



MATRIX to SAP Interface (MSI)

Introduction

The modern business environment requires efficient use and integration of information systems. MSI has been developed in order to integrate 2 best in class products: MATRIX for tool management and SAP for enterprise management. The interface transmits from MATRIX to SAP a variety of tool and transaction data.

MSI offers some key benefits: SAP costing is calculated correctly; planners can be confident that tools will be available when needed; and SAP stock management and purchasing will always be in line with actual tool consumption.

MSI is a very robust tool that can deal with any amount of stock transactions. It is flexible and can be modified according to changing needs. It is fully integrated in SAP using ABAP and operates the SAP standard objects to populate movements. It is also comprehensive, supporting the common SAP versions.

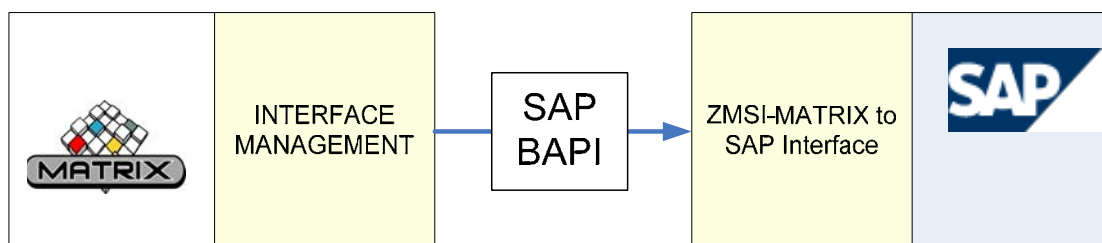
MSI is definitely the right solution to satisfy your current and future MATRIX to SAP integration needs.

MSI

Businesses today want to implement best in class solutions whilst maintaining one ERP database which is updated on line.

MSI lets you manage your tools within the MATRIX cabinets whilst ensuring that all the transactions are transferred correctly to SAP. MSI is using SAP technology to transfer the data as well as to check and verify that all the data sent to SAP is correct.

MSI is comprised of two components: Interface Management in the MATRIX software, where the interface parameters are configured; and ZMSI which is a SAP program that was developed in ABAP. ZMSI lets you flexibly configure the interface, run it, correct errors and create reports. Both components are connected through the SAP BAPI connection, which creates a flexible, configurable and robust solution.

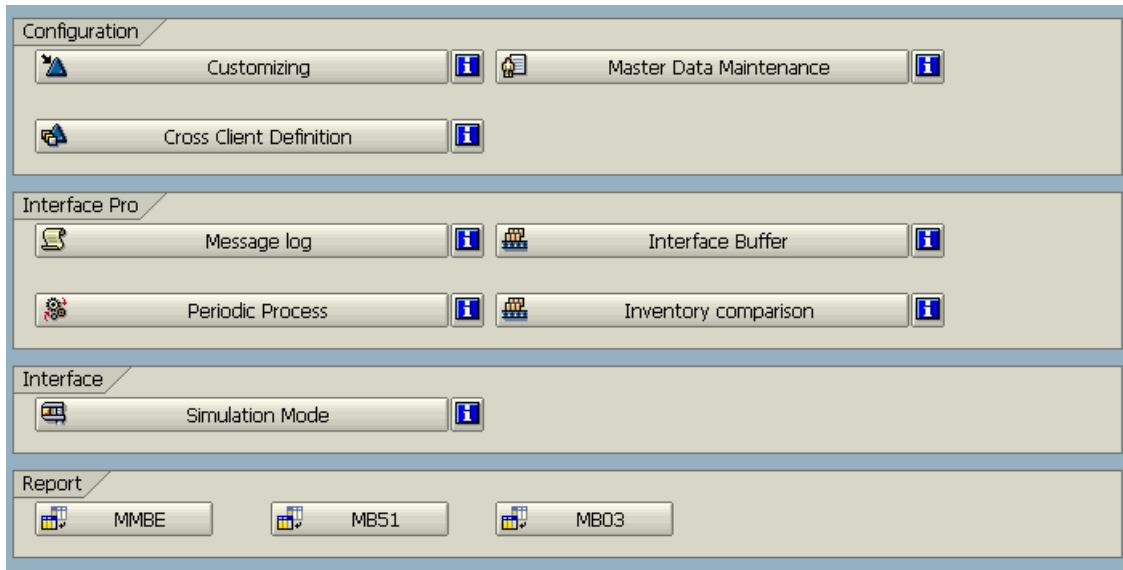


ZMSI was developed by Taldor, a well established business partner of SAP.





MSI Main features



ZMSI Configuration

It is possible to configure how MSI will work through easy to use tables. The following base data can be configured in ZMSI:

- Translation between MATRIX cabinet and the Plant and Storage Location in SAP.
- Definition of the different transaction mapping between MATRIX transaction types and SAP movement types.

Stock management in SAP can be defined on the Item – Warehouse level or on location level (SAP-WM).

MSI supports SAP issue and reverse issue movements, receipt as well as stock transfer.

ZMSI movement management (Buffer)

The Buffer contains all the transactions which were sent from MATRIX to SAP. In the Buffer you can view all sent transactions and error codes for failed transactions. You can also correct transactions with errors and re-process them.

The relevant SAP material document is easily accessible from the Buffer.

SAP Movement types supported in MSI

201 – Issue to cost center

101 – Receive based on purchase order

311 – Transfer - this movement is used to receive material in MATRIX without having to input the SAP purchase order number

Error log

ZMSI contains a full error log that helps track errors and reasons.

You can run reports on the log in order to monitor the operation of the interface.





Stock Comparison

MSI can compare the stock between MATRIX and SAP. The output of the stock comparison is a good way to verify that the two systems are correctly synchronized. It is recommended to run the comparison periodically.

MATRIX Interface Management

Field Code	Field Name	Value	Remarks
01	Server Name	111.111.111.111	
02	User	GLD	
03	Password	*****	
04	Client		
15	Where	TRANSACTION_TYPE_KEY:n...	
06	Cost Center code	Department	
05	System Number	22	
07	Logical System	Matrix	

In the MATRIX Interface Management we define the relevant values for the SAP interface. You can run the interface each time a transaction is created in MATRIX or schedule it to run periodically.

Supported Software Versions

SAP versions: 4.6C, ECC5, ECC6.

MATRIX versions: 4.0 and higher.

