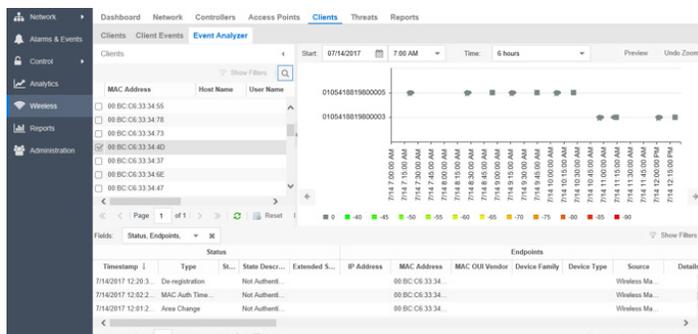
Get actionable business insights from your network with our ExtremeAnalytics. Granular visibility into network and application performance, users, locations and devices empowers you to make data-driven decisions to improve quality of experience and increase the business value of your network. Save operational costs, solve issues fast and deliver a superior quality of user experience with real-time data in one easy-to-read dashboard. Our solution speeds up troubleshooting by separating network from application performance, so you can quickly identify root-causes.

ExtremeAnalytics is a network powered application analytics and optimization solution that captures and analyzes context-based application information to deliver business insights on applications, users, locations and devices. You can better understand customer behavior on the network, identify the level of user engagement and assure business application delivery for optimized quality of experience. Track application adoption to determine the return on investment associated with application deployments. Our analytics solution empowers you to leverage application data from your network for new revenue-generating services. All of this automated, simple and powerful.

If you are in IT Operations, our ExtremeAnalytics gives you granular visibility across the wired and wireless networks, from the edge to the data center. When performance issues come up, you can pinpoint them quickly, so you can fix them before they become apparent to end-users. With accelerated troubleshooting and automatic alerting you can spend less time on monitoring application performance and focus your time and resources on strategic business initiatives. As part of our [Extreme Management Center](#), ExtremeAnalytics empowers you to automate your network infrastructure and security end-to-end by integrating with major enterprise platforms including network security, mobile management, analytics, cloud and datacenter. In addition, we offer an open northbound API for customized integrations. See a list of our [Extreme Technology Partners](#).

## Troubleshoot and Visualize all Wireless Clients With Our Intuitive Event Analyzer

An employee walks into her office in the morning and pulls out her cell phone. She automatically connects to the nearest AP. After lunch she walks up to the second floor of the office building for a meeting, where her phone connects automatically to a different AP.



Screenshot 1: Event Analyzer

While staff moves around their offices, monitoring users' quality of experience and troubleshooting can be challenging for IT, especially given the large number of events generated by disparate systems. Extreme's Wireless Event Analyzer makes it efficient to track down issues related to specific clients, locations or events. Our Event Analyzer gives you a granular visualization of the transitional states of wireless devices and offers you the following key benefits:

- Measure the quality of experience of each user, trends and possible issues with either the configured RF infrastructure or the devices.

- Provides visualization over a group of devices, including their RF history, so you can better understand the relative load on the APs serving an area.
- Allows you to quickly identify key events such as clients that roam between APs, how long and when a particular device was associated to a particular AP.
- Provides a quick assessment of potential issues related to client devices that frequently roam between access points with timeline and AP mapping. You can recognize such transitions faster in the cross-AP event timeline than from a typical log list.

## Manage Quality of Experience by Understanding Network and Application Performance in One Simple View

A powerful dashboard gives you a view of all applications across all locations and your wired and wireless network. We automatically measure and alert when the quality of experience of a designated application changes beyond standard deviation. This powerful dashboard empowers you to quickly take action with automated alerts that are sent when an application's performance goes out of range. We correlate the performance of applications to core network services so you can quickly understand whether the application or the network is at the root of the performance issue. With the application performance dashboard, you are proactively alerted about potential quality of experience issues before your customers complain.

## Get Contextual Data About Your Applications Without Performance Degradation

ExtremeAnalytics combines flow based technology with a rich set of application fingerprint techniques to detect and measure internally hosted applications (SAP, SOA traffic, Exchange, SQL, etc.), public cloud applications (Salesforce, Google, Email, YouTube, P2P, file sharing, etc.), and social media applications (Facebook, Twitter, etc.). This set of contextual data provides a full understanding of the applications running on the network, who's using the application, the devices being used, and where they are located within the network.

ExtremeAnalytics works closely with our [ExtremeControl](#) that provides visibility and control of wired and wireless devices, IoT devices and corporate/guest users. When used together, the additional contextual information from the access control solution is integrated with the network and application analytics. Information such as user, role, device type, and location are integrated with the application flows.

ExtremeAnalytics also offers integration into select third party equipment, such as Aruba Clearpass and Wireless IPFIX. Analytics support for application telemetry in Extreme XOS is also supported, providing valuable analytic information without the need for standalone sensors or collectors.

## Transport Layer Independent Application Fingerprinting

ExtremeAnalytics can identify more than 2,300 applications and includes behavioral detection-based fingerprints to ensure that even applications that attempt to conceal themselves, such as P2P, are detected appropriately. Through its robust fingerprinting technology, our solution is able to identify an application regardless of whether they run on well-known ports or use non-standard ports.

ExtremeAnalytics fingerprints and application groups are open and customizable allowing our customers, partners, and professional services teams to create new fingerprints and application groups to handle custom applications, specific reporting requirements and other needs. For example, many government organization run custom applications that they do not wish to share fingerprint information for. With the customization capabilities, they are able to measure and control the quality of experience for these applications.

## Identify Problems Proactively

ExtremeAnalytics separates application performance from network services performance and thus allows IT to focus on the resolution of issues. They don't need to spend time to determine which team should handle the problem. Our actionable insights with visibility and control of applications across the entire network infrastructure, from the wired or wireless edge all the way to the core and datacenter make managing a complex network less time consuming and costly.

## Appliance Options

### Hardware Appliance

Our ExtremeAnalytics appliance is a rack-mountable server with all capabilities pre-installed. Purchased applications (licensed separately) are activated via license keys:

- The ExtremeAnalytics Appliance PV-A-305, manages up to 1.3M flows per minute (FPM)

## Virtual Appliances

The ExtremeAnalytics virtual engines must be deployed on a VMWare or Hyper-V server with a disk format of VHDX. The VMWare Management Center virtual engines are packaged in the.OVA file format (defined by VMware). The Hyper-V Management Center virtual engines are packaged in the .ZIP file format. Refer to the Release Notes for appliance scalability number.

## Hardware Appliance Specifications

Product Part Number	PV-A-305 (88100)
<b>Appliance Specifications</b>	
Storage	960GB Enterprise SSD
RAID Configuration	N/A
Networking	2 x 1GbE
Graphics Ports	Front VGA, Rear VGA
Serial	RJ45
USB	2 x Front, 3 x Rear
TPM Version 2.0	Yes
Appliance Scale Number	Up to 1.3M Flow per minute
<b>Power Specifications</b>	
Power	750W 80+ Platinum Hot Pluggable
Power Supply Type	AC Redundant
AC Input Voltage	90Hz to 132V and 180V to 264V
AC Input Frequency	47Hz to 63Hz
<b>Physical</b>	
Rackmount	1U Rack
Dimensions (WxDxH)	16.93" x 27.95" x 1.72"
Weight	29 lb. (13.15 kg) Max
<b>Environmental</b>	
Operating	ASHRAE Class A2 – Continuous Operation. 10° C to 35° C (50° F to 95° F) with the maximum rate of change not to exceed 10°C per hour
	ASHRAE Class A3 – Includes operation up to 40C for up to 900 hrs per year.
	ASHRAE Class A4 – Includes operation up to 45C for up to 90 hrs per year.
Shipping	-40° C to 70° C (-40° F to 158° F)
Humidity (Shipping)	50% to 90%, non-condensing with a maximum wet bulb of 28° C (at temperatures from 25° C to 35° C)
Vibration (Unpackaged)	5 Hz to 500 Hz 2.20 g RMS random
<b>Warranty</b>	
Hardware	1 year parts and Labor

## Ordering Information

Part Number	Description
<b>ExtremeAnalytics Licenses</b>	
PV-FPM-100K	Purview License - Visibility for 100K Flows/Minute
PV-FPM-500K	Purview License - Visibility for 500K Flows/Minute
PV-FPM-1M	Purview License - Visibility for 1M Flows/Minute
PV-FPM-3M	Purview License - Visibility for 3M Flows/Minute
<b>ExtremeAnalytics Application Sensor</b>	
PV-FC-180	Purview Application Sensor - 4 ports 10GBASE-X via SFP+, front to back cooling (Power Supplies not Included - please order separately)
PV-FC-180-G	TAA Purview Application Sensor - 4 ports 10GBASE-X via SFP+, front to back cooling (includes 2 SSA-FB-AC-PS-B)
SSA-FB-AC-PS-B	AC power supply, 15A, 100-240VAC input, I/O side intake
<b>ExtremeAnalytics Appliance</b>	
88100	ExtremeAnalytics PV-A-305 Appliance - up to 1.3M FPM.
PV-V-50K-SYS-2	Purview 50K flow system with virtual engine includes: NMS-ADV-5, 50K FPM flow license, PV-FC-180, (3) MGBIC-02, (2) SSA-FB-AC-PS-B
PV-50K-SYS-2	Purview 50K flow system with hardware engine includes: NMS-ADV-5, 50K FPM flow license, PV-A-305, PV-FC-180, (3) MGBIC-02, (2) SSA-FB-AC-PS-B
<b>ExtremeAnalytics Per-User Subscription Pricing</b>	
97208-27001	ExtremeControl + ExtremeAnalytics subscription per-user subscription pricing. Includes unlimited number of end-system licenses, priced per user per year.

\* Note- Extreme Application Analytics was formerly known as Purview.

## Warranty

As a customer-centric company, Extreme is committed to providing quality products and solutions. In the event that one of our products fails due to a defect, we have developed a comprehensive warranty that protects you and provides a simple way to get your product repaired or media replaced as soon as possible.

The ExtremeAnalytics appliance comes with a one year warranty against manufacturing defects. Software warranties are ninety (90) days and cover defects in media only. For full warranty terms and conditions please go to: [Extreme Networks Product Warranty](#).

## Service and Support

Extreme Networks provides comprehensive service offerings that range from Professional Services to design, deploy and optimize customer networks, customized technical training, to service and support tailored to individual customer needs.

Please contact your Extreme account executive for more information about Extreme Service and Support.



<http://www.extremenetworks.com/contact> / Phone +1-408-579-2800

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