ADVANTAGE YOU

Leverage TIBCO modernization to unlock the power within your enterprise

Overview

Enterprises are going through a complete overhaul of their business environment. As a result, it is imperative to keep modernizing IT systems to stay agile and gain a competitive advantage. The key drivers of modernization are listed in this flyer.
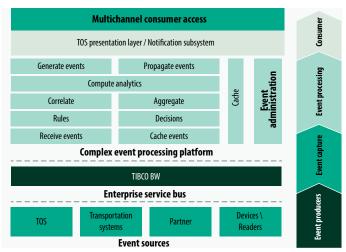
TIBCO, with its all-round leadership from service-enabling enterprises, to loosely coupling applications, to enabling APIs, to solutions using complex event processing, to low-latency in-memory data grids, and to cloud hosting solutions, have established themselves as the primary agent to help enterprises modernize and continually optimize.

The Infosys-TIBCO partnership delivers modernization, business transformation, and process-optimization solutions for global enterprises. In the era of rapid digitization and new-age integration patterns, Infosys-TIBCO service offerings have evolved to meet the demands of emerging markets for API integration and microservices development. Traditional TIBCO services are now being delivered through the PaaS paradigm, bringing in the efficiencies and value of CICD (Continuous Integration / Continuous Delivery) and DevOps. Infosys business solutions on TIBCO range from the Next Best Offer for retail customers, to the Infosys Telco framework, as well as being a core component of the Infosys Edge products.
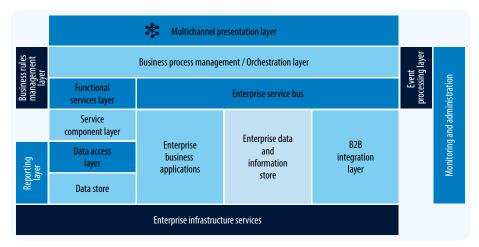

Modernization drivers

- IT systems are monolithic, with high costs and difficult to change
- Mobile and anywhere channels demand that legacy enterprise systems step up and serve up, and be agile and fast – all in real time
- High maintenance cost of legacy systems
- Unstable and unreliable systems
- Skills required for the continuous maintenance of older technology stack
- Need to add improved visibility to the business
- Need better insights for IT management
- Need improved scalability
- Personalized customer experience
- Need to engage customers and partners on their own terms

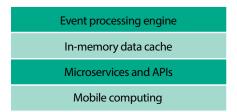

Modernized reference architecture

How to modernize

- For modernization to yield maximum results, we recommend the modernization process, data, application, and infrastructure layers
- To ensure business continuity, the tightly coupled legacy applications have to be methodically decoupled using services and event messaging layers to align with business processes
- When business applications have been logically decoupled, they should be modernized using the architectural constructs of:

  o Microservices
  o Event processing
  o Service-oriented architecture
  o Real-time analytics
  o Low-latency in-memory computing

- Enabling field events from various aspects of business operations using IoT is fundamental to modernization. To support the events generated by IoT, a robust, complex events processing engine should be used

Business rules management layer	Multichannel presentation layer			Event processing layer	Monitoring and administration
	Business process management / Orchestration layer				
	Functional services layer	Enterprise service bus			
Reporting layer	Service component layer	Enterprise business applications	Enterprise data and information store	B2B integration layer	
	Data access layer				
	Data store				
Enterprise infrastructure services					

TIBCO Modernization Stack

Event processing engine	Analytics
In-memory data cache	Service-oriented architecture
Microservices and APIs	Application cloud
Mobile computing	CICD and containarized software

Modernization levers

Case studies:

Solution name:

Wholistic Modernization

Caselet

Client: Retail department store chain, USA

Services: SOA enablement, enterprise modernization, and omnichannel retail enablement

Business value: Reduction of legacy mainframe MIPS from 8800 to 3500 over the course of five years. Secondary benefits include alignment of business and IT, refreshed workforce, and agile systems

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Solution name:

System Modernization

Caselet

Client: Grocery retailer, UK

Services: SOA implementation and modernization

Business value: Enabled systems in the customer experience as well as operations area to be standardized, event-enabled, and modernized. Implemented order capture and management, along with supply chain and logistics in both areas, and also achieved a 30-percent improvement in user satisfaction.

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