

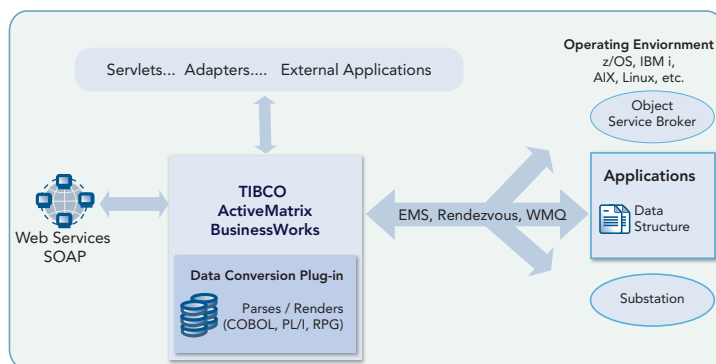
TIBCO ActiveMatrix BusinessWorks Plug-in for Data Conversion

TIBCO ActiveMatrix BusinessWorks™ Plug-in for Data Conversion enables organizations to have COBOL, RPG and PL/I data and the structures they use accessible to applications so that this data can be active participants in business processes as part of a service-oriented architecture (SOA).

Most organizations rely on a complex mix of off-the-shelf and custom applications, databases, and technologies. Optimizing the reuse and coordination of these IT assets and information sources helps organizations simultaneously reduce time-to-market and IT costs, but this data is not always easy to access or to integrate.

The Data Conversion Plug-in provides a simple approach to converting structured data representations into a data representation that can be reused within simple or complex cross-platform integration scenarios. One of its main integration uses is to centralize and simplify the interchange of mainframe data stored in mainframe specific COBOL, RPG and PL/I binary layouts with other applications that store their data in any other forms, including XML and non-XML representations. The data can be converted in either direction.

ACCELERATED ORCHESTRATION AND INTEGRATION



TIBCO ActiveMatrix BusinessWorks Plug-in for Data Conversion accelerates the integration of structured mainframe data into ActiveMatrix BusinessWorks processes.

AT A GLANCE

TIBCO ActiveMatrix BusinessWorks Plug-in for Data Conversion helps IT organizations integrate applications that utilize COBOL, RPG and PL/I structured data into their TIBCO-based IT infrastructure, meta data, business processes, and SOA.

BENEFITS

- Provides flexibility when incorporating COBOL, RPG, and PL/I data layouts into your processes as it unlocks the complexity in actively sharing this with other enterprise resources, opening up potentially disparate data and application sources to other processes.
- Enables developers to readily map and process data conforming to a structured layout.
- Supports complex processing in the same process thus simplifying the moving parts.
- Provides a rapid return on investment as it is a standard ActiveMatrix BusinessWorks plug-in so there is a minimal learning curve for developers.
- Editing of COBOL, RPG and PL/I structures for immediate parse and renders



ATTRIBUTES & CAPABILITIES

Converts Structured Data for Use in ActiveMatrix BusinessWorks

The plug-in converts binary data structures to and from XML for use in ActiveMatrix BusinessWorks processes. It allows for interpretation and creation of binary data based on a specified data structure.

- The plug-in is accessed from the Data Conversion palette from within ActiveMatrix BusinessWorks.
- Uses the standard ActiveMatrix BusinessWorks drag and drop user interface for process definition.
- Communication with applications is usually via SOAP, HTTP or a messaging service such as JMS, for example, TIBCO Enterprise Message Service™.
- Data can be retrieved from a file.
- The character sets to be used during run-time mapping can be defined: ASCII, EBCDIC, CP930, etc.

Parsing and Rendering Data

The plug-in supports both the parsing and rendering of structured binary COBOL, RPG, and PL/I data. Once the copybook is converted into an XML schema definition it is then used to:

- Parse binary data into an XML document. The data can then be used by ActiveMatrix BusinessWorks activities for processing.
- Render data produced by an ActiveMatrix BusinessWorks activity into a binary data format which is then passed to other applications.

When reading data from a file, parsing a large number of records can be accommodated by reading a preset number of records before moving onto the next set, making use of available resources.

Converting an XML Schema into a COBOL Copybook

The plug-in supports the conversion of an XML Schema into a COBOL Copybook. Once the XSD schema file is supplied, the mapping of XML Schema types to COBOL items is performed automatically.

In-Place Copybook Editing

In-place editing of copybook content is available from the Copybook Schema resource. Imported copybook content can be edited, parsed, compared to the original, and reverted back to the original content.

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