



TIBCO to Confluent Modernization Suite

Psyncopate provides best-in-class data infrastructure consulting services and has maintained a 100% success delivery rate since our founding in March 2014. Our clients range greatly in company size, technology maturity, problem complexity, allocated budget, and many other factors. Psyncopate's TIBCO to Confluent Modernization Suite is set of tools that accelerate the process of data streaming through Confluent by upgrading from legacy software such as TIBCO. It results in smarter, more robust, faster & highly scalable data pipelines and streaming.

Why have automated schema generation as a part of the modernization suite?

- It is a required migration activity that helps in achieving CFLT compatibility. Important to convert existing XML messages (used in TIBCO) into Avro format (used in Confluent) for Confluent compatibility.
- Avro uses a schema to properly describe and document each field - data and schema are stored together in the same file or message, making it easy to send data to any destination or process it with any program.
- This Accelerator allows management by Confluent Schema Registry. A Schema Registry can store and receive Avro schemas, allowing producers to check if a schema already exists before sending it inside a Kafka record. This allows producers and consumers to evolve their schemas while still being able to read each other's data. The AVRO decoder is capable of reading data even if the writer schema and reader schema has some differences.
- Avro is smaller and faster than most binary encoding formats and also supports most programming languages, including Java, C#, Go, and Python.

Benefits of Automated Schema Generation:

- Expedites the transformation from TIBCO to CFLT by automating the migration entirely.
- Reduces costs of hiring additional resources to migrate code manually.
- Saves time of the organization and enables allocation of critical & senior resources on other mission-critical activities.
- Mitigates risk through automation as there is no scope for errors to creep in during the manual migration of code.
- Customers may save up to 50% of the engineering time/effort (consulting costs) as compared to performing the same TIBCO XSD schema to Avro format port manually.

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About Psyncopate

Psyncopate Technologies, Inc. is the leading digital transformation empowerment firm specializing in the enablement of our clients to thrive in the real-time data-driven economy. We are our clients' strategist, expert advisor, full-service systems integrator, trainer, problem investigator and operational support. We are beholden to our clients' success and not to any one technology. Psyncopate seeks to maximize our customers' lifetime value through 100% client satisfaction. Excellence is ingrained in our company's culture and is the basis of our reputation.