

# webMethods SAP Adapter 7.1 Readme

**August 2009**

This file contains important information you must read before using webMethods SAP Adapter 7.1. You can find additional information about webMethods SAP Adapter 7.1 on the [Software AG Documentation Web site](#). In addition, the following suite-related information is also available at that location:

Product Documentation (includes installation and upgrade information)  
System Requirements Documentation

You can find the following information in the Products section of the [Empower Web site](#):

Security Information  
Globalization Information

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# 1.0 Critical Information

This section lists the critical issues that were known when this readme was published. For critical information found later, go to the Knowledge Center portion of the [Empower Product Support Web site](#).

None.

## 2.0 Known Issues

This section lists issues that were known when this readme was published. For known issues found later, go to the Knowledge Center portion of the [Empower Product Support Web site](#).

- webMethods SAP Adapter 7.1 cannot properly confirm tRFCs on SAP Unicode systems. This issue is caused by an incompatibility between the SAP JCo 3.0.2 library and the SAP kernel, and it may be resolved in a future JCo release.  
Workaround: Ensure that all RFC Destinations on SAP Unicode systems that are used to send requests to the SAP Adapter are set to Unicode.
- 1-2058AL  
Beginning with SAP Adapter 7.1, RFC Notifications for INBOUND\_IDOC\_PROCESS or IDOC\_INBOUND\_ASYNCHRONOUS for dedicated IDoc handling do not have precedence over ALE and IDoc Routing Notifications.  
There is currently no workaround for this issue.
- WSP-410 (was 1-2002F3)  
SAP Adapter 7.1 cannot be successfully reloaded after RFC connections or RFC listeners have been enabled. Reloading the adapter is not recommended because connections will not work afterwards.  
Workaround: Restart the Integration Server. This will reload the WmSAP package, and cause the connections to be enabled.

## 3.0 Usage Notes

This section highlights product limitations and changes to product behavior introduced in this release.

- With SAP Adapter 7.1, the adapter no longer supports the RFC connection attribute 'ABAP Debug'. When connecting to SAP Systems of release 6.20 or higher, the new SAP ABAP Debugger can be used directly. SAP Adapter 7.1 currently does not support ABAP debugging on older SAP Systems up to release 4.6D.
- SAP Adapter 7.1 now automatically tests connections to determine their Unicode capability. Therefore, the **Unicode Listener** field has been removed from the RFC Listener's Configure Listener Type screen.
- Separate SAP Adapter log files are no longer supported. SAP Adapter log messages are now included in the Integration Server server.log file.
- Previously you had to manually specify the environment variables RFC\_TRACE\_DIR and RFC\_TRACE to indicate where the adapter was to store RFC trace files. With SAP Adapter 7.1, the adapter now

automatically stores all RFC trace files in the *IntegrationServer\_directory\packages\WmSAP\logs* directory. The environment variables RFC\_TRACE\_DIR and RFC\_TRACE are no longer required.

- SAP Adapter 7.1 no longer creates an independent log output, but instead registers itself as an Integration Server logger. The log level for each SAP Adapter log facility can be set in the Integration Server Administrator by selecting **Settings > Logging**. See the *webMethods SAP Adapter Installation and User's Guide 7.1* for information about logging and exceptions.
- A new (undocumented) feature in the SAP JCo 3.0.2 library requires the RFC service names (for example, sapgw00) be explicitly mapped to specific ports in the /etc/services system file. On Windows, this means that the C:\Windows\System32\drivers\etc\services file needs an additional section for the RFC services. For example:

```
sapdp00 3200/tcp  
sapdp01 3201/tcp  
sapdp02 3202/tcp  
sapdp03 3203/tcp  
sapdp04 3204/tcp  
sapdp05 3205/tcp  
sapdp06 3206/tcp  
sapdp07 3207/tcp
```

For more details, read the description in the SAP Notes 0000052959 and 0000896973.

## 4.0 Fixes and Enhancements

This section describes the fixes and enhancements included in webMethods SAP Adapter 7.1.

### 4.1 Fixes and Service Packs Included in This Release

This section lists the fixes and service packs for previous releases that have been included into the current release. If only some issues in a fix or service pack have been included, that partially included fix or service pack is not listed here, and those issues are listed separately in [Section 4.2 Resolved Issues](#). See the Knowledge Center section of the [Empower Product Support Web site](#) for more information about fixes and service packs.

- SAP Adapter 6.5 SP1
- SAP Adapter 6.5 SP1 Fix 1
- SAP Adapter 6.5 SP1 Fix 2
- SAP Adapter 6.5 SP1 Fix 3
- SAP Adapter 6.5 SP1 Fix 4
- SAP Adapter 6.5 SP1 Fix 5

- SAP Adapter 6.5 SP1 Fix 6
- SAP Adapter 6.5 SP1 Fix 7
- SAP Adapter 6.5 SP1 Fix 8
- SAP Adapter 6.5 SP1 Fix 9
- SAP Adapter 6.5 SP1 Fix 10
- SAP Adapter 6.5 SP1 Fix 11
- SAP Adapter 6.5 SP1 Fix 12
- SAP Adapter 6.5 SP1 Fix 13
- SAP Adapter 6.5 SP1 Fix 14
- SAP Adapter 6.5 SP1 Fix 15
- SAP Adapter 6.5 SP1 Fix 16

## **4.2 Resolved Issues**

This section lists issues that were resolved in this release and that are not included in the fixes and service packs listed in [Section 4.1 Fixes and Service Packs Included in This Release](#). These issues might have been resolved in a fix or service pack that was not included in its entirety into this release, or they might have been resolved since the last fix or service pack was released.

None.

## **4.3 Enhancements**

- Need for \$connectionName in custom RFC Adapter services.  
RFC Adapter services should support the optional ART \$connectionName input parameter to switch the RFC connection used for an RFC Adapter service call during run time.  
The optional parameter \$connectionName is now supported for RFC Adapter Services in webMethods SAP Adapter 7.1.
- Need for Transaction filtering in SAP Adapter Transactions screen.  
SAP Adapter should provide filter criteria for sender, receiver, message type, or date to allow filtering of the displayed transactions in the SAP Adapter Transactions screen.  
SAP Adapter 7.1 provides input fields in the Transactions screen to enter filter criteria for sender, receiver, message type, tid, state, begin date, and end date. When the filter is applied, the adapter displays only transactions that match the specified filter criteria.

- Need the adapter to work with SAP JCo v3 and provide Java 5 support.  
webMethods SAP Adapter 6.5 was built on top of SAP JCo v2 middleware. Having the adapter work with JCo v3 would provide increased performance and Java 5 support.  
webMethods SAP Adapter 7.1 has been redesigned to use the latest SAP JCo v3 middleware and supports Java 5.
- Provide support of Integration Server 7.1.x logging.  
webMethods SAP Adapter 6.5 uses its own internal log consumer which is not compatible with the Integration Server 7.1.x log consumers and the Integration Server logging facility UI. Therefore webMethods SAP Adapter 6.5 logging output cannot be redirected or filtered on the consumer side.  
webMethods SAP Adapter 7.1 connects directly to the Integration Server 7.1.x Logger, and does not use an internal log consumer.
- Provide client connection statistics.  
The usage statistics of RFC client connections cannot be displayed with webMethods SAP Adapter 6.5. This can make it difficult to detect connection related performance issues.  
webMethods SAP Adapter 7.1 displays the current, active, and peak number of open connections for each RFC connection since start-up.

## 4.4 Documentation Changes

This section describes significant changes to the documentation, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content.

*webMethods SAP Adapter Installation Guide* and *webMethods SAP Adapter User's Guide* have been combined into a single guide named *webMethods SAP Adapter Installation and User's Guide*.

## 4.5 Terminology Changes

This section lists terminology that has changed since the last full release of the product.

None.

## 4.6 Deprecated or Removed Items

This section lists product functionality that has been deprecated since the last full release of the product. Deprecated Built-In services and APIs are listed in the relevant sections that follow this one.

Deprecated Item	Description
pub.sap.idoc:transformFlatToHierarchy	New service: pub.sap.idoc:IDocToDocument
pub.sap.idoc:transformHierarchyToFlat	New service: pub.sap.idoc:documentToIDoc

Deprecated Item	Description
pub.sap.idoc.routing:registerService	Use the SAP Adapter Administration UI instead.
pub.sap.idoc.routing:unregisterService	Use the SAP Adapter Administration UI instead.
pub.sap.idoc.idocToString	New service: pub.sap.idoc:encodeString
pub.sap.idoc:iDocToRecord	New service: pub.sap.idoc:iDocToDocument
pub.sap.idoc:recordToIDoc	New service: pub.sap.idoc:documentToIDoc
pub.sap.idoc.routing:inbound	New service: pub.sap.transport.ALE:aleRoutingInfo
pub.sap.idoc.routing:inboundDefault	New service: pub.sap.transport.ALE:aleRoutingInfo_Default
pub.sap.idoc.routing:outbound	New service: pub.sap.transport.ALE:aleMappingInfo
pub.sap.idoc.routing:outboundDefault	New service: pub.sap.transport.ALE:aleMappingInfo_Default
wm.PartnerMgr.gateway.transport.B2B:InboundProcess	New service: pub.sap.idoc:IDocToDocument

## ***4.7 Added, Removed, Deprecated, or Changed Built-In Services***

This section lists Built-In services that have been added, removed, deprecated, or changed since the last full release of the product.

Changed Service	Description
pub.sap.transaction:List	Optional input parameter '\$tid' has been added as filter criteria. The service now supports regular expressions for all filter criteria.

## ***4.8 Added, Removed, Deprecated, or Changed APIs***

This section lists APIs that have been added, removed, deprecated, or changed since the last full release of the product.

Added API	Description
com.wm.adapter.sap.idoc.IDocDocumentList.addNew()	Adds another IDoc document of the same type to the IDocDocumentList.

## Removed API

## Replacement API (if applicable)

<code>com.wm.adapter.sap.idoc.IDocDocumentList.addDocument(..)</code>	The <code>addDocument(..)</code> methods have been removed.
---	---

## Changed API

## Description

<code>com.wm.adapter.sap.idoc.IDataRecord.setField(..)</code>	All <code>setField(..)</code> methods have been renamed to <code>setValue(..)</code> .
<code>com.wm.adapter.sap.idoc.IDataRecord</code>	Return values and arguments have different type due to changes in the SAP IDoc Lib package.
<code>com.wm.adapter.sap.idoc.IDataSegment</code>	Return values and arguments have different type due to changes in the SAP IDoc Lib package.
<code>com.wm.adapter.sap.idoc.IDataDocument</code>	Return values and arguments have different type due to changes in the SAP IDoc Lib package.
<code>com.wm.adapter.sap.idoc.IDataDocumentList</code>	Return values and arguments have different type due to changes in the SAP IDoc Lib package.
<code>com.wm.adapter.sap.idoc.IDataDocumentList</code>	<code>IDataDocumentList</code> may contain only IDocs of the same type. The <code>addDocument(..)</code> methods will throw an <code>IDocException</code> if an IDoc of different type is added to a non-empty <code>IDataDocumentList</code> .
<code>com.wm.adapter.sap.idoc.IDocDocumentList</code>	Return values and arguments have different type due to changes in the SAP IDoc Lib package.

For more details, see *Integration Server\_directory\IntegrationServer\WmSAP\pub\doc\api\index.html*.

## 5.0 Copyright Information

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## 6.0 Support

To obtain support for webMethods Product Suite components, refer to the following resources:

### [Empower Product Support Web site](#)

Visit the Empower Web site to learn about support policies and critical alerts, read technical articles and papers, download products, fixes, and service packs, submit feature/enhancement requests, and more.

### [Software AG Developer Community for webMethods](#)

Visit the Software AG Developer Community to access additional articles, demos, and tutorials, technical information, samples, useful resources, online discussion forums, and more.

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