

# SYSTEMATION TIBCO EBX FRAMEWORK

TIBCO EBX Development Accelerator  
Framework

TIBCO EBX Automated Deployment Framework

TIBCO EBX

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## Introduction

Since 2010, for 10 years, Systemation is the reseller and implementation partner for the Master Data Management solution TIBCO EBX.

TIBCO EBX is suitable for and applicable on all master data domains. TIBCO EBX not only is a solution for your master data, but also for your meta data and reference data

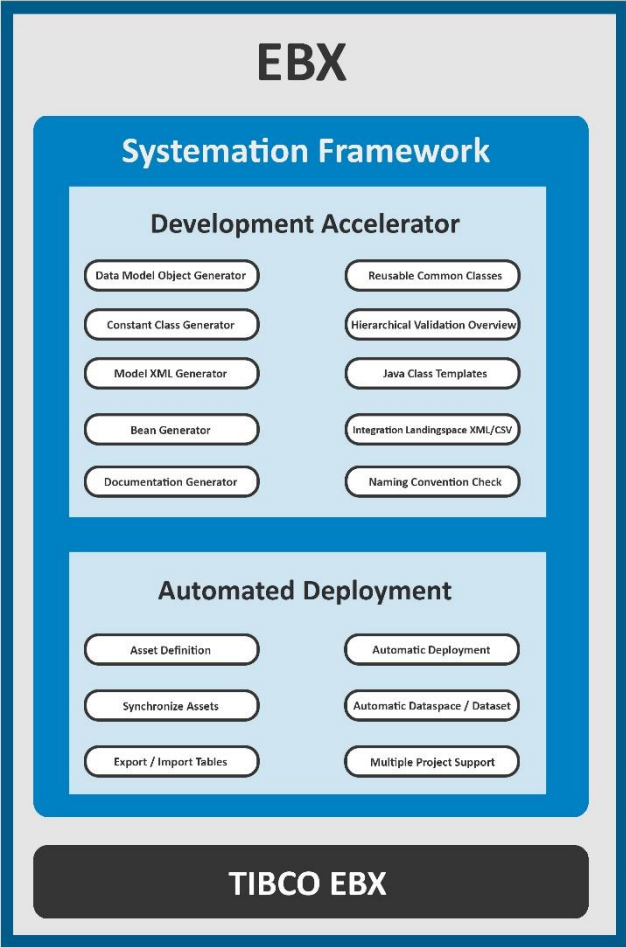
TIBCO EBX has a set of unique aspects. One of which is the capability for applying it in all multiple domains, such as Product, Customer, Organization and Location. Another capability is the power to develop your EBX application(s) model driven.

This document is intended to provide insight in the Systemation Framework, developed by Systemation over the past years. Applying the Framework to your TIBCO EBX application(s) intends to accelerate development and simplify both maintenance and support.

The components with the Systemation Framework are an extension to the standard functionality of TIBCO EBX. The components within the framework are bringing the powerful functions of TIBCO EBX to a higher level.

Applying the Systemation Framework delivers a measurable saving of development time and cost. Use cases with savings up to 30% support this claim. The framework has a profound impact on the quality and stability of the application created. Hence, maintenance of your EBX applications, developed using the Systemation Framework, is highly simplified. In practice, this will provide you with a significant saving on maintenance and strong reduction of errors in the process of deployment.

It is obvious that the Systemation Framework is continuously being maintained and further developed by Systemation.



*Schematic view of the Systemation Framework*

## TIBCO EBX Development Accelerator Framework

TIBCO EBX is a model driven solution. From the created data-model a base MDM application is generated. We then add additional requirements to the data-model, such as specific business rules, workflows and integration with other databases.

The Systemation Framework contains, in addition to the data-model, functionality that is generated and applicable for the application. Examples are:

- Data model object generator
- Control the data-model the required naming conventions
- Perspective generator
- Documentation generator
- Java Template Library

Next to these types of functions the framework contains a set of functions developed by Systemation, which are generically applicable in various type of projects. The functions are combined with the provided Project Library. Examples are:

- User friendly validation reports for business users
- Multi Table import and export
- Automatic cleaning of closed dataspace and workflows
- Implementation of dynamic user-interface
- Advanced CSV import
- Multi-language support

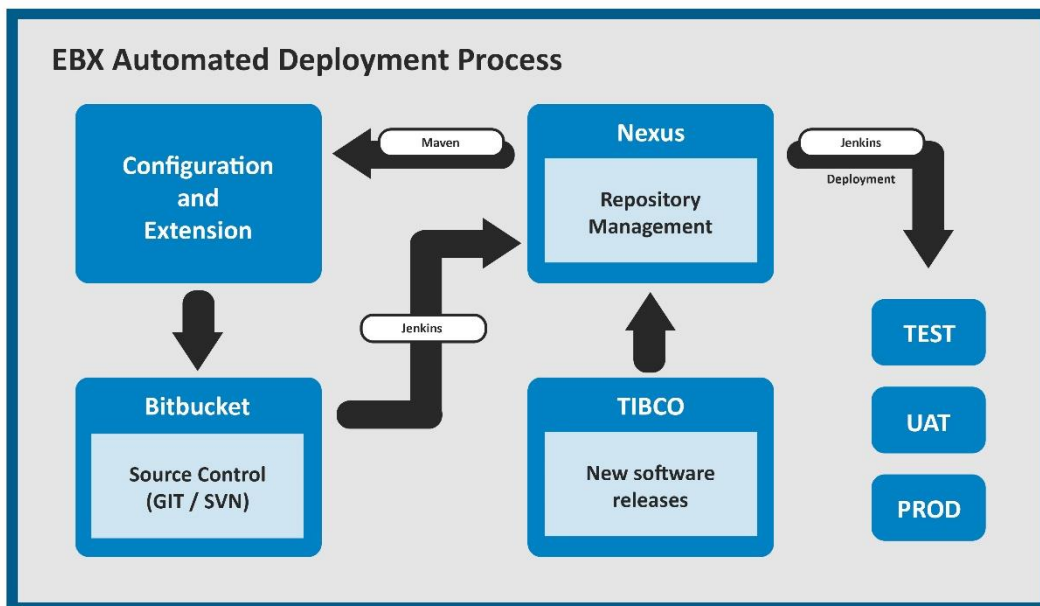
## TIBCO EBX Automated Deployment Framework

After configuring and developing the functionality and thorough testing, the application is ready for production. It is important that the process for moving the application to production is automated to the highest possible level, in order to prevent errors and speed up the process.

Systemation has developed the TIBCO EBX Automated Deployment Framework, which is a framework for Continuous Integration and Development. Within this framework open source solutions are being used, such as Maven, Eclipse, Git and Nexus.

Examples of tools within the Automated Deployment Framework are:

- Standard scripts/processes to setup new Development, Test and Production environment;
- Standard scripts/processes to deploy a new version of a project or part of it from Development through Test to Production



*Schematic view of the Automated Deployment Framework*

## Systemation Domain knowledge and Best Practices

Since 2010, Systemation implements and maintains Master, Meta and Reference data for its customers. Systemation has built a great level of knowledge and experience on:

- Sector:
  - o Retail, Finance, Government, Transport, Automotive, Banking and Insurance
- Domain:
  - o Customer, Product, Supplier, Reference Data, ..

Next to the gained knowledge, experience, the created repository with templates and start-up data-models, Systemation has access to the worldwide knowledge database of TIBCO EBX.

The combination of TIBCO EBX Frameworks, Accelerators and Best Practices offers the customers of Systemation strong advantages while creating and maintaining the EBX applications.

## Features and Benefits

- Accelerates implementation time up to 30%-40%;
- Fast API learning curve;
- More efficient collaboration between developers;
- Availability of frequently used functions;
- Fully automated deployment;
- A new EBX environment deployed within hours;
- New EBX versions deployed within minutes.

## Interested?

Send us an email for more information at [info@systemation.nl](mailto:info@systemation.nl)