



# Data Integration For Healthcare & Epic With Confluent

## Elevate Your Real-Time Data Streaming with Improving & Confluent



### Modernizing Healthcare Data Infrastructure for Real-Time Intelligence

Healthcare CIOs, CTOs, and VPs of Technology are under increasing pressure to modernize legacy systems, integrate siloed data, and enable real-time data streaming across cloud and on-prem environments. Electronic Health Record (EHR) platforms such as Epic are foundational to hospital operations, yet they often operate in silos, making integration with modern cloud-based systems a significant challenge.

Traditional HL7 interfaces are rigid and expensive to maintain, and batch-based data pipelines fail to deliver the immediacy required for clinical decision-making and operational agility. As healthcare organizations strive to improve patient outcomes, reduce costs, and enhance care delivery, the ability to stream and integrate data across platforms, securely and in real time, has become a strategic advantage.

### Improving's Healthcare Integration Offering With Confluent

At Improving, we are a **Confluent Elite Systems Integrator** and Confluent has certified Improving as a Premier Partner. Our goal in partnering with Confluent is to deliver healthcare data solutions that help you easily identify and use quality data patient and healthcare data.

Our partnership with Confluent allows us to deliver resilient event-streaming architectures and solutions that transform the way hospitals, agencies, and other healthcare organizations operate. We have extensive experience in designing, deploying, and optimizing Confluent's real-time data streaming platform to meet the diverse and unique business needs of your organization to help streamline the integration of your data from EHR platforms such as Epic.

**Improving's Data Integration for Healthcare Service** enables seamless, secure, and scalable integration of data from systems such as Epic using Confluent Cloud or Confluent Platform.

#### Key Capabilities:

-  Integration of HL7 and FHIR data from Epic into modern platforms using Kafka connectors and CDC pipelines.
-  Support for multi-platform interoperability across EHRs, lab systems, imaging, CRM, and cloud analytics.
-  Deployment flexibility across Confluent Cloud (AWS, Azure, GCP) or on-premises with Confluent Platform.
-  Real-time streaming pipelines for patient monitoring, clinical decision support, and operational dashboards.



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### Benefits of Modernizing & Integrating Your Epic Healthcare Data

Our Data Integration for Healthcare Service service offering is designed to seamlessly and securely integrate your healthcare data from Epic at scale to meet the highest standards of data governance and security across regulated industries. Your organization will benefit through:

- Improved patient outcomes through timely access to clinical data.
- Reduced infrastructure overhead and manual reconciliation.
- Accelerated innovation with self-service access to trusted data streams.
- Lower total cost of ownership by offloading legacy interfaces.
- Security, Compliance, and Industry Alignment

### Security & Compliance Features

To ensure that your data from Epic is integrated in a secure and compliant manner on Confluent Cloud or Platform, our service provides:

- **HIPAA-compliant architecture** with role-based access control (RBAC), audit trails, and encryption in transit and at rest.
- **Centralized policy management and schema validation** to ensure data integrity.
- **Full observability and lineage tracking** for compliance and trust.
- **Secure streaming of EHR data** for real-time clinical workflows.

### Why Choose Improving as your Data Integration Partner?

Improving brings deep expertise in healthcare data integration, with a proven track record of success across major providers and payers.

#### Trusted Expertise

- **Extensive experience integrating Epic** with modern data platforms.
- **Elite Confluent Systems Integrator** partner with Kafka, cloud, and data engineering capabilities.
- **Domain knowledge** across healthcare, insurance, and public sector modernization.

#### Business & Technology Impact

- **Delivered real-time data pipelines** for Medtronic, Centene, Westfield Insurance, and McKesson.
- **Helped clients reduce TCO** and accelerate time-to-value with Confluent Cloud.
- **Enabled scalable, secure, and future-ready** data platforms.

**Ready to modernize your healthcare data infrastructure? Let's talk!**

