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.

**Hardware Recommendation**

<table>
<thead>
<tr>
<th>EXA 5100v</th>
<th>vCPU cores</th>
<th>8*</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM</td>
<td>16 GB*</td>
<td></td>
</tr>
<tr>
<td>Disk</td>
<td>Minimum 4 GB for firmware in addition to virtual disk for cluster data sized to customer preference**</td>
<td></td>
</tr>
<tr>
<td>Management + Data vNIC (1 Gbps/10 Gbps)</td>
<td>1</td>
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</tbody>
</table>

**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****

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* 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.

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**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