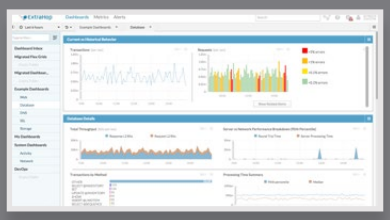
ExtraHop for Virtualization

ENSURE APPLICATION PERFORMANCE IN VIRTUALIZED AND PRIVATE CLOUD ENVIRONMENTS



Many application owners worry about the performance of their business-critical applications in virtualized cloud environments. ExtraHop can help to alleviate those concerns. Virtualization teams can use the ExtraHop platform to record baseline performance in physical environments and then track adherence to SLAs when migrating those applications to private clouds. Once migrated, ExtraHop provides unparalleled visibility into performance in dynamic virtual environments.

BENEFITS

- Reliable performance for business-critical applications
- Increased virtualization of physical assets
- Metrics for performance-based SLAs
- Faster remediation of performance problems
- Improved planning and asset management

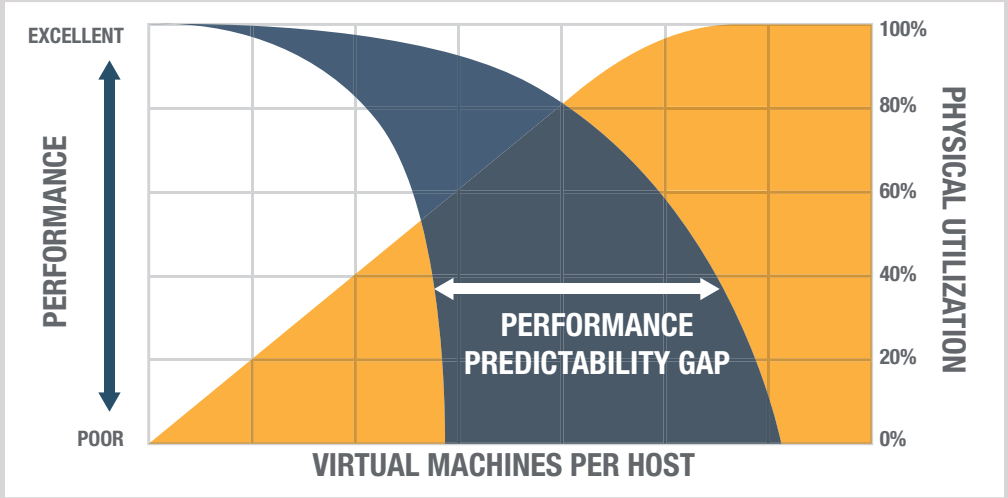
"Our team used ExtraHop to baseline several key performance indicators, including application response time, and then spin up a parallel virtual infrastructure to compare performance. We could prove that performance was the same or slightly better on the virtual infrastructure."

—John Hluboky
VP of Technical Operations,
Practice Fusion

MIGRATE APPLICATIONS WITH CONFIDENCE

Unlike monitoring tools that focus on measuring CPU and memory, the ExtraHop platform analyzes transactions to objectively measure end-to-end response times across all tiers of the application environment. This approach provides the basis for performance baselines and private-cloud SLAs.

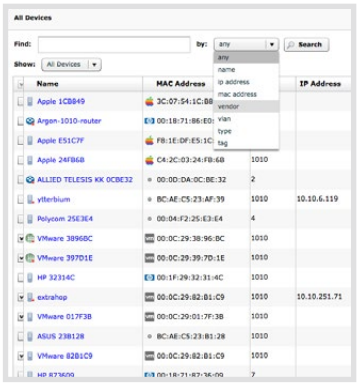
This objective visibility into performance enables application owners to confidently migrate their business-critical applications to the private cloud. At the same time, the infrastructure teams have the data they need to make smart decisions about provisioning resources.



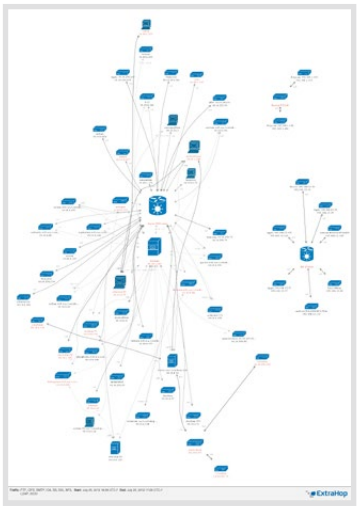
ExtraHop helps organizations maximize physical utilization while ensuring application performance.

CAPABILITIES FOR VIRTUALIZED ENVIRONMENTS

- Objective view of performance with true application response times
- Performance baselines for applications with trend-based alerts for anomalous activity
- Automatic discovery and classification of devices
- Correlated visibility of network, web, VDI, database, and storage performance
- Public cloud support for end-to-end visibility across all types of public and private cloud environments



Automatic device discovery helps IT teams manage VM sprawl.



Application Activity Maps provide up-to-date visual representations of applications.

ABOUT EXTRAHOP NETWORKS

ExtraHop is the global leader in real-time wire data analytics. The ExtraHop platform analyzes all L2-L7 communications, including full bidirectional transactional payloads. This provides the correlated, cross-tier visibility essential for today's complex and dynamic IT environments.

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TROUBLESHOOT PERFORMANCE ISSUES FASTER

In complex and dynamic virtualized environments, the ExtraHop platform provides an objective view of activity across the entire environment. Trend-based alerts in the ExtraHop system enable IT teams to quickly identify and remediate performance issues.

ExtraHop analyzes network traffic to extract performance metrics for the network, web, VDI, database, and storage tiers. With this correlated, cross-tier visibility, IT teams can spot subtle yet devastating virtualization-related performance problems, such as virtual packet loss, that are impossible to detect with legacy monitoring tools with limited views of network or storage performance.

Advanced TCP analysis is required to detect subtle virtualization-related performance problems.

MANAGE DYNAMIC VIRTUALIZED ENVIRONMENTS

ExtraHop automatically measures and maps application performance in constantly changing environments and augments traditional CMDBs and management frameworks.

- **Automatic device detection and classification** – As virtual machines and other devices are added to the network, ExtraHop automatically detects and classifies them according to their activity.
- **Trend-based alerts** – IT teams can detect spikes in load immediately and take action to provision new resources or move workloads to different hosts as needed.
- **Application Activity Maps** – For discovery and planning purposes, IT teams can generate maps of selected groups of devices comprising applications along with their communications.
- **Customized reports** – IT team members can easily generate custom application performance reports for specific applications to assist with various projects.

DEPLOY SIMPLY WITHOUT AGENTS

Whereas agent-based tools require careful configuration and management. In contrast, the ExtraHop platform uses an elegant, non-intrusive deployment. Connected to a network tap, port mirror, or vSwitch, the ExtraHop platform starts analyzing network traffic immediately and delivers valuable health and performance visibility within minutes.