

ExtraHop + Microsoft

Simplify IT Operations for Exchange, SharePoint, SQL Server, and Other Microsoft Technologies



For IT organizations heavily invested in Microsoft technologies, ExtraHop adds much-needed IT operational intelligence. With correlated visibility across tiers, application owners and support teams can monitor performance for all critical applications, and IT Operations teams can improve the performance, efficiency, and security of their Microsoft infrastructure.

MONITOR THE PERFORMANCE OF BUSINESS-CRITICAL MICROSOFT APPLICATIONS:

- Business intelligence applications based on SharePoint and SQL Server
- Microsoft Dynamics CRM and ERP applications
- Microsoft Exchange
- Microsoft SharePoint
- Web applications built with Microsoft technology

SIMPLIFY THE MANAGEMENT OF MICROSOFT INFRASTRUCTURE TECHNOLOGIES:

- Active Directory
- ActiveSync
- CIFS/SMB file servers
- IIS web servers
- Hyper-V environments
- SQL Server clusters

MONITOR ALL YOUR MICROSOFT APPLICATIONS

ExtraHop provides visibility for all your Microsoft applications, whether packaged or custom-developed, and meets the needs of all IT teams and application owners in a single solution.

- **Cross-tier visibility** – Explore health and performance metrics for all tiers of the application delivery chain—network, web, VDI, middleware, database, and storage.
- **Continuous monitoring** – Analyze all transactions, all the time, in real time, not just a sample set or synthetic transactions.
- **End-user experience** – See detailed end-user experience metrics segmented by device type or OS.
- **Custom dashboards** – Monitor performance-based SLAs with custom dashboards for NOCs, executives, and application owners.

MANAGE YOUR MICROSOFT INFRASTRUCTURE

Find answers to your IT management questions fast, without having to configure and check logging for all your machines. ExtraHop provides the visibility that you need to tune and troubleshoot Microsoft SQL Server clusters, CIFS/SMB file servers, DNS, Active Directory, and more.

- **Storage** – Identify corrupt storage files without having to run CHKDSK.
- **Database** – Get detailed database transaction metrics without running profilers, which can add more than 150 percent overhead to database servers.
- **Dependency mapping** – Visualize all network-connected elements and their dependencies.
- **Security** – Demonstrate compliance by tracking unauthorized access to sensitive data, and simplify the management of SSL certificates by viewing the key size and expiration for all certificates in one place.

MAKE MONITORING SIMPLE

Unlike traditional monitoring tools, ExtraHop uses no agents or host-based instrumentation. Instead, ExtraHop passively analyzes application communications to extract critical real-time performance metrics for all tiers of the environment.

- **No agents** – Avoid the management complexity and system overhead of monitoring agents.
- **Unprecedented scale** – Analyze all transactions with up to a sustained 40Gbps throughput.
- **Flexible analysis** – Rapidly define and implement new metrics with Application Inspection Triggers.
- **Rapid operationalization** – Learn from and share solutions with peers on the ExtraHop Customer Forum.

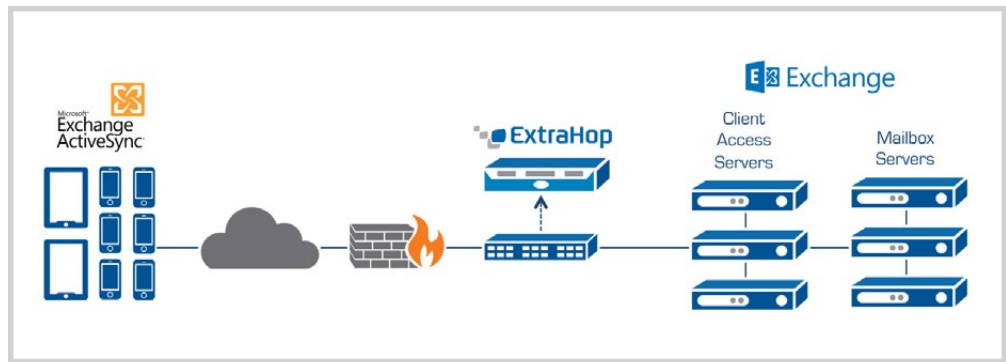
“ExtraHop’s turnkey SharePoint monitoring bundle delivers a holistic view of the application delivery chain and drills down to the granular transaction details to pinpoint the root cause of problems that can impact the end user’s experience of SharePoint. What makes this offering especially compelling is that it works out of the box and does not require agents to be installed on systems.”

—Dennis Callaghan,
Senior Enterprise Software
Analyst, 451 Research

TRY EXTRAHOP FREE

Download the ExtraHop Discovery Edition, a free-forever virtual appliance that lets you start exploring what is possible with wire data analytics.

www.extrahop.com/discovery



The ExtraHop platform deploys passively from a SPAN or network tap, equipping IT teams with a real-time view of communications. The above diagram illustrates how ExtraHop deploys to support Exchange ActiveSync projects.

.NET web services	ExtraHop analyzes real-time performance metrics for internal and external web services and API calls for hundreds of thousands of transactions per second.
SQL Server clusters	ExtraHop provides a non-intrusive alternative to SQL profilers, which can add more than 150 percent system overhead. With ExtraHop, DBAs can find tables with missing indices, isolate repeated or poorly written queries, and identify database workloads to move to cache.
CIFS/SMB file servers	ExtraHop offers real-time file transfer metrics for all CIFS/SMB file servers, including responses, errors, reads, writes, and locks. ExtraHop also details error messages, methods, and the file and user associated with specific transactions.
Microsoft SharePoint	SharePoint attaches a GUID to each transaction. ExtraHop recognizes and traces these transactions as they pass back and forth between web and database servers to determine latency at each tier.
Exchange ActiveSync	ActiveSync synchronizes emails, calendars, contacts, and tasks between desktops and servers and mobile devices. By parsing inbound HTTP requests, ExtraHop provides visibility into mobile users accessing Exchange, their device types, the specific commands against mailboxes, and their user experience from both the network and server processing perspective.
Microsoft Exchange	Microsoft Exchange uses SMTP for its frontend, core, and mailbox transport services. ExtraHop analyzes SMTP transaction metrics, including senders, recipients, errors, and methods.

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ABOUT EXTRAHOP NETWORKS

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