

MQSeries Integrator - WKSPACE parser

Version 1.0

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Neil Kolban
IBM Advanced Technical Support
Dallas, TX

Kolban@us.ibm.com

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Before using this report be sure to read the general information under "Notices".

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This edition applies to Version 1.0 of *MQSeries Integrator - WKSPACE parser* and to all subsequent releases and modifications unless otherwise indicated in new editions.

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Summary of Amendments

| Date | Changes |
|-----------------------------|-----------------|
| 20 th April 2001 | Initial release |

Preface

When designing MQSeries Integrator V2 message flows, there are times when the results computed or retrieved in one message flow node may wish to be used in a subsequent message flow node. Making data available from one node to another requires caching that data somewhere in a message tree. Unfortunately, this data must also be manually removed before output otherwise the temporary data will be included in that output.

This SupportPac provides a trivial MQSI V2 parser called WKSPACE, which allows temporary data to be safely moved from one node to another without it accidentally being included in any potential output.

Bibliography

- *IBM MQSeries Integrator for Windows NT Version 2 Installation Guide*, IBM Corporation. SC34-5600.
- *IBM MQSeries Integrator for Sun Solaris Version 2 Installation Guide*, IBM Corporation. SC34-5842
- *IBM MQSeries Integrator for AIX Version 2 Installation Guide*, IBM Corporation. SC34-5841
- *IBM MQSeries Integrator Version 2 Using the Control Center*, IBM Corporation. SC34-5602
- *IBM MQSeries Integrator Version 2 Programming Guide*, IBM Corporation. SC34-5603

Chapter 1. Overview

This SupportPac provides an implementation of a trivial MQSI V2 parser, which allows temporary data to be included in the message tree without the danger of it ever being included in the output.

Once installed, message flow designers can cache data in the message tree associated with this parser. When the message tree reaches an MQOutput node or other node, which would cause the message tree to be serialized, the data associated with this parser is **not** included in that output.

Chapter 2. Installing the plug-in parser

SupportPac contents

The supplied zip file should be unzipped into a temporary directory. The following files and sub-directories will be created:

/Source

NodeUtils.c
NodeUtils.h
ParserUtils.c
ParserUtils.h
StdAfx.h
StdAfx.c
workspace.c

/NT

workspace.lil

/AIX

WKSPACE.lil
MQSIV2_WKSPACE.cat

license2.txt

ia0e.pdf

Prerequisites

This SupportPac provides a plug-in parser to be used with the IBM MQSeries Integrator Version 2.0.1 or later. For normal use, there are no other prerequisite products other than those required by IBM MQSeries Integrator Version 2.0.1 itself. If any changes are to be made to the plug-in parser, an appropriate C compiler is required.

Supported Platforms

This SupportPac has been developed and tested in Microsoft Windows NT and AIX environments.

Installing the plug-in parser on the broker system

The plug-in 'lil' file will be installed by copying or moving it to the following directories:

- <mqs_i_root>\bin (Windows)
- <mqs_i_root>/lil (AIX)

In addition, for AIX, the MQSIV2_WKSPACE.cat file must be copied to the <mqs_i_root>/messages directory.

Chapter 3. Using the plug-in parser

Description

When considering most MQSI V2 parsers, it is usually understood that the purpose of the parser is to decompose an incoming binary message into its constituent fields and structure. This is true of MRM, XML and NEON parsing. In addition, most parsers have the ability to reconstitute a binary output format from a message tree representation. This parser, WKSPACE, does not parse any incoming data formats. It also does not produce any output message data. It is, in fact, the most trivial of MQSI V2 parsers – a do-nothing parser.

Its usefulness lies in the fact that it can harmlessly serve as the root of a message tree without producing any output. This means that it can be used to hold temporary data to be passed from one node to another without having to concern oneself about removing that data before output.

For example, using the following ESQL statement:

```
SET OutputRoot.WKSPACE.Name = 'My Value';
```

Would allow the next node in the message flow to access that value using, for example:

```
SET OutputRoot.XML.A.B.Name = InputRoot.WKSPACE.Name;
```

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