

**MAJA\_OBJECTS**

# Maja Objects ITalkIDOC Techpaper

**ABSTRACT**

Fast and easy SAP coupling are possible with ITalkIDOC. Integration even in non-homogeneous systems is possible through distributed and diversified link possibilities of ITalkIDOC.

**AUTHOR**

Dipl.Ing. Roger René Kommer (kommer@micromata-objects.de)

**VERSION**

1.0

**DATE**

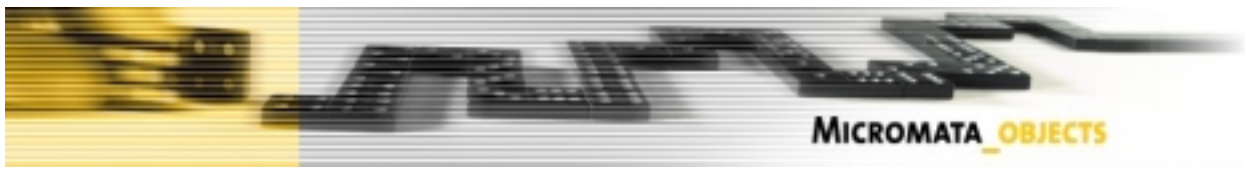
Kassel, den 2000-08-07

**PAGES**

4

**KONTACT**

Micromata\_Objects GmbH  
Ochshäuser Strasse 45  
D-34123 Kassel  
Tel.: 0561-57063-0  
Fax.: 0561-57063-19  
<http://www.micromata-objects.de>  
<mailto:kommer@micromata-objects.de>



## ITalkIDOC

### Introduction

ITalkIDOC is a middleware for fast and easy SAP R/3 connections. Important aspects of SAP R/3 connections are programmed with comfort. A categorical library is used on the basis of ITalkIDOC, which is an application server file of Micromata\_objects. Maja Object consists of an over-lapping platformed C++ library similar to Java class framework, which offers a consistent and developmental environment. Another advantage for using Maja Objects is that important services like remote maintainability or encapsulated scripting possibilities of a server environment are delivered.

### SAP R/3

The SAP R/3 coupling set up a standard R/3 system interface and functions independent of SAP modules.

ITalkIDOC supports SAP versions 3.1 to 4.7.

IDOCs are sent by the RFC interface from and to the R/3 system containing transactional data like master data.

ITalkIDOC stores applications to a server, transmitted data persistency, transaction security or a restart after a R/3 system offline service autonomously..

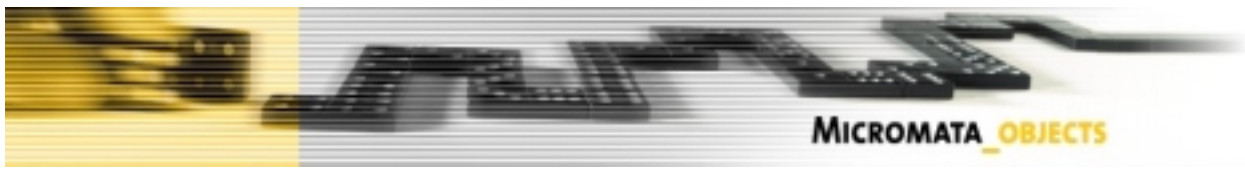
### Framework

ITalkIDOC is available in the following platforms that illustrate the general logic of Maja Objects:

- Windows NT 4,
- Windows 2000,
- Linux (Suse 6.4),
- Solaris 7-8.

Supported Databases:

- DBC databases,
- MySQL,
- Oracle,
- databases with scripting.



Log structures, Tracing, Online Debug and remote management are available by using Kernel of a Maja Objects application server. ITalkIDOC has all prerequisites needed for the instalment into high accessible environments.

## Integrating foreign systems

Foreign systems can be integrated in several different ways.

### ITalkIDOC Standalone

If ITalkIDOC gets installed alone, it can connects with other processes through:

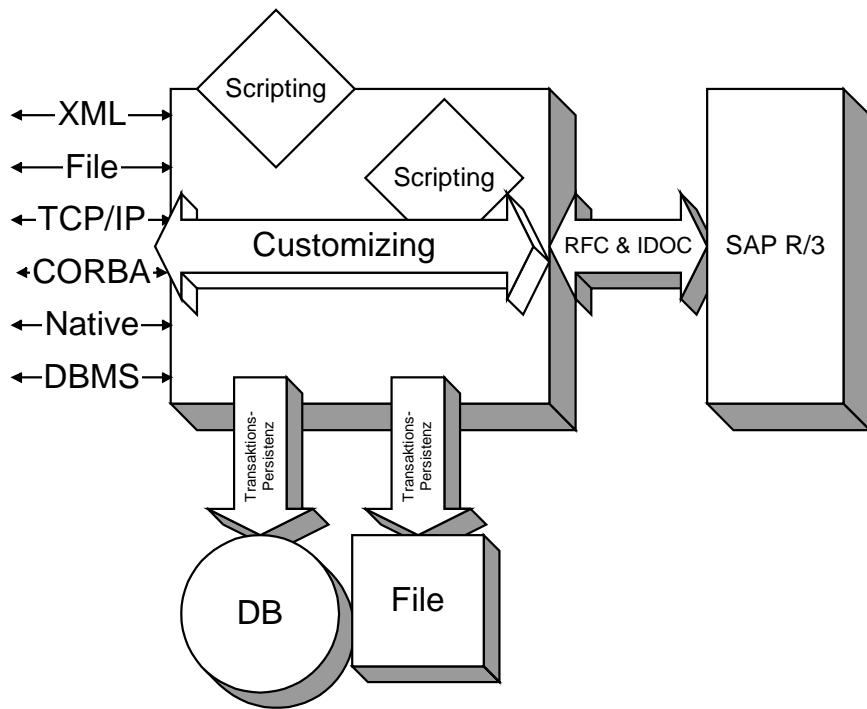
- a telegram orientated TCP/IP-connection,
- for data switch on a file system (telegram orientated, XML, EDI, etc.),
- a CORBA connection,
- a DCOM connection,
- a SOAP connection coded with SSL,
- a RMI connection in connection with Java 2
- a database system.

### ITalkIDOC Component Library

ITalkIDOC can be used as a component library with other code languages.

- as native components in Maja Objects Application,
- as a Java 2 library,
- as a PERL Module,
- as a Tcl Module,
- as a PHP Module (for web servers),
- as a Visual Basic component.

The developer can use the language and work environment while establishing a SAP connection through Maja Objects Framework. Maja Objects can be used by script languages to implement fast SAP connections in E-Commerce applications in PHP or Perl to synchronize shopping cards with SAP bookings.



## Customizing

ITalkIDOC is constructed for server components. Data flow reactors or filters are plugged into data currents when establishing a data canal from or to a R/3 system. The reactors are formulated in Maja Objects or script languages to separate general components and script adjustments.

