# Redpanda

## Why event-driven data is the missing link for agentic Al

Autonomous agents can't wait for batch jobs. They need every new event the moment it happens.



### Al that doesn't just predict, it acts

Agentic AI systems continuously read signals from their environment, reason over each event, and trigger downstream actions without human input. Think fraud defenses that adapt mid-transaction, robots that reroute on the fly, or websites that personalize while a user is still browsing.



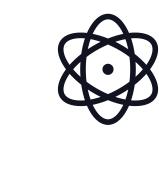
Live fraud detection



Autonomous supply chain routing



Real-time adaptation to evolving data



Robotics and smart machinery



personalization



Simplified architecture for faster innovation

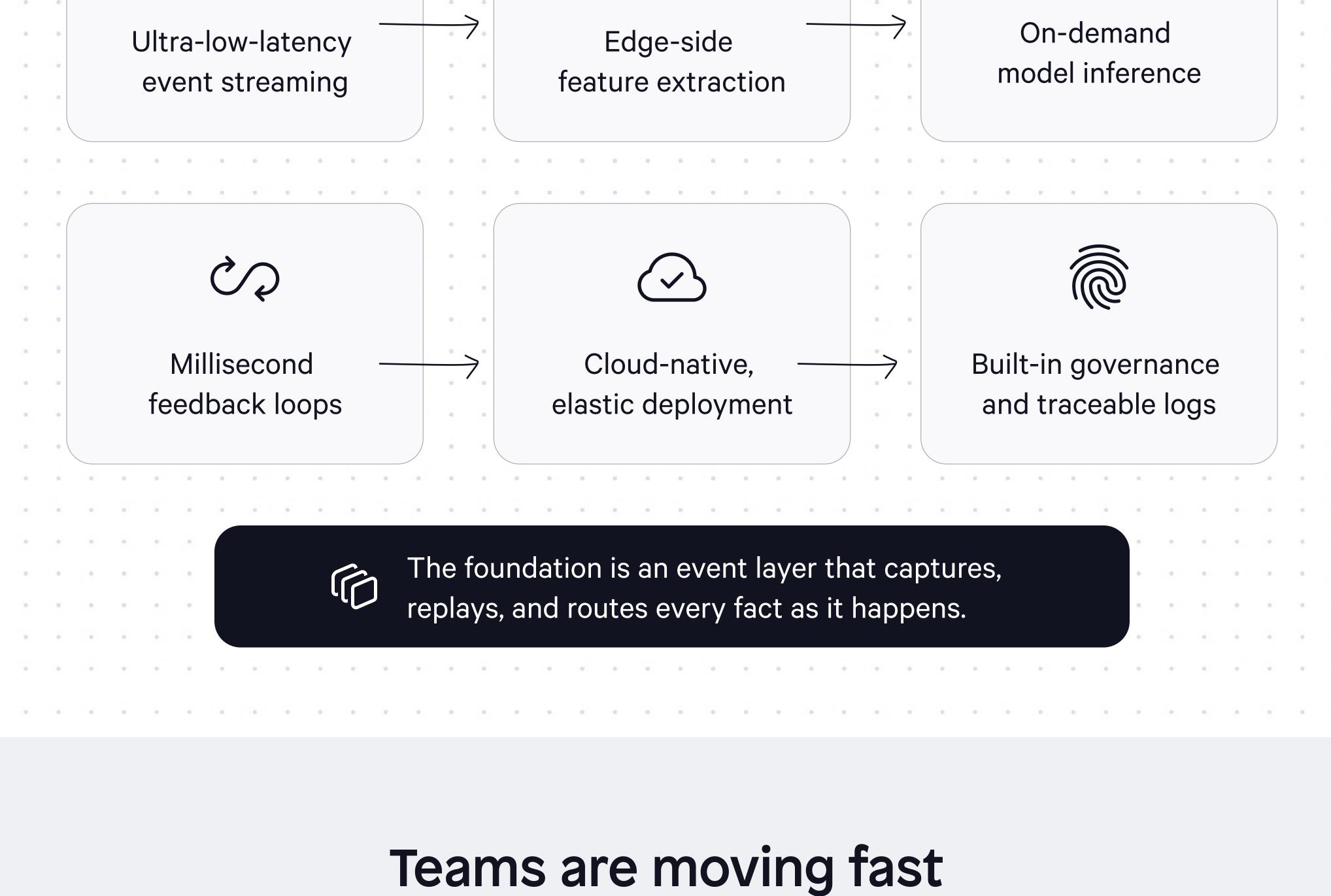
### When data is delayed, decisions are too

Dimension	Batch AI	<b>Event-Driven Al</b>
Data arrival	Arrives in timed batches	Flows event by event
Model response	Minutes to hours later	Milliseconds to seconds
Feedback loops	Static and retrospective	Live tuning, adaptive
Best for	Historical reports	Autonomous decisions

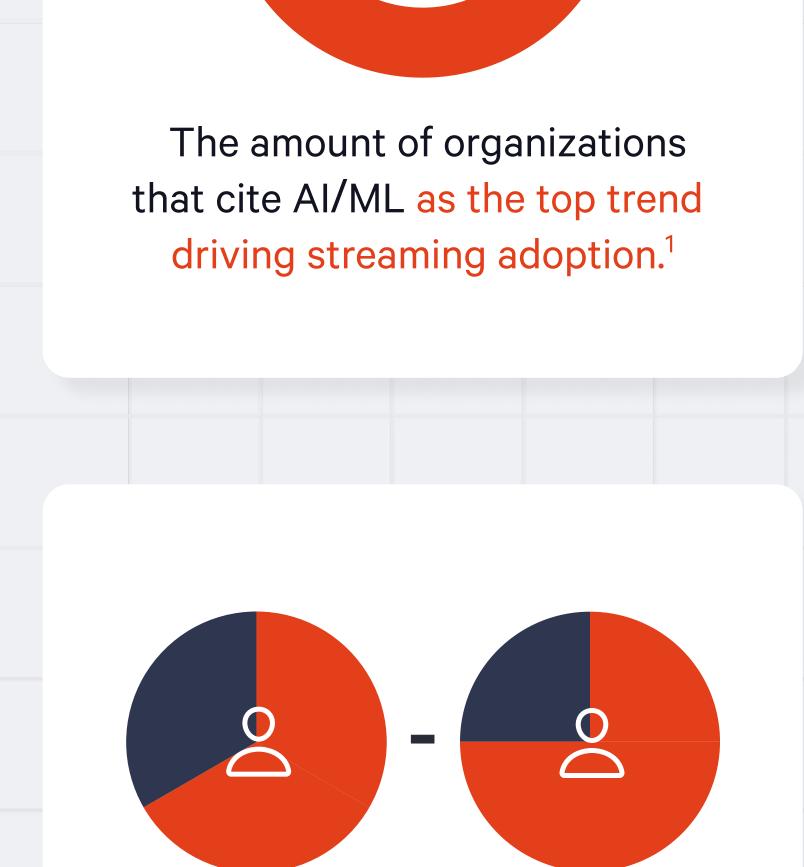
Agentic AI is event-driven by design. Batch breaks autonomy.

What it takes to power

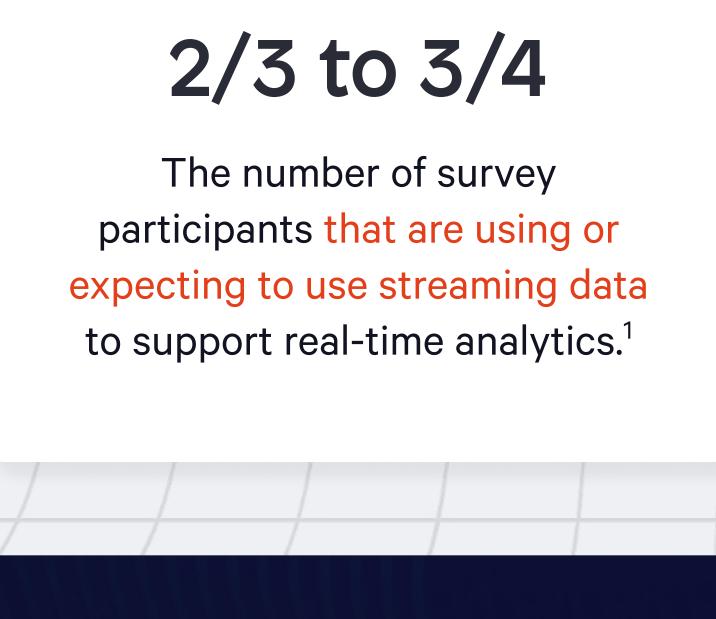
real-time autonomy



toward event-driven data



67%-75% How many users expect streaming workloads to grow.<sup>1</sup> \$ 314%

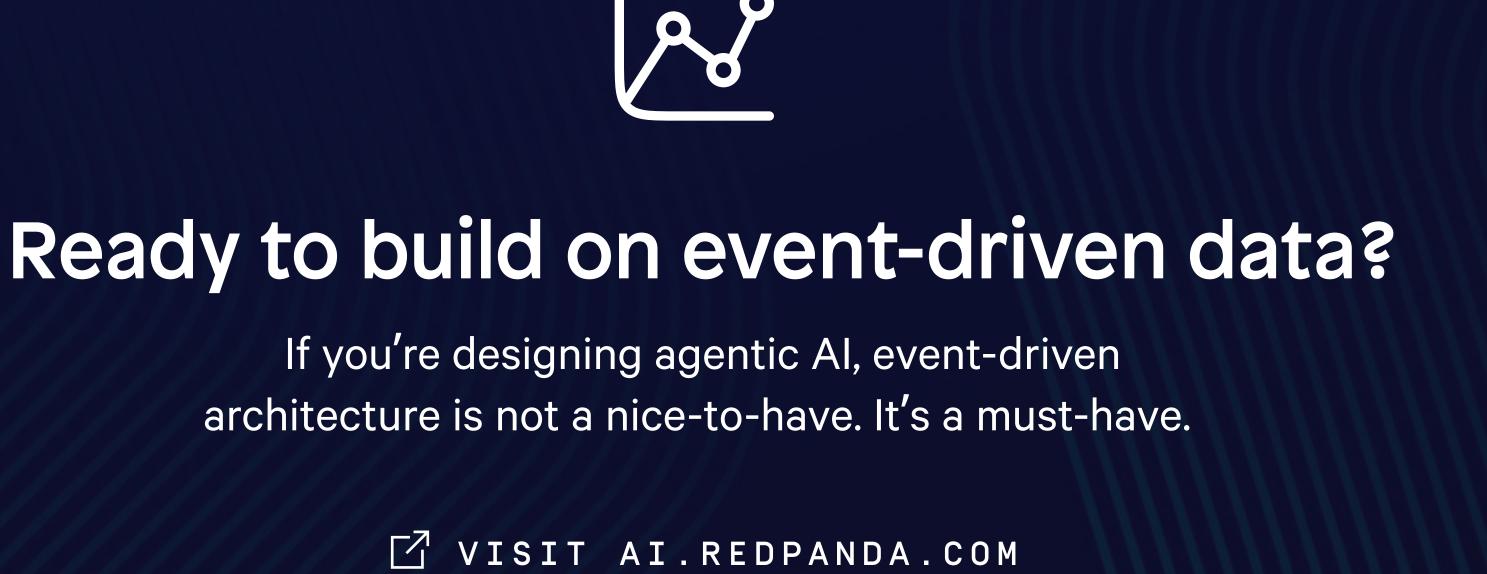




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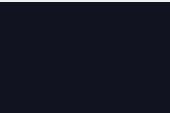
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