

Previous Doc. Number	Document Type PUMA-Architecture specifications	Document ID IS_1858057
	GeodIS	Version 1.0
Title AS - Architecture specification - TIBCO BWCE Runtime v 2.8.0.0		

Reason for Revision

	Approval Name	Date (Universal Time)	Reason for Signature
Approval	SOSNOWSKI Bartosz Sii	20 Dec 2022 08:58:29	I am approving this document as an author
Approval	GRZESIUK Grzegorz Sanofi	20 Dec 2022 09:10:58	I am approving this document
Approval	DUKE Elizabeth Elizabeth Duke - E0375729	20 Dec 2022 09:37:01	I am approving this document on behalf of my company under contract with sanofi
Approval	LAMRANI Adil Sanofi	20 Dec 2022 10:09:14	I am approving this document
	Effective Date:	20 Dec 2022	

Confidential/Proprietary Information

TIBCO BWCE Runtime v 2.8.0.0
ITS ERP Platform

Distribution List

Names & Department	Rationale
iSHIFT COE Team	Information and Distribution

Version History

Version	Date (dd/mmm/yyyy)	Modification
1.0	19/Dec/2022	Initial version

Title	Page
Architecture Specification – TIBCO BWCE RUNTIME V 2.8.0.0	2/6

Table of Contents

1. Introduction	4
1.1. Related Documents	4
1.2. Glossary	4
2. Detailed Architecture Description.....	5
2.1. TIBCO Business Works Container Edition Runtime	5
2.1.1. General Description	5

Title	Page
Architecture Specification – TIBCO BWCE RUNTIME V 2.8.0.0	3/6

1. INTRODUCTION

The purpose of this Architecture Specification for the TIBCO BWCE Runtime v 2.8.0.0, is to provide the description of the EAI Platform detailed architecture, to identify the software and hardware components and to describe their implementation for the different environments (development, test, user acceptance, production).

The aim of the EAI Platform is to provide an Digital IT system that will allow the deployment and the execution of TIBCO Integration applications.

The scope of use of this platform is for all Sanofi IS Units.

1.1. Related Documents

Doc ID	Title
IS_1618205	Project Plan – Tibco Cloud Platform
IS_1614874	Architecture Specifications - Tibco Cloud Platform

1.2. Glossary

Term or Acronym	Definition
BWCE	Business Works Container Edition
EMS	Enterprise Message Server
AWS	Amazon Web Services
GCP	Google Cloud Platform
EAI	Enterprise Application Integration

Title	Page
Architecture Specification – TIBCO BWCE RUNTIME V 2.8.0.0	4/6

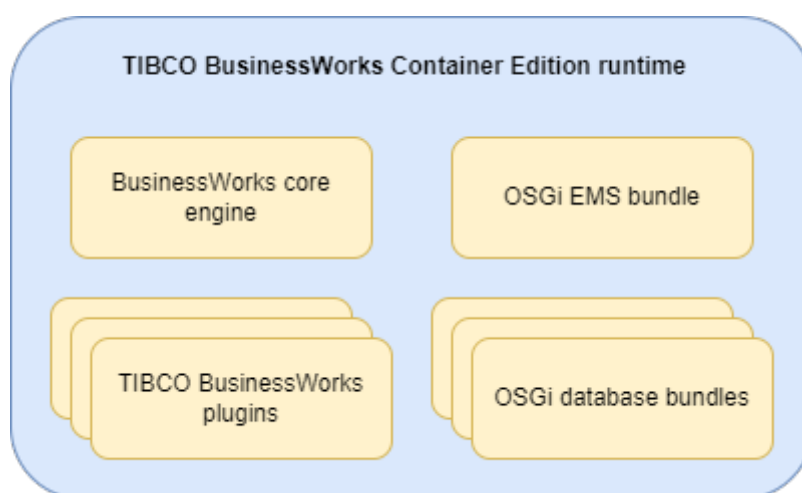
2. DETAILED ARCHITECTURE DESCRIPTION

2.1. TIBCO Business Works Container Edition Runtime

2.1.1. General Description

TIBCO BWCE Runtime is a Docker image with full TIBCO BWCE runtime environment. This image is used to run previously developed TIBCO BWCE applications.

Runtime image contains BusinessWorks Engine which handle process execution, Business Works Plugins and Libraries (jar) used to extend BusinessWorks engine functionality.



Docker image build process is based on the TIBCO instructions located below:

[Creating the TIBCO BusinessWorks™ Container Edition Base Docker Image for Linux Containers](#)

During the build process, TIBCO BWCE runtime, libraries and plugins are downloaded from Sanofi Nexus repository.

Each of those components is aligned with the BWD (Business Works Developer) environment so that Tibco components built on one version of BWD will run on a corresponding version of TIBCO runtime.

Title	Page
Architecture Specification – TIBCO BWCE RUNTIME V 2.8.0.0	5/6

TIBCO BWCE Runtime v 2.8.0.0
ITS ERP Platform

The TIBCO BWCE Runtime version 2.8.0.0 has the following components installed:

Component/Plugin/Library	Version
Tibco BWCE Runtime	2.8.0
PostgreSQL JDBC driver bundle	42.5.1
MySQL JDBC driver bundle	8.0.31
Oracle JDBC driver bundle	11.0.0
EMS plugin	10.2.1
Jolokia library	1.7.1
TIBCO BusinessWorks Plug-in for Apache Kafka	6.6.0 v9.1
TIBCO BusinessWorks Plug-in for Large XML	6.1.4 v5
TIBCO BusinessWorks Plug-in for sFTP	6.1.4 v4
SAP Java Connector	3.1.6
TIBCO BusinessWorks Plug-in for SAP	8.6.0 v14
TIBCO BusinessWorks Plug-in for Salesforce.com	6.10.0 v15
TIBCO BusinessWorks Plug-in for Big Data	6.6.1 v3
TIBCO BusinessWorks Plug-in for AWS S3 Plugin	6.5.1 v8
TIBCO BusinessWorks Plug-in for Amazon SQS	6.5.2 v17
TIBCO BusinessWorks Plug-in for AMQP	6.3.1 v6

Title	Page
Architecture Specification – TIBCO BWCE RUNTIME V 2.8.0.0	6/6