



# MAPPING Suite and SAP

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## MAPPING Suite: Printing Solutions For All ERPs

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MAPPING Suite makes it possible to transform and publish all documents coming from SAP whether in **XSF**, **RDI**, **SAPGOF**, **XML** or **TXT** format.

What's more, MAPPING Suite's spooler (BC-XOM certified) can do all the spooling instead of SAP.

### Transform and publish all SAP documents with MAPPING Suite (XSF – RDI – SAPGOF)

MAPPING Suite makes it possible to easily reformat SAP data to your liking.

Changing the layout of spool files, adding logos and overlays is now a total snap with our document composition module MAPDRAW. MAPOUT and MAPWEB are two other modules that make it very easy to archive Documents and make them readily accessible to both local and remote users. And the same functions are also available in UNICODE.

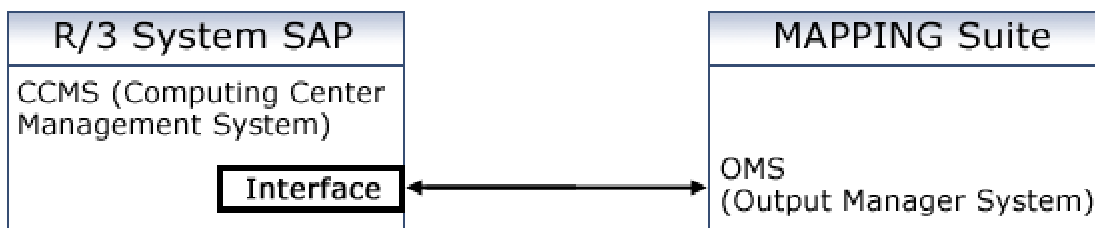
With MAPPING Suite, you won't have to modify SAP programs. MAPPING handles data coming from SAP directly be it XSF, RDI, SAPGOF, XML or TXT format.

With MAPPING OUTPUT MANAGER, you will send data spool files to entry points to trigger processing rules (remapping, reporting, sorting, splitting, etc.) as well as print rules (print, email, fax, archive).

MAPPING Suite and MAPPING OUTPUT MANAGER will manage all print files and printers and send information back to SAP very simply.

### MAPPING Suite is SAP certified (BC-XOM)

Connect your SAP systems to MAPPING Suite via the XOM external interface (eXternal interface for Output Management) to manage all print spool files coming from SAP. The interface monitors and retrieves the status of the spool files sent to MAPPING OUTPUT MANAGER.



Simply define your ROMS (Real Output Management System) and LOMS (Logical Output Management) as you wish. MAPPING Suite understands and interprets every single command in the XOM interface.

- SUBMIT

- POLLING or CALLBACK
- JOB QUERY
- DEVICE QUERY
- CANCEL

These features are available in Command line mode or RFC (*Remote Function Call*) mode.

### OMS Polling Interface

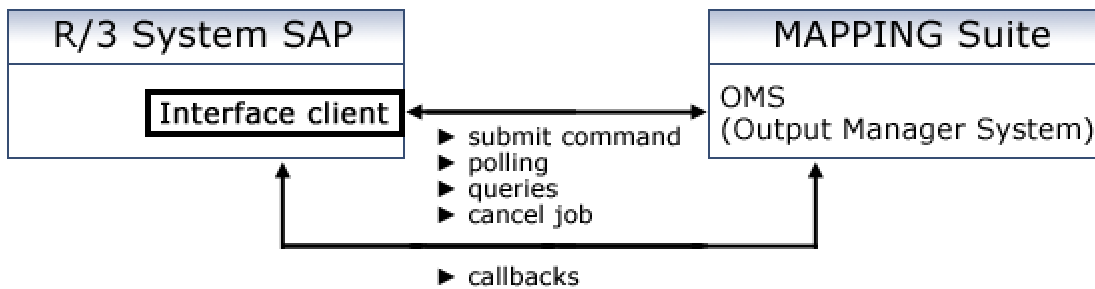


The Command line mode is easy to configure and particularly suited to small or test configurations. Its features will appear in the form of commands installed on the SAP system. At any time, you will be able to retrieve the status of all print spool files and [printers](#).

The Command line mode is simple and offers good performance on a relatively small number of print requests. It will also return the status of the spool files.

On the downside, the Command line mode will not retrieve the status of [printers](#) in real time.

### OMS/XOM Callback Interface



Callback mode is used to obtain real time statuses. It is equivalent to the polling interface but job and [printer](#) statuses are sent by MAPPING OUTPUT MANAGER to an RFC client (installed on the SAP machine or a *standalone gateway*)

The RFC (*Remote Function Call*) client collects events and operations relating to print jobs and [printers](#) in MAPPING OUTPUT MANAGER. These events (print, errors, alerts...) are then sent to your SAP systems while observing the timeout or the maximum number allowed ([SAP](#) settings). The Callback Interface mode reduces the number of messages and network transfer.

This is a real time mode that helps anticipate [printer](#) operations (changing paper, error recovery...) and manage priorities.

In Callback Interface mode, [printer](#) statuses are rerouted to backup systems (*Alternative server*) in case a problem occurs. If there is no backup system involved, the messages are kept in [MAPPING OUTPUT MANAGER](#) and delivered once the systems are back online.

Callback interface mode guarantees the reception of all important events around your print files. You can configure different levels of significance to ignore less important ones or narrow down the messages according to the degree of relevance of your print files.

## **OMS Operations Supplement**

At any time, you can retrieve the status of the spool files sent to MAPPING OUTPUT MANAGER by using interactive commands.

- **DEVICE QUERY**

Sends a global status retrieval request to a particular queue (to retrieve the status of all spool files in that queue)

- **JOB QUERY**

Collects information about different spool files

- **CANCEL**

Deletes a spool file upon user request

## **OMS/XOM Multilingual Message Support Supplement**

In Callback Interface mode, the various messages retrieved can be translated to different languages if necessary. If different users connect with different profiles in different languages, the messages sent to SAP are translated. We do this to standardize the interface, improve user comfort and understanding of the different messages coming from MAPPING OUTPUT MANAGER.

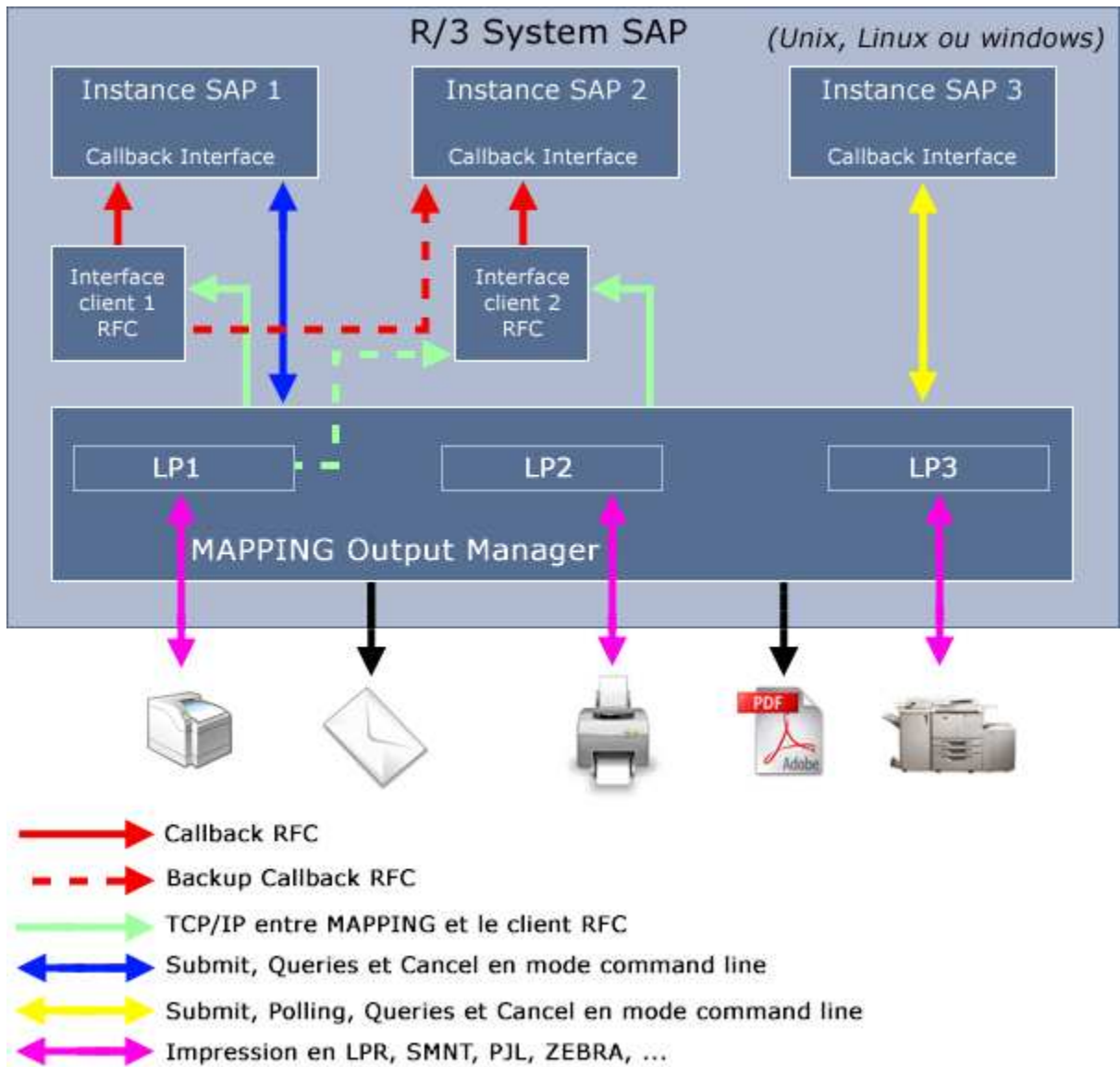
## **SAP / MAPPING Suite architecture**

MAPPING OUTPUT MANAGER is available on UNIX (AIX, HPUX et SUNOS), Linux and Windows. The Polling Interface and Callback Interface are available on the different operating systems and work independently. This means that you can select the OMS platform of your choice regardless of the SAP platform.

MAPPING interfaces support different kinds of architectures i.e. centralised, decentralised and multiplatform to fit your needs and manage thousands of [printers](#).

### **Sample centralised architecture**

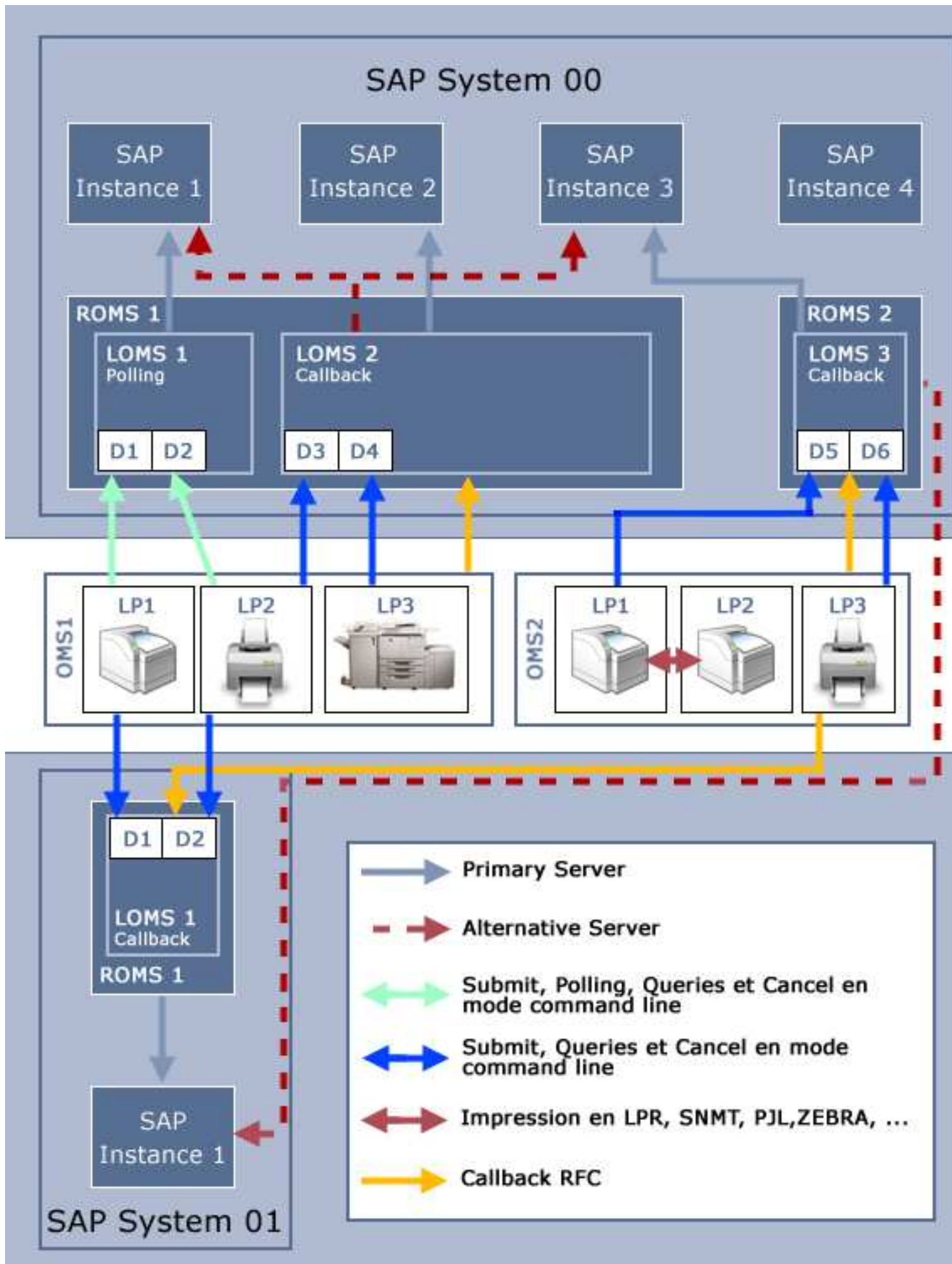
Configuration based around one server (UNIX, Linux or Windows) with three SAP instances and one OMS (with Callback Interface and Polling Interface).



The spool files sent to [MAPPING OUTPUT MANAGER](#) are transformed and then printed, archived or emailed. If the first RFC client doesn't answer, the messages will be sent to the second RFC client and if the first SAP instance doesn't answer, the messages will be sent to the second (backup) SAP instance.

### Sample decentralised and multiplatform architecture

Example configuration with four servers, two of which dedicated to SAP (multi-instances) and the two others dedicated to OMS MAPPING OUTPUT MANAGER.



A few screen captures from [SAP](#)

Spool no.	OutpReqNo.	Date	Time	ODev	Format	Log	Status text
<input type="checkbox"/>	11429	6	17.10.2007	16:46	DEVMAPRFC	X_65_200	Waiting in host spooler
<input type="checkbox"/>	11429	5	17.10.2007	16:46	DEVMAPRFC	X_65_200	is printing
<input type="checkbox"/>	11429	4	17.10.2007	16:45	DEVMAPRFC	X_65_200	Compl.
<input type="checkbox"/>	11429	3	17.10.2007	16:37	DEVMAPRFC	X_65_200	** Deleted **
<input type="checkbox"/>	11429	2	17.10.2007	16:32	DEVMAPRFC	X_65_200	** Deleted **
<input type="checkbox"/>	11429	1	17.10.2007	16:23	DEVMAPRFC	X_65_200	Problem (Spool )

6 Output requests displayed

3 Output requests being processed

1 Output request completed

2 Output requests has errors (may not have been output)

Date	Time	Class	Area	Job Status	Message
17.10.2007	16:03:44	Problem	Printer	000001 Entry, Print Load Tray 1 - Plate A4 - down-other-noPaper-offline-serviceRequested	
17.10.2007	16:03:40	Problem	Printer	000001 Entry, Print Busy PCL - Network - down-other-noPaper-offline-serviceRequested	
17.10.2007	16:03:35	Information	Spool	000001 Entry, Print Ready - Tray 1 Empty - warning-ldt-10wPaper-serviceRequested	
17.10.2007	16:03:35	Information	Spool	000001 Entry, Not p Queue for HYPRINTER2 ready	
17.10.2007	16:03:33	Information	Spool	000001 Entry, Not p Device for DEVHYPRINTER2 ready	

Date	Time	Class	Area	Job Status	Printout	Pgs	Pages	Time	Message
17.10.2007	16:45:38	Information	Printer	Completed	Printed correctly				Delete formatted spool file 00000000129138
17.10.2007	16:45:44	Information	Printer	Being printed	Possibly printed				Print formatted spool file 00000000129138
17.10.2007	16:45:44	Information	Formatter	Preprocessing	Not printed				Add formatted spool file 00000000129138
17.10.2007	16:45:43	Information	Formatter	Preprocessing	Not printed				Formatting 00000000129138
17.10.2007	16:45:43	Information	Formatter	Preprocessing	Not printed				Add data spool file 00000000129138
17.10.2007	16:45:43	Information	SAP Spool		Not printed				Processing completed by spool work process
17.10.2007	16:45:43	Information	SAP Spool		Not printed				STATISTICS: 0 sec, 1 pages, List, (C1=0 C0=0 C=0 J)=0 T=0
17.10.2007	16:45:43	Information	Data transfer	Waiting in host spool	Not printed				Request passed to host spool system
17.10.2007	16:45:43	Information	Spool	Waiting in host spool	Not printed				Success

Date	Time	Class	Area	Job Status	Printout	Pgs	Pages	Time	Message
17.10.2007	18:46:08	Problem	Printer	Waiting in host spool	Not printed				Error printing spool file 00000000129148
17.10.2007	18:46:27	Information	Printer	Being printed	Possibly printed				Print formatted spool file 00000000129148
17.10.2007	18:46:26	Information	Formatter	Preprocessing	Not printed				Add formatted spool file 00000000129148
17.10.2007	18:46:26	Information	Formatter	Preprocessing	Not printed				Formatting 00000000129148
17.10.2007	18:46:26	Information	Formatter	Preprocessing	Not printed				Add data spool file 00000000129148
17.10.2007	18:46:26	Information	SAP Spool		Not printed				Processing completed by spool work process
17.10.2007	18:46:26	Information	SAP Spool		Not printed				STATISTICS: 0 sec, 1 pages, List, (C1=0 C0=0 C=0 J)=0 T=0
17.10.2007	18:46:26	Information	Data transfer	Waiting in host spool	Not printed				Request passed to host spool system
17.10.2007	18:46:26	Information	Spool	Waiting in host spool	Not printed				Success

## **MAPPING Suite handles spool files coming from SAP**

- Supports any document format (XSF, RDI, GOF, XML, TXT).
- In any code page (MAPPING Suite is fully [UNICODE](#) compatible).

## **MAPPING OUTPUT MANAGER to manage your printing**

- Manage thousands of spool files and printers seamlessly
- Process and direct documents using the multiple features included in the MAPPING rules engine
- Remap, reporting, sort, split, etc.
- Print, archive, fax, e-mail, etc.