



Visual Performance Manager – Application Performance Appliance

Increase Control and Optimize the Delivery of Business Services

Features

- Hardened appliance for ease of installation and secure deployment
- Supports all IP, TCP and UDP applications
- Custom data acquisition card does filtering and de-duplication before analysis
- 1, 2, and 4 port versions reduce amount of required hardware
- Copper and/or optical link options
- 40 nanosecond accurate time stamping across multiple links
- Stores every transaction and client-server combination – no averaging
- Integrates with Visual Performance Manager

The Application Performance Appliance integrates with Visual Performance Manager to provide actionable visibility of end-user response times for your most critical business applications, allowing the organization to optimize the delivery of essential business services. Visual Performance Manager monitors and measures application performance even within multi-tiered server environments so performance affecting problems can be quickly identified, isolated and resolved minimizing the impact on the organization. Users can monitor all traffic including all TCP and UDP applications as well as user-defined custom multi-tiered applications.

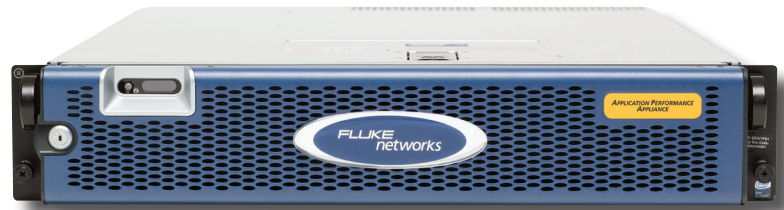


Figure1: Application Performance Appliance

The Application Performance Appliance is offered in 1, 2, and 4 port gigabit ethernet models that allow for processing of up to 4 gigabit data streams at full line rate, reducing the amount of required hardware for deployments. The Visual Performance Manager Application Performance Appliance stores and analyzes every TCP and UDP application transaction on the network giving unparalleled depth and breadth of visibility into end-to-end performance. Application performance is monitored over time and an intelligent baselining engine is employed to quickly and proactively provide notification of performance problems, minimizing the impact to the user community.

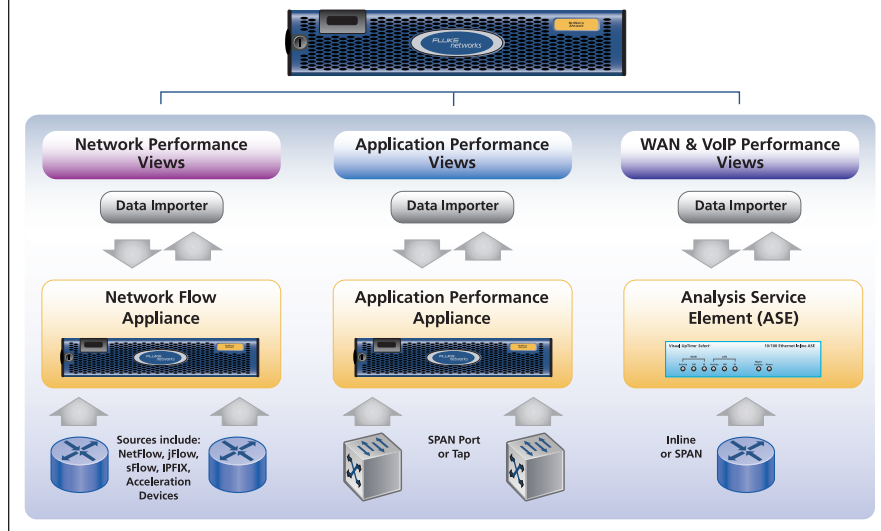
With the Application Performance Appliance, users can:

- Quantify application performance from the users' perspective
- Assign problem ownership and prioritize based on impact
- Facilitate collaborative troubleshooting among disparate support groups
- Manage multi-tiered application performance
- Become aware of potential problems before users complain
- Real time and back in time troubleshooting and analysis
- Report on actual service delivery vs. SLA

Understand how business critical applications are performing



Visual Performance Manager Architecture



Visual Performance Managers architecture allows integration of multiple data sources including the Application Performance Appliance.

Appliance Hardware Specifications

Processor	Dual Quad Core Xeon E5440 Processor 2x6MB cache, 2.83GHz, 1333MHz FSB
Memory	16GB 667 MHz (4x2GB), Dual Ranked Fully Buffered DIMMS
Hard Drive	1.8TB total Six 300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5 in HotPlug Hard Drives
Hard Drive Controller	PERC6i SAS RAID Controller, 2x4 Connectors, PCIe, 256MB cache, x6 Bkpl
Operation System	Fedora Core Linux
Database Software	MySQL
NIC	Multiple Versions of NIC 1, 2 or 4 Port with Copper and/or Optical Options Copper option 10/100/1000 BASE-T Optical option 1000 BASE-SX SFP 10GbE NIC, PCIe
Modem	Remote Access Card
CD/DVD Drive	24X IDE CD-RW/DVD ROM Drive
Mounting Kit	Universal Sliding Rapid/Versa Rails including Cable Management Arm
RAID Controller	Integrated SAS/SATA RAID 10, PERC 6/I Integrated
Power Supply	Redundant Power Supply with Dual Cords
Chassis	2U Rack-mountable chassis 29.31" (74.4cm) D x 17.5" (44.43cm) W x 3.4" (8.64cm) H Rack Weight 50.71 lbs (23 Kg), maximum configuration

Environmental	
Operating Temperature	10° C to 35° C (50° F to 95° F)
Storage Temperature	-40° C to 65° C (-40° F to 149° F)
Operating Relative Humidity	20% to 80% non-condensing (non-condensing twmax = 29C)
Maximum humidity gradient	10% per hour, operational and non-operational conditions
Storage Relative Humidity	5% to 95% non-condensing (twmax = 38C)
Operating Vibration	0.26G at 5Hz to 350Hz for 2 minutes
Storage Vibration	1.54Grms Random Vibration at 10Hz to 250Hz for 15 minutes
Operating Shock	1 shock pulse of 41G for up to 2ms
Storage Shock	6 shock pulses of 71G for up to 2ms
Operating Altitude	-16 to 3,048m (-50 ft to 10,000 ft)
Storage Altitude	-16m to 10,600m (-50 ft to 35,000 ft)

Ordering Information

Model Number	Name
APA1-G APP PERF APPL	1 PORT GIGABIT ETHERNET
APA2-G APP PERF APPL	2 PORT GIGABIT ETHERNET
APA4-G APP PERF APPL	4 PORT GIGABIT ETHERNET
APASW	APPLICATION PERFORMANCE SOFTWARE

NETWORK SUPERVISION

Fluke Networks
P.O. Box 777, Everett, WA USA 98206-0777

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