

Why VoltDB is the Best Data Platform for Telco Revenue Assurance

A couple milliseconds.

Thanks to 5G and IoT, that's your new window of opportunity to prevent a potentially catastrophic fraud event.

STILL USING LEGACY TECHNOLOGY TO HANDLE THIS?

Getting increasingly nervous about your legacy technology's ability to handle it totally by itself?

You should be.

Telecommunications companies and communications service providers (CSPs) are on the brink of a sea change in fraudulent behavior: a new era of fraud ushered in by the unprecedented data volume, variety, and velocity that the combination of 5G and IoT brings.

To handle it, telcos and CSPs need a new kind of data platform that enables intelligent, real-time decisions on anomalous activity, so that anomalous behavior is identified and blocked in real time and in-event, prior to the transaction occurring.

Here's why VoltDB is the best data platform for telco revenue assurance:

1. ADAPTIVE INTELLIGENCE

VoltDB applies a rule-based detection approach to find anomalous activity and invoke preventative action. These rules, of course, are dynamic because VoltDB can integrate with machine learning platforms such as data lakes and data warehouses to update these rules as new triggers and patterns emerge. This allows systems built on VoltDB to continually adapt to the attack surface coverage.

2. CHANNELS

Applications built on our data platform can analyze data coming from multiple sources and channels at once. This is key in an era where CSPs and telco customers — and their devices — bring in data via several different channels.

3. CONTEXTUAL DECISION INTELLIGENCE

Fraudulent activity is never a singular event. It is a combination of multiple events that come together to form fraud. It is essential to take the incoming event in the context of near-past events to complete the picture. This means using a platform that brings stream processing and data storage together to ensure low-latency decisions. VoltDB is exactly that platform that brings our flagship in-memory database and stream-processing capabilities together to meet the “under-10 milliseconds” need to take preventative measures.

