



SECTION 6.2

Akamai: Delivering Real-Time Analytics at Scale With Delta Lake

Akamai runs a pervasive, highly distributed content delivery network (CDN). Its CDN uses approximately 345,000 servers in more than 135 countries and over 1,300 networks worldwide to route internet traffic for some of the largest enterprises in media, commerce, finance, retail and many other industries. About 30% of the internet's traffic flows through Akamai servers. Akamai also provides cloud security solutions.

In 2018, the company launched a web security analytics tool that offers Akamai customers a single, unified interface for assessing a wide range of streaming security events and perform analysis of those events. The web analytics tool helps Akamai customers to take informed actions in relation to security events in real time. Akamai is able to stream massive amounts of data and meet the strict SLAs it provides to customers by leveraging Delta Lake and the Databricks Data Intelligence Platform for the web analytics tool.



Delta Lake allows us to not only query the data better but to also acquire an increase in the data volume. We've seen an 80% increase in traffic and data in the last year, so being able to scale fast is critical.

— TOMER PATEL
Engineering Manager,
Akamai

<1

Minute ingestion time,
reduced from 15 min

>85%

Of queries have a response
time of 7 seconds or less