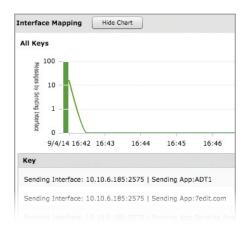


# Real-Time HL7 Analytics

Gain Insights into the Performance of All Interfaces Regardless of Vendor

"ExtraHop is a force-multiplier for stretched healthcare IT teams, equipping them with real-time insights that they did not have before. The new HL7 analytics capabilities open up tremendous new possibilities in terms of HL7 efficacy and operational intelligence."

—Todd Forgie, Vice President
Hosted & Managed Services, MEDHOST

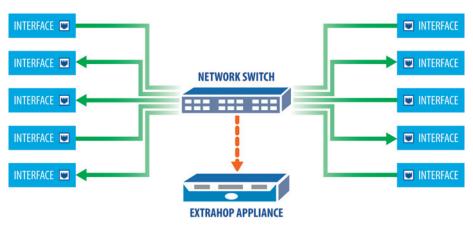


ExtraHop automatically maps HL7 interface connections, including the dependent applications.

ExtraHop has introduced a new paradigm for HL7 monitoring that analyzes HL7 transactions in real time and extracts relevant information for analysis and alerting. Now, healthcare organizations can proactively fix HL7 issues, discover and map HL7 communications across interfaces, and derive a wide range of valuable operational insights.

### Real-Time Visibility for All HL7 Interfaces

The ExtraHop platform analyzes wire data to automatically discover and classify all active sending and receiving interfaces. This non-intrusive approach offers an elegant and quick way to gain holistic, vendor-agnostic visibility into all HL7 communications in an environment, unlike the limited visibility provided by discrete interface engines or interface logging.



#### **Troubleshoot Problems Faster**

With the ExtraHop platform, interface teams can start with the summary dashboard that provides an auto-discovered list of all the active sending and receiving interfaces with corresponding activity metrics. From there, you can drill down to the performance of each individual interface to get relevant insight to help with troubleshooting:

- · Counts for each message type and acknowledgement, including accepts, rejects, and errors
- Errors sorted by application and message type, including message IDs and error details contained within the HL7 message
- Round-trip time and processing time for HL7 messages
- Tracking for duplicate messages



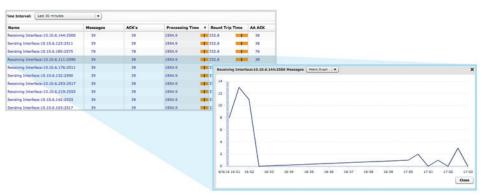
"We have been working with ExtraHop on HL7 analytics capabilities and are thrilled to have real-time visibility into our interfacing environment that was not available with any other technology."

- Wes Wright, CIO, Seattle Children's Hospital

# Get the ExtraHop Discovery Edition Free

Join the growing numbers of healthcare IT organizations harnessing their wire data for operational intelligence. Download your free virtual appliance at www.extrahop.com/discovery.

In addition, ExtraHop provides insight into other IT components that can affect HL7 performance, such as application software, server infrastructure, network connectivity, or a firewall blocking connections. This cross-tier insight fosters collaboration enables healthcare IT teams to eliminate the bulk of triage efforts by quickly revealing which part of the environment should be the focus of deeper investigation.



ExtraHop provides summary and drill-down views for all active sending and receiving interfaces

### **Dynamic Interface Mapping**

Operations teams and HL7 analysts can use the ExtraHop platform to easily keep track of and report on HL7 activity. ExtraHop automatically maps activity between all sending and receiving HL7 interfaces, as well as the applications dependent on those interface connections, all in real time. Rather than manually maintaining interface maps, analysts can create custom or push-button PDF, CSV, or Excel reports showing these dependencies.

## **Early-Warning Alerts**

Interface failures and performance issues can impact workflows and the quality of care provided to patients. With intelligent trend-based alerting, the ExtraHop platform equips interface teams to know when something has gone wrong and enables them to fix issues early—even before end users notice.

The ExtraHop platform continuously builds baselines for HL7 communications and automatically fires alerts when performance deviates significantly from historical patterns. For example, if an interface is modified, and that modification causes a spike in errors, ExtraHop would alert on that. In addition, the ExtraHop platform can alert on the success or failure of high-priority orders, including Stat, ASAP, and others.

### **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.