TIBCO Cloud Integration

The TIBCO Cloud enterprise integration platform-as-a-service (iPaaS) is the most versatile in the market, servicing the needs of both large and small enterprises. With its open core, you have access to best-of-breed technology that accelerates your digital business initiatives. It boosts business agility by empowering a wide variety of users to quickly connect your apps, data sources, and devices. It empowers your teams to transform outdated architectures into scalable and secure integration points. And it automates business processes using any integration style, including modern API-led and event-driven, for maximum architectural flexibility.

Comprehensive Connectivity

The TIBCO Cloud Integration enterprise integration platform-as-a-service (iPaaS) increases business agility with accelerated connectivity:

- Create seamless connectivity across the enterprise
- Respond quickly to continuous disruption
- Use business resources more efficiently

The TIBCO Cloud Integration iPaaS supports a diverse range of integration use cases including:

Application integration

- Connect SaaS and on-premises business applications and software
- Support all integration styles, including:
    - APIs: RESTful, GraphQL, AsyncAPI, and gRPC
    - Event-driven integration flows
    - Messaging
    - File-based integration
    - Legacy integration styles including SOAP, XML, mainframe

Data integration

- Data migration, replication, and synchronization
- Data-as-a-service architecture using APIs
- Simple wizard to copy, archive, and analyze business-critical data
- Out-of-the-box capabilities for change data capture, batch processing, and paging

Event-driven integration

- Flexible real-time integration flows powered by an open-source event-driven core
- Wide range of triggers that consume events from various systems

Process automation

- Creating, streamlining, and automating business processes and workflows
- Guided interface that speaks the language of the business, empowering business users to define or adapt processes themselves

Event-stream processing

- Event triggers that receive data streams
- Action-chain stream processing with the ability to join event streams from multiple sources
- Support for messaging and streaming frameworks such as Apache Kafka, Apache Pulsar, and AWS Kinesis

IoT integration

- Ingesting and publishing data feeds over popular IoT protocols, such as MQTT and CoAP

Edge processing

- Creating flows that can be exported from the cloud-based designer and deployed on a lightweight runtime engine optimized for execution on IoT devices and edge applications such as AWS Greengrass
- Running ML models on edge devices to locally process real-time IoT sensor data

Mobile/Web integration

- Exposing and monetizing business services via standards-based APIs including native GraphQL with integration of databases and systems of record
- Build a bi-directional WebSocket connection to pass messages between a client and server

B2B integration

- Support for all popular B2B integration protocols including EDI, SWIFT, HL/7, FHIR, and file-based integration

Embedded Solution Marketplace

Discover pre-built integration solutions contributed by TIBCO experts and our vast customer and partner ecosystem. Access integration accelerators, apps, templates, connectors, and more in a single click.

Full API Lifecycle Management

- Create, model, test, and implement APIs within a unified API developer portal
- Publish APIs on an API marketplace for discovery and consumption via AWS Marketplace
- Secure APIs with powerful authentication to enforce security policies and traffic limits with the TIBCO API gateway
- Measure ROI and API performance with advanced analytics

Service Registry

- Register, share, and easily discover REST APIs exposed by your apps and enable secure inter-application communication across your business

Extensive Connector Library

An extensive library of 200+ pre-built connectors for virtually any endpoint including:

- **API standards** including HTTP, REST, Open API Specification (OAS), GraphQL, gRPC, Websocket, OData, and SOAP
- **B2B protocols** including HL/7, FHIR, EDI, EDIFACT, X12, and ICD-9/10
- **Big data and NoSQL** endpoints such as, Apache Hadoop/HFDS, Microsoft Azure Data Lake, Google BigQuery, MongoDB, Snowflake, Amazon DynamoDB, SAP HANA, Greenplum, and Amazon Redshift, Redis, and Google Cloud Datastore
- **Business applications** including HubSpot, Marketo, Microsoft D365, Oracle NetSuite, Workday, SAP S/4 HANA, Salesforce, ServiceNow, and Jira
- **Custom connectors** using our open SDKs
- **File transfer and storage** services including AS2, CFI protocol, FTP, FTPS, HTTP/S, local, SFTP (SSH)
- **Mobile notifications** including Amazon SNS, Android, iOS, and Twilio
- **Messaging services and protocols** such as, Apache Kafka, Apache Pulsar, Apache Qpid, Rabbit MQ, Apache Active MQ, Amazon SQS and SNS, Google Cloud Pub/Sub, Azure Service Bus, Red Hat AMQ, IBM MQ, and TIBCO Cloud Messaging software

- **Process tools** including variables, logger, mapper, patterns search, TIBCO BPM Enterprise, TIBCO Cloud LiveApps, and TIBCO Cloud AuditSafe software
- **Relational databases** and document storage including Microsoft SQL Server, Oracle MySQL, Oracle Database, ODBC/JDBC/OLE DB, PostgreSQL
- **Storage services**, such as Amazon S3, Box, Dropbox, Google Cloud Storage, Microsoft Azure Storage, and Microsoft SharePoint
- **Various data formats** including, COBOL, PL/I, RPG, XML, CSV, PDF, Apache Avro, JSON, and Microsoft Excel

Cloud-native App Development

- Development of scalable microservices and serverless functions for synchronous and asynchronous communication patterns
- Out-of-the-box integration with preferred devOps, CI/CD, and cloud-native tooling for deployments, configuration management, distributed tracing, and more
- Embedded support for deployment to AWS Lambda

Automated Integration Flow Testing

Robust debugging and testing capabilities including:

- Support for step-back testing, step-in and step-through debugging, sample data validation, and changing values in flight during testing
- Support for automated unit testing and mocking
- Remote debugging

AI-driven Experience

- Embed trained machine learning models into apps and APIs built using Catalyst ML and modelOps
- Receive best-practice recommendations when connecting data between source and target fields based on historical continuous learning patterns
- Advanced smart mapping wizard provides intelligent matching of the source and target elements by comparing their names, ancestors, types, depth, and cardinality— even in large complex projects

Flexible Deployment Options

A diverse set of deployment options to build integrations once and deploy them anywhere, including:

- TIBCO Cloud environment (either AWS or Microsoft Azure)
- Private data centers

- PaaS and container-based platforms including Cloud Foundry, Docker, Kubernetes, 100+ CNCF certified K8s platforms and offerings such as:
    - OpenShift
    - Managed Kubernetes Services across AWS, Azure, Google Cloud, Ali Cloud, CloudFoundry solutions such as Tanzu Application Service (TAS)
    - Container platforms and services such as Docker Enterprise, AWS ECS, Azure ACI, Google Cloud Run
- Serverless deployment including AWS Lambda, Azure Functions, Knative, and Pivotal Function Services
- Edge computing and connected devices including small and micro IoT devices

Centralized Governance

Manage and monitor integrations across the enterprise within a centralized, governed environment:

- Hierarchy of parent-child organizations provides logical boundaries between functions, departments, geographies, or customers
- Role-based access provides fine-grained control over team member access and permission level
- Operational dashboards list all integration applications along with their operational status, endpoints, visibility status, and type of implementation:
    - Application monitoring details including process, activity, and instance-level details
    - Operational and traffic analytics for deployed APIs
    - Monitoring of all apps in a single location regardless of deployment with the hybrid agent
    - Native support for cloud-native monitoring solutions including Prometheus and Grafana

Scalable and Secure Framework

The TIBCO Cloud Integration iPaaS is built with security in mind, through features such as:

- Multi-tenant platform with a logical separation of environments or organizations
- GDPR, ISO27001, SOC1 Type II, SOC 2 Type II, and PCI compliance
- High-availability with three separate availability zones for each deployment instance to evenly distribute app instances
- Encrypted network traffic and data storage

- Dedicated support from TIBCO Compliance and Security team via phone, email, and web
- 99.95% uptime Service Level Guide (SLA)
- Publicly accessible status reporting for all capabilities and systems

For a detailed overview of the security framework, system design, operational best practices, and more, see the TIBCO Cloud Integration Security Overview.

Get Started

Simply register for a free trial and you are on your way. Free video help, user guides, samples, and examples are available with your trial. If you want to learn more about TIBCO Cloud Integration and see how this powerful iPaaS can help you solve your most complex business and technical challenges, watch the demo.

TIBCO Software Inc. unlocks the potential of real-time data for making faster, smarter decisions. Our Connected Intelligence platform seamlessly connects any application or data source; intelligently unifies data for greater access, trust, and control; and confidently predicts outcomes in real time and at scale. Learn how solutions to our customers' most critical business challenges are made possible by TIBCO at www.tibco.com.

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