

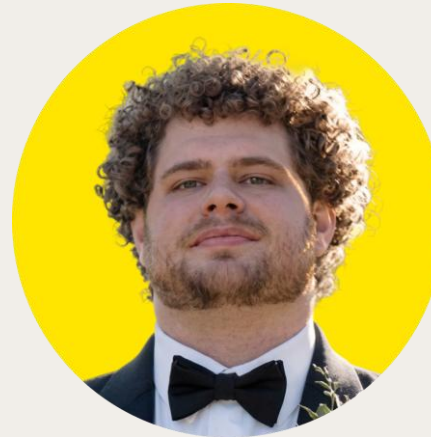
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The Pipeline Trust Problem: How Enterprise
Teams Move Data Without Breaking Production

Speakers



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- 03 How CData Sync Solves It
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CData Software

Based in Chapel Hill, NC, with offices in Europe, Japan, and India, CData is the leader in real-time data connectivity software for enterprises, developers, and data scientists.

400+

Employees

10,000+

Active customers

140+

Embedded partners

CData Sync

Easy to use, real-time modern data pipelines

Enterprise-grade connectors with unmatched speed and depth

Deploy anywhere: on-prem, private cloud, and hybrid

High-availability and node clustering across Sync deployments

CDC for real-time synchronization: no full table scans, no batch windows

Transform data using custom SQL or dbt data modeling

Predictable, scalable pricing based on connections, not rows

Customer Outcomes With CData Sync

1.5B rows/month — zero manual code

- ✓ SSIS replaced: SAP + Salesforce, cloud & on-prem
- ✓ 7x faster data-to-decision for global supply chain
- ✓ 3-person team supports 3,500 users worldwide



Zero errors or outages since go-live

- ✓ 20M+ records synced every 2 min to Azure + SQL Server
- ✓ Sync never stores data — full security & control
- ✓ Replaced SSIS & ADF; live in 2 weeks



10x faster delivery, 66% lower build cost

- ✓ 12+ ad platforms + claims & fraud data to lakehouse
- ✓ 2-day builds vs. 20-day manual integration
- ✓ No per-source API expertise required



8 in 10 enterprises cite data limitations as their
#1 barrier to scaling AI.

— McKinsey, 2026

The Gap Between AI Ambition and Pipeline Reality

Most enterprise teams have the ambition. The pipeline is where trust breaks down.

What AI initiatives demand

Continuous, fresh data from every source system

Complete, reliable pipeline runs with no silent failures

Recovery without operator involvement when sources misbehave

Deep, native coverage of enterprise sources — SAP, DB2, SQL Server

What most pipelines actually deliver

Full extracts run on a schedule — data is stale before models see it

Mid-run failures land partial data silently. The first signal is a wrong report.

No checkpointing. A broken pipeline restarts from zero and resets freshness.

SAP and DB2 CDC is thin or absent. The sources that matter most are the hardest to replicate reliably.

How CData Sync Solves It

Continuous data pipelines purpose-built for production environments



Continuous CDC

Captures every insert, update, and delete from SAP, DB2, and SQL Server

- No full table scans, no batch windows
- Snowflake, Databricks, and ClickHouse stay current continuously



Hybrid Connectivity

Breaks down silos across hybrid, on-prem, and cloud environments

- No infrastructure re-architecture required
- Zero custom scripts or proprietary glue layers



AI-Ready Data

Keeps AI initiatives fed with fresh, governed, production-ready data

- Models and agents run on current, trusted data
- Full audit logging — every pipeline run timestamped and traceable

CDC: From Source to Lakehouse

Incremental, log-based change capture — no full table scans, no production impact

Near Real-Time Freshness

Log-based CDC captures every insert, update, and delete from SAP, Oracle, DB2, and SQL Server

- ✓ No triggers, no polling, no overloading production systems
- ✓ Latency measured in seconds, not hours

Schema-Matched Delivery

Replicates data schema-matched directly to Snowflake, Databricks, and ClickHouse

- ✓ Tables arrive structured and queryable on first load
- ✓ Schema evolution handled automatically — source changes don't break pipelines

Fault-Tolerant by Design

Incremental checkpointing means jobs resume exactly where they left off

- ✓ Auto-retry handles transient source failures automatically
- ✓ Pipelines keep moving even when systems don't behave

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Live Demo

Built for Production: Control, Recovery & Visibility

Production-grade reliability built into every pipeline run

Checkpointing & Auto-Retry

Sync tracks progress at every checkpoint.

When a source system hiccups, jobs pick up exactly where they left off, not from the beginning.

Built-in retry logic handles transient failures automatically, without manual intervention.

Automatic Recovery

Sync detects failures and recovers without waiting for an operator.

Pipelines keep moving even when systems don't behave.

Downstream targets stay current. Production reliability, not aspirational SLAs.

Alerts & Monitoring

Partial completions surface immediately — not masked as a single error

Row counts update live as data lands, no waiting for job completion

Alerts route to Slack, Teams, Datadog, Splunk, or OpenTelemetry automatically

Notifications report source, destination, status, and runtime in plain language

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Live Demo

Putting it all together

A complete legacy source to modern lakehouse pipeline built live with CData Sync

Live Pipeline Build & Run

Point-and-click setup: SAP, DB2, or SQL Server to Snowflake, Databricks, or ClickHouse

CDC configuration: log-based change capture, no polling, no triggers

Pipeline orchestration: multi-step sequencing with checkpointing and auto-retry built-in

Cross-source assembly: Multiple systems, one unified pipeline.

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Live Demo

Production Data Is the Foundation

The teams that win on AI are not the ones with the most models. They are the ones with the most reliable data.

Data pipelines are no longer a back-office function. They are AI infrastructure, as critical as compute and networking.

AI-ready data means three things: freshness, trusted format, and reliability through auditable pipelines.

The moment a pipeline breaks mid-run, a model loses its grounding. Every inference downstream runs on stale data.

CData Sync was built for this: continuous, governed, production-grade data movement at enterprise scale.

C DATA

Q&A

More About Sync

Try Sync Free for 30 Days:

www.cdata.com/sync/trial/

Contact:

sales@cdata.com



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Built for AI that has
to be right

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