



Meeting aggressive requirements for scale, reliability and performance

Using Spark Structured Streaming on the Databricks Data Intelligence Platform enables the web security analytics tool to stream vast volumes of data and provide low-latency, real-time analytics-as-a-service to Akamai's customers. That way Akamai is able to make available security event data to customers within the SLA of 5 to 7 minutes from when an attack occurs. "Our focus is performance, performance, performance," says Patel. "The platform's performance and scalability are what drives us."

Using the Databricks Data Intelligence Platform, it now takes under 1 minute to ingest the security event data. "Reducing ingestion time from 15 minutes to under 1 minute is a huge improvement," says Patel. "It benefits our customers because they can see the security event data faster and they have a view of what exactly is happening as well as the capability to filter all of it."

Akamai's biggest priority is to provide customers with a good experience and fast response times. To date, Akamai has moved about 70% of security event data from its on-prem architecture to Databricks, and the SLA for customer query and response time has improved significantly as a result. "Now, with the move to Databricks, our customers experience much better response time, with over 85% of queries completing under 7 seconds." Providing that kind of real-time data means Akamai can help its customers stay vigilant and maintain an optimal security configuration.

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