



Big Data Analysis, Without the Big Headache

EXTRAHOP EXPLORE APPLIANCES

With the ExtraHop Explore appliance, organizations of all sizes can use Big Data techniques to quickly answer questions about their IT and business. ExtraHop provides non-specialists with the ability to search, query, and explore wire data to both see what is happening now, in real time, and to uncover historical trends. With the Explore appliance, you can perform multidimensional stream analytics on billions of transaction records each day.

Key Benefits

TURNKEY SOLUTION

The ExtraHop Explore appliance makes it easy to apply Big Data techniques to all your data in motion. You don't have to worry about building out, managing, and tuning complex Big Data infrastructure. The Explore appliance is turnkey—just feed it a stream of wire data from the ExtraHop Discover appliance and you're on your way to insights you can act on now.

VISUAL QUERY LANGUAGE

Much more than just search, the visual query language in the ExtraHop platform enables you to explore your transaction and flow records through multidimensional analysis. You can refine or change your query by clicking UI elements that control grouping, pivoting, sorting, filtering, and time-range selection. There are dozens of built-in record types and hundreds of record attributes available, and you can also define your own custom records with their own attributes. The visual query language puts the power of Big Data analysis in the hands of everyone so that they can ask questions and get answers fast.

BUILT FOR SCALE AND RESILIENCY

Your transaction, message, and flow records are stored in a resilient cluster of ExtraHop Explore appliances, built on proven Elasticsearch technology. With this scalable architecture, you can easily add nodes as your data grows, providing you with unprecedented historical lookback into your transactions on the wire.

The ExtraHop Explore appliance enables you to perform multidimensional analysis on billions of transactions each day. We recommend at least a three-node cluster for resiliency. Virtual and physical nodes cannot be mixed. Performance and scalability will increase as nodes are added to the cluster at roughly a linear rate.



EXA 5100v

Hardware Recommendation	vCPU cores	8*
	RAM	16 GB*
	Disk	Minimum 4 GB for firmware in addition to virtual disk for cluster data sized to customer preference**
	Management + Data vNIC (1 Gbps/10 Gbps)	1
Hypervisor	VMware ESX	Supported
	Hyper-V	Not currently supported
	KVM	Supported
Configuration Recommendation	Target Environment	Cluster (3+ nodes recommended)
Performance	Ingest Rate (Single Node, Small Size)	18,000 HTTP transaction records per second***
	Ingest Rate (Four-Node Cluster, Small Size)	35,000 HTTP transaction records per second****

* The EXA 5100V virtual appliance is packaged for download in four sizes: Extra Small (XS), Small (S), Medium (M) and Large (L). Specs shown are for the Small VM. The Extra Small, Medium, and Large VMs require 4 vCPU+8GB RAM, 16 vCPU+32 GB RAM, and 32 vCPU+64 GB RAM, respectively.

** Extra Small (XS) VM images are pre-packaged with a 500 GB data disk. Customers will select disk sizes for S, M and L instances at the time of installation.

*** 18,000 HTTP transactions per second if ESX host is sized to match EXA 5100 physical appliance RAM, CPU, and storage specifications.

**** 35,000 HTTP transactions per second if ESX host is sized to match EXA 5100 physical appliance RAM, CPU, and storage specifications.



EXA 5100

Chassis	CPU Sockets	2
	CPU (Cores : HW Threads)	16 : 32
	RAM	128 GB
	Power Supply	2 x 750 W
	Height	8.73 cm (3.44 in.)
	Width	44.40 cm (17.49 in.)
	Depth	68.40 cm (26.92 in.)
	Weight	31.4 kg (69.2 lbs)
Datastore Media	Disks	14 x 1.8 TB
	Disk Drive Speed	10 K RPM SAS
Configuration Recommendation	Target Environment	Cluster (3+ nodes recommended)
Performance	Ingest Rate (Single Node)	30,000 HTTP transaction records per second
	Ingest Rate (Three-Node Cluster)	45,000 HTTP transaction records per second
Environmental Details	Heat Dissipation	2891 BTU/hr maximum
	Operating Temperature	5 °C to 40 °C at 5% to 85% RH with 29 °C dew point
	Storage Temperature	-40 °C to 65 °C (-40 °F to 149 °F)
	Operating Relative Humidity	10% to 80% RH with 29 °C (84.2° F) max. dew point
	Operating Vibration	0.26 Grms at 5 Hz to 350 Hz
	Operating Altitude	-15.2 m to 3,048 m (-50 ft. to 10,000 ft.)
	Operating Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 40 G for up to 2.3 ms