



IT and Business Insight at Wire Speed

EXTRAHOP AWS APPLIANCES

The ExtraHop platform transforms raw packets into structured wire data for highly scalable, real-time IT and business insights. Our appliances are optimized for full-stream reassembly and content analysis of all application communication and data transacting on the wire. For the first time, organizations can easily extract, customize, visualize, alert, and trend on their wire data for unbiased and comprehensive insight. With ExtraHop as a central and strategic point of analysis, IT teams can proactively improve performance, availability, security, and business intelligence both in the cloud and on-premises.

Learn more about how IT teams use ExtraHop in AWS. Read the case study: [Conga Lines Up Improved AWS Visibility with ExtraHop](#)



KEY BENEFITS

INDUSTRY-LEADING SCALABILITY IN THE CLOUD

ExtraHop appliances offer the greatest scalability in the industry for virtual appliances running in the cloud, with the ability to analyze up to 680,000 HTTP transactions per second in AWS. This means that you can cover more of your cloud applications with fewer appliances.

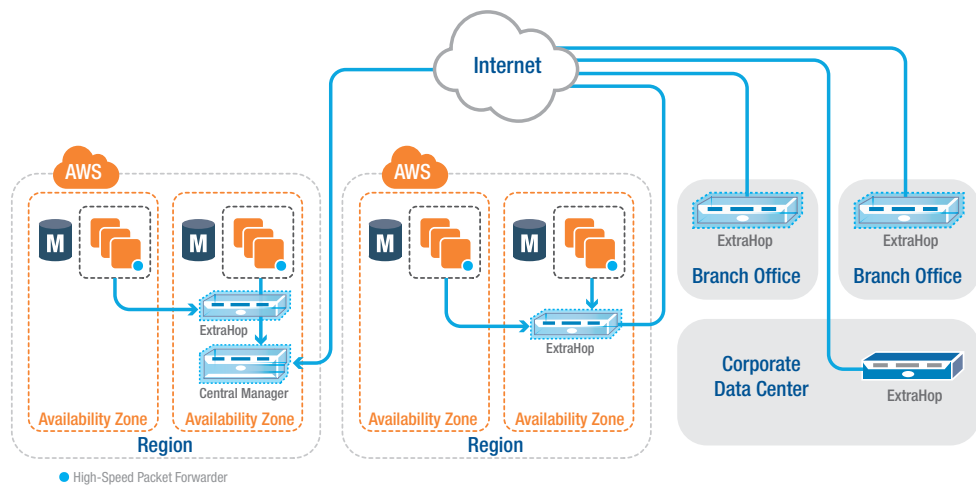
FLEXIBLE SUBSCRIPTION PRICING

ExtraHop appliances offer a subscription license so that you can easily and cost-effectively expand your monitoring deployment as needs change.

VISIBILITY ACROSS CLOUD AND ON-PREMISES DEPLOYMENTS

The ExtraHop platform supports a variety of deployment scenarios in AWS, including across Availability Zones and Regions. If you need visibility that spans AWS and your on-premises deployments, you get that with ExtraHop as well. Combine data from multiple appliances—in far-flung Availability Zones, Regions, datacenters, or branch offices—in a single view with the ExtraHop Central Manager.

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ExtraHop works with both AWS-only and hybrid deployments.

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ExtraHop takes speed and scalability seriously. The following table provides sizing guidance for the ExtraHop appliances running in AWS. For the EH2000v AMI, note that realizing 3 Gbps of throughput via a single interface requires a 10 Gbps-capable instance type such as c3.8xlarge. If you choose to use the c3.2xlarge (the minimum recommended), at least three interfaces are required. For the EH1000v AMI, the c3.xlarge instance type (the minimum recommended) exhibits a peak interface throughput of ~700 Mbps. To realize 1 Gbps of throughput, you must use a c3.2xlarge instance or larger.



SPECIFICATIONS	AWS-EH6100v AMI	AWS-EH2000v AMI	AWS-EH1000v AMI
TRAFFIC ANALYTICS			
Servers monitored	3,000	1,000	250
Throughput	10 Gbps	3 Gbps	1 Gbps
Packets per second	1,000,000	411,000	180,000
HTTP TPS	680,000	178,000	78,000
SOFTWARE SSL DECRYPTION (OPTIONAL)			
Handshakes per second (2048-bit RSA)	5,000	1,750	500
Throughput	1 Gbps	300 Mbps	300 Mbps
NETWORK			
Monitoring options	RPCAP packet forwarder	RPCAP packet forwarder	RPCAP packet forwarder
Management + RPCAP interfaces	1 to 6	1 to 4	1 or 2
Max active RPCAP forwarders	400	400	250
Security Group	TCP port 443 for web management access 1 to 16 TCP ports for packet forwarding control paths 1 to 8 UDP ports for packet forwarding		
RESOURCE REQUIREMENTS			
Recommended minimum instance type	c3.8xlarge	c3.2xlarge	c3.xlarge
Disk	1000 GB	276 GB	61 GB
Packet Capture Disk (optional EBS)	1 GB – 500 GB	1 GB – 500 GB	1 GB – 500 GB
FOOTNOTES			

Performance numbers reflect testing on C3 instances with no active triggers. Actual performance will depend on instance type, traffic mix and usage patterns. AWS only guarantees 10 Gbps of throughput when all communicating machines are inside of an AWS placement group. Use of placement groups also produced the most repeatable test results. All throughput testing reflects use of placement groups.