

Value Mapping Tool for SAP Exchange Infrastructure (XI)

Introduction

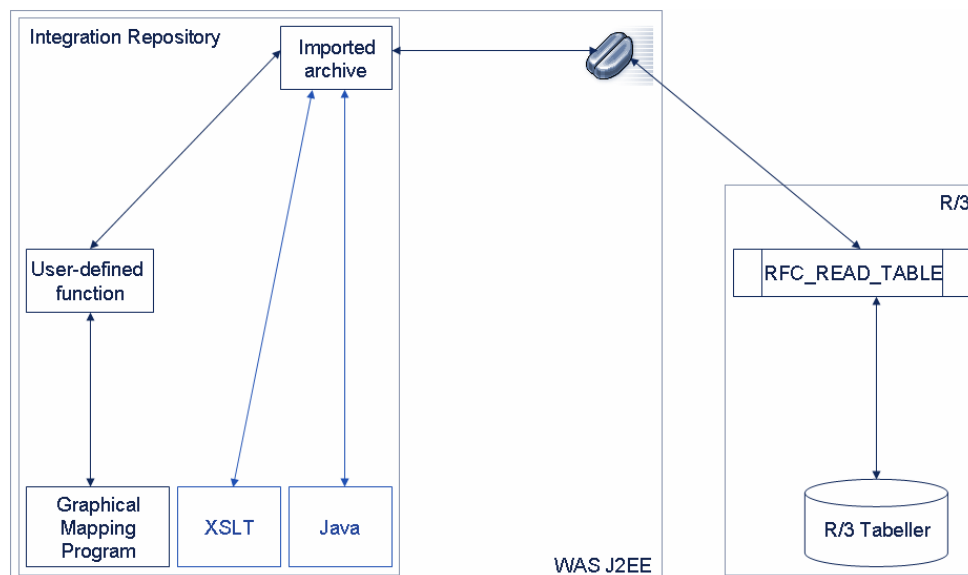
The Value Mapping Tool has been designed to overcome the limitations of XI's built-in value mapping functionality by providing

- Multiple source value and multiple target value mappings
- Non-bijective mappings
- A familiar maintenance environment for business users

...without increasing the complexity for developers.

Design overview

The following diagram depicts the runtime architecture of the Value Mapping Tool.



XI mapping programs interact with classes of an imported archive which, in turn, access a stateless session bean deployed on the XI server. This bean uses SAP's Java Connector (JCo) to call RFC_READ_TABLE in an R/3 system to access value mapping tables.

Any table in an R/3 system, both customer tables and SAP standard tables, can be used for value mapping. The tables can be maintained either through standard or customer transactions or using the standard table-maintenance functionality e.g. SM30.

The imported archive contains both a predefined, generic helper class and a table-specific class which is generated for each defined value mapping table. XSLT and Java mapping programs access this generated class directly while graphical mapping programs utilise very simple user-defined functions to access the imported class.