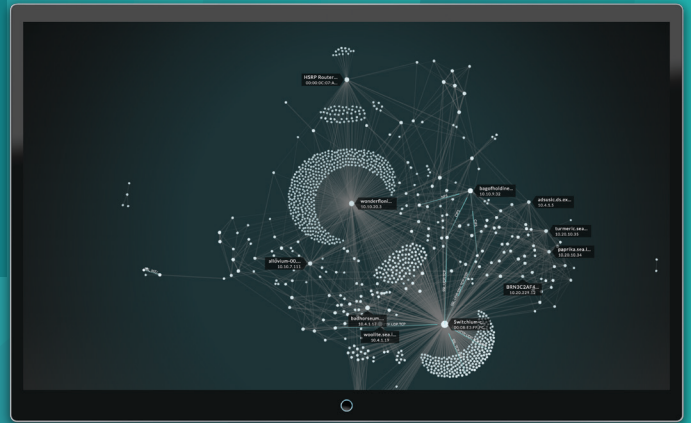




MONITOR AND OPTIMIZE YOUR CLOUD, MULTI-CLOUD AND ON-PREMISES WORKLOADS FROM A SINGLE PLATFORM

The award-winning ExtraHop for AWS solution enables customers to monitor applications and services in real-time, fine-tune performance, and detect potential threats in AWS environments with advanced analytics and machine learning.



AUTOMATE + ACCELERATE

- ▶ Automatically scale your monitoring along with cloud workloads, including compute, storage, request brokers, and virtual networks.
- ▶ Track all transactions across tiers with zero gaps in visibility.
- ▶ Accelerate workload migration with auto-discovery of endpoints, dependency mapping, and auto-classification of workloads.



HYBRID-READY

- ▶ Establish performance benchmarks and maintain control across on-premises and AWS environments.
- ▶ Optimize service delivery with complete application payload analysis that correlates everything, from infrastructure performance to end-user experience.



SECURE BY DESIGN

- ▶ Ensure compliance with real-time auditing of identity and access management across AWS accounts to detect policy violations and breach attempts as they happen.
- ▶ Rapidly detect and respond to potential security threats, such as unauthorized user access to data or files.
- ▶ Prioritize the most critical devices and services with automated investigation and asset-based alerting.



SIMPLER TO MAINTAIN

- ▶ Plan capacity to ensure continuous performance with visibility into CPU credit consumption and automated alerting on resource exhaustion.
- ▶ Improve performance and utilization with insights into how applications and service architectures impact AWS and hybrid infrastructure resources.

“ ExtraHop bridges the gap between the benefits associated with running in the cloud, and the organic loss of visibility that occurs when you outsource the physical building blocks of your environment. ”

MIKE SHEWARD
PRINCIPAL SECURITY
ARCHITECT

ACCOLADE

HOW EXTRAHOP WORKS IN AWS

ExtraHop analyzes the communications passing across AWS services to provide more meaningful metrics than just the resource utilization (CPU, memory, disk I/O, bandwidth) shown by traditional cloud monitoring tools. Our analytics and machine learning enable IT and security teams to manage and secure workloads across EC2, RDS, S3, ELB, and other AWS services, including:

EC2 – Track overall network and EC2 performance in real time, then drill down to transaction metrics for individual instances such as HTTP status codes and error messages. Shut down underutilized instances to reduce costs.

RDS – Monitor RDS queries including methods, errors, and SQL statements for all database types supported by RDS: MySQL, Oracle, and Microsoft SQL Server. Get the visibility you need to make provisioning decisions for RDS.

S3 – See every bucket and file request to S3, including which users are making those requests and how much data is passed to each user.

REGIONS AND AVAILABILITY ZONES – Understand how workloads are performing in different regions and availability zones, including transaction latency. View the geographic location of users and their associated service levels with geomaps for each AWS region to improve security and ensure consistent performance across regions.

ELB AND AUTO-SCALING – Gain real-time visibility into ELB and auto-scaling activity and set up auto-scaling policies to automatically add capacity based on transaction-level events.

| | AMAZON EC2 | AMAZON RDS | AMAZON S3 | ELASTIC LOAD BALANCING |
|-------------------|---|--|---|--|
| <p>CloudWatch</p> | <ul style="list-style-type: none"> CPU Disk I/o Disk Read/Writes Status Check Failed Bandwidth | <ul style="list-style-type: none"> CPU Disc I/o DB Connections Disk Latency Free Disk and Memory Network Throughput Disk Queue Depth Replica Tag Swap Usage | <ul style="list-style-type: none"> Object Count Bucket Size | <ul style="list-style-type: none"> Latency Requests HTTP Status Codes Healthy Host Count Unhealthy Host Count Surge Queue Length Spillover Count Request Count |
| | <ul style="list-style-type: none"> HTTP Status Codes Errors URIs/IPs Users & Location API Calls HTTP Payload Data Server Processing Network Transfer L4 TCP Analysis | <ul style="list-style-type: none"> Methods Errors SQL Statements Users DB Processing Network Transfer L4 TCP Analysis Trend-based Alerts | <ul style="list-style-type: none"> Bucket/File Access Users & Location Methods Status Codes Server Processing Network RTT Trend-based Alerts | <ul style="list-style-type: none"> Server Processing Network Transfer HTTP Status Codes L4 TCP Analysis Auto-scale Visibility Health Check Analysis Load Analysis Trend-based Alerts |