

TIBCO BusinessWorks Container Edition

NEW DEVELOPMENT STYLES

Existing monolithic applications, legacy platforms, and lengthy operational deployment cycles are holding innovation back. Microservices are becoming the development method of choice because they supply discrete services that can be quickly created or modified and loosely coupled into applications.

The combination of a DevOps culture, microservices, and enterprise platform as a service (PaaS) are enabling the responsiveness and the rapid change needed.

Well-established companies are being forced to change their business models because of new competitors equipped with digital business capabilities. To remain competitive, and in some cases even survive, you must be able to keep pace and quickly respond to increasing customer expectations. To do this, firms in every industry will shift from being simply cloud adopters to cloud companies. This will require a transition from legacy platforms to a cloud-native IT infrastructure.

How well you master the cloud transition will directly relate to your success.

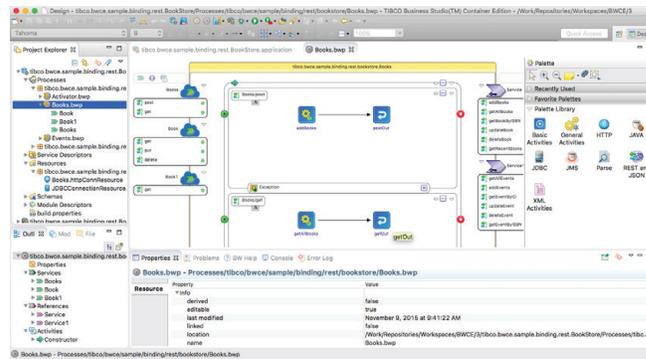
TIBCO BusinessWorks™ Container Edition provides the fastest time to cloud results by letting you focus on primary functions, leaving much of the complex work of integrating applications and microservices to automation. This automation enables you to:

- Reduce time to market
- Maximize resource utilization
- Provide developers instant access to infrastructure and platform resources using self-service tools

CONTINUOUS INNOVATION

“Since 2000, 52% of the Fortune 500 has turned over. Continuous innovation and deployment of fresh software is one of the few measures that will keep a company from becoming the next to drop off the list.”

—Charles Babcock, InformationWeek



The TIBCO BusinessWorks Container Edition visual designer lets you integrate services with drag-and-drop simplicity.

BUILD CLOUD-NATIVE INTEGRATED APPLICATIONS

Adopting a cloud-native application architecture is a great way to increase your agility. It can deliver scalable software in an agile way using on-demand, elastic, highly automated infrastructure.

At the heart of a cloud-native strategy is the use of microservices for quickly designing and iterating software applications as suites of fine grained, single-purpose, independently deployable services. The granularity of microservices makes integration more important than ever, and TIBCO BusinessWorks Container Edition lets developers build integrated apps more quickly and easily. It allows them to focus on service functionality instead of the choreography and integration between microservices.

Natively running within Pivotal’s Cloud Foundry PaaS, TIBCO BusinessWorks Container Edition derives the benefits of the Cloud Foundry platform:

- Fast application development and deployment
- Highly scalable and available architecture
- DevOps-friendly workflows
- Reduced chance of human error
- Multi-tenant compute efficiencies

Developers get self-service, production-ready, runtime application containers and fully automated service deployments. Operations teams get visibility and control made possible by platform-enforced policies and automated lifecycle management.

FEATURES AND CAPABILITIES

SIMPLE INTEGRATION OF MICROSERVICES

An Eclipse-based visual designer allows you to easily connect and choreograph a collection of microservices without writing a line of code. Connecting applications is as easy as dropping resources from a rich set of palettes and pre-built connectors into the integration window.

Integration processes or shared connections to external resources can be packaged as modules and reused to maintain consistency across the platform. TIBCO BusinessWorks Container Edition also allows applications to leverage service discovery and client-side load-balancing features using frameworks such as Eureka and Ribbon.

SIMPLIFIED DATA MAPPING

The easy-to-use visual drag-and-drop data mapper abstracts the complexity of data formats and allows developers to focus on what the data means as opposed to how it is represented in XML, binary, or proprietary formats.

CONDITIONAL FLOWS

Conditional workflows simplify even the most complex choreography between microservices. They allow developers to focus on the business logic and avoid the complexities of coding each condition.

CONTINUOUS INTEGRATION

In addition to leveraging the visual debugger, development tasks are simplified by supporting continuous integration technologies such as Apache Maven® and Jenkins®, and by exposing a rich set of commands that can be further used to automate build or testing processes.

CONFIGURATION MANAGEMENT

Native integration with the Cloud Foundry configuration management service provides capabilities to easily manage, review, version, and audit configuration settings.

NATIVE CLOUD FOUNDRY SUPPORT

Integration applications automatically derive the benefits of running within Cloud Foundry including:

- Access to a variety of backend services, for example, MySQL
- Application health management
- Software load balancing
- Application performance monitoring
- Log aggregation and export
- Network access policy enforcement
- Event audits
- Service discovery and secure credential storage



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03/18/16