

TIBCO Flogo® Enterprise

Rapidly develop modern APIs, microservices, and event-driven apps using an intuitive flow designer. The TIBCO Flogo® Enterprise component is event-driven at the core, enabling developers to embed event-driven integration flows into applications using a visual flow designer.

Modern connectivity

TIBCO Flogo Enterprise supports a variety of modern API-led and event-driven integration patterns including:

API-led integration

- Visually develop REST, GraphQL, OpenAPI, and gRPC using built-in tooling to model, mock, and test
- Build APIs and microservices with visual orchestration and choreography

Event-driven integration

- Flexible real-time integration flows powered by an open event-driven core
- Consume events from various sources using a wide range of pre-built triggers, AsyncAPI specifications, or build your own custom triggers

Event-stream processing

- Receive data streams via event triggers
- Respond to events from data streams using rules and context
- Action-chain stream processing with the ability to join event streams from multiple sources
- Support for messaging and streaming frameworks such as TIBCO® Platform—Messaging, Apache Kafka, Apache Pulsar, and AWS Kinesis IoT integration
- Ingesting and publishing data feeds over popular IoT protocols, such as MQTT and CoAP

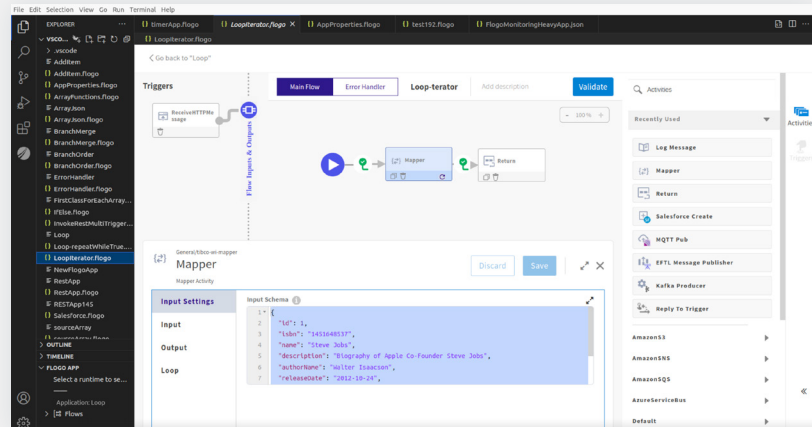
Edge processing

- Create flows that can be exported 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

- Expose and monetize 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

Development experience



Accelerate TIBCO Flogo Enterprise development by tapping into the robust Microsoft Visual Studio Code ecosystem. Design, build, and test Flogo applications in a local design experience while taking advantage of the VS Code extension library. Connect to multiple runtimes to build applications and use the TIBCO Platform API to build and run applications directly from the design experience.

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, credential management, distributed tracing via OpenTelemetry, and more
- Embedded support for deployment to AWS Lambda

Automated integration flow testing

Robust debugging and testing capabilities including:

- Continuous Development and Testing including sample data validation for multiple sets of data and changing values in flight during testing
- Support for automated test suites, unit testing, and mocking
- Support for testing your on-premise or remote services and data sources

Comprehensive connector library

TIBCO Flogo Enterprise offers an extensive library of connectors to API endpoints, messaging services and protocols, business applications, relational databases, and the ability to easily create your own custom connectors. For the full list of support connectors see the TIBCO Platform — Integration Connector Datasheet.

Flexible deployment options

Choose between a diverse set of deployment options to build integrations once and deploy them anywhere. Flogo applications provide extremely lightweight binaries that enable efficient deployments everywhere from on-premise to IoT edge devices:

- 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
- TIBCO Cloud environment (either AWS or Microsoft Azure)
- Serverless deployment including AWS Lambda, Azure Functions, Apache Pulsar Functions, Knative, and Pivotal Application Services
- Edge computing and connected devices including small and micro IoT devices



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TIBCO, a business unit of Cloud Software Group, has helped global enterprises solve their most complex business challenges for more than 30 years. The TIBCO Platform delivers industrial-strength solutions that meet the highest performance, throughput, reliability, and scalability needs while offering the widest range of technology and deployment options to deliver real-time data where it's needed most. Learn how TIBCO solves its customers' mission-critical software needs at www.tibco.com.

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