IBM DB2 Information Integrator

# Release Notes for Classic Event Publisher

*Version 8.2*

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Before using this information and the product it supports, be sure to read the general information under “Notices” on page 7.

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# Contents

**About the release notes . . . . . v**
DB2 Information Integrator support on the web . . v

**Troubleshooting . . . . . 1**

**Known limitations, problems, and workarounds . . . . . 3**
Data Mapper character support . . . . . 3
Metadata utility . . . . . 3
Local memory queues . . . . . 3
MAX TRANSPORT MESSAGE SIZE configuration parameter . . . . . 3

**Product fixes and enhancements . . . . 5**
Correlation service . . . . . 5
CICS/VSAM . . . . . 5
CA-IDMS . . . . . 5
Data Mapper . . . . . 5
Metadata utility . . . . . 5

**Notices . . . . . 7**
Trademarks . . . . . 9

**Contacting IBM . . . . . 11**
Product information . . . . . 11
Comments on the documentation . . . . . 11

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# About the release notes

The release notes contain the latest information about IBM® DB2® Information Integrator Classic Event Publisher, Version 8.2.

The release notes are in three parts:

- The first part details the diagnostic information that you can give to support if you encounter a problem with Classic Event Publisher.
- The second part contains the details of the problems, limitations, and workarounds that were known at the time of publication and apply to the latest version of the product. Read these notes to become familiar with any known outstanding issues with this release of DB2 Information Integrator Classic Event Publisher.
- The third part describes the product fixes and enhancements included in the Version 8.2 PTFs.

## DB2 Information Integrator support on the web

For more information about DB2 Information Integrator and the latest support issues, see the DB2 Information Integrator support Web page at www.ibm.com/software/data/integration/db2ii/support.html.

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# Troubleshooting

When you encounter a problem and contact support, be prepared to provide some or all of the following diagnostic information:

**All applicable configuration files captured within the server log**

For example:

- The data server
- The correlation server
- The user override

You can use the MTO DISPLAY commands to capture the server log. See Appendix C in the *DB2 Information Integrator Administration Guide and Reference for Classic Federation and Event Publishing* for the MTO commands to use.

You can also send the configuration files in the SCACCONF data set that is referenced in the data server JCL.

**Other information that you might need to provide**

- The entire data server output
- All applicable DBDs, copybooks, queries, and USE grammar
- A trace file.

  Tracing can be done only at the correlation server.

  For additional diagnostics, you might need to provide the IMS™ transaction logs and CICS® logs.

  For information about tracing, see the section about server logging in the *DB2 Information Integrator Administration Guide and Reference for Classic Federation and Event Publishing*.
- A system dump.

  In the event of an abend, the full system dump is not automatically generated. If the abend is reproducible, you can add the appropriate SYSMDUMP DD to generate the dump. If a SYSMDUMP is requested, the dump is routed to the data set that is defined in the SYSMDUMP DD.
- Formatted messages from queues. The `ep_extras.zip` file contains a program and queue definitions that will read the message queues.

**Abend problems on z/OS®**

Include the PSW and REGS at the time of the error and the SAS/C function call trace stack. You can find the PSW and REGS in the data server output, under JESMSGLG and JESYSMSG. You can find the SAS/C function call trace stack in the data server output in SYSTERM or in the system generated DDs, for example: SYSnnnnn.

If the problem is an abend, traceback information from the call stack is sent to Standard Output at the time of error. Traceback information is sent to the job log, if you are running in batch mode.

**Meta utility problems**

Provide the SYSOUTs from the problem run.

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# Known limitations, problems, and workarounds

The following information describes the currently known limitations, problems, and workarounds for DB2 Information Integrator Classic Event Publisher.

## Data Mapper character support

Values specified in Data Mapper input fields must be in SBCS characters. The valid characters that you can enter in the Data Mapper tool are A-Z, 0–9, _, #, $, and @. The Data Mapper does not restrict the use of invalid characters.

## Metadata utility

Ensure that you are using the correct USEGRAMMAR with the metadata utility. The metadata utility does not validate the LENGTH and DATATYPE of USEGRAMMAR. For a remote IMS data source, the metadata utility does not validate BYTES of DBD and LENGTH of USEGRAMMAR.

## Local memory queues

Using local memory queues for communication between the correlation server and the distribution service leads to a memory leak in the LCL module, resulting in a Server SOC4. Memory allocation in the server uses a global pool of memory of the size set by the MESSAGE POOL SIZE parameter in the server configuration. Memory for local queues is allocated from this pool in chunks called *subpools*. The subpool memory is not returned to the main pool after usage and even after the memory is freed.

The logger also uses the LCL module to communicate with the different services that log information. The memory leak also occurs when the trace levels for the correlation server, the distribution service, or both are set to a value less than 4 and very large transactions are run.

Use Cross Memory (XM) or TCP/IP for communication between the correlation server and the distribution service. Both XM and TCP/IP cause no known problems with memory allocation and manage this allocation.

Because the logger uses the LCL module for communication, set the trace levels for configured services to 4 when you run large transactions that produce large messages.

## MAX TRANSPORT MESSAGE SIZE configuration parameter

The MTO commands to display the value of the configuration parameters do not display the value of the MAX TRANSPORT MESSAGE SIZE configuration parameter.

You cannot update the value of this parameter while Classic Event Publisher is running. To change the value, make the change in the server configuration file and then recycle Classic Event Publisher.

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# Product fixes and enhancements

The following sections describe the product fixes and enhancements included in the Version 8.2 PTFs.

## Correlation service

- Improvements made to correlation service operations will prevent abends after long periods of operation. Two new messages are provided.
  - WTO message CACG153E:

    CACG153E MEMORY CORRUPTION DETECT AT x(*Address*) AT LINE *Line-Number* IN *Source-File-Name*
  - System message 0X00430044 (4390980):

    IMS internal control block memory corruption detected
    Control block is: *Control-Block-Identifier* at x'*Address*'
    Reported from: *Source-File-Name* at line *Line-Number*
- The correlation service now handles the sequence of IMS log records sent by IMS active change-capture agents and prevents out of sequence conditions.

## CICS/VSAM

- The record selection exit called by the correlation service is supported for VSAM processing.
- After CICS is shut down and restarted, you can successfully query CICS/VSAM tables.

## CA-IDMS

The metadata utility job failed with a syntax error on a reserved word specified for the area name in the CA-IDMS subschema.

## Data Mapper

The Japanese version of the Data Mapper is enabled

## Metadata utility

When processing logical DBDs that reference multiple physical DBDs and multiple IMS logical table mappings, metadata utility errors occured.

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To learn about available service options, call one of the following numbers:

- In the United States: 1-888-426-4343
- In Canada: 1-800-465-9600

To locate an IBM office in your country or region, see the IBM Directory of Worldwide Contacts on the Web at www.ibm.com/planetwide.

## Product information

Information about DB2 Information Integrator is available by telephone or on the Web.

If you live in the United States, you can call one of the following numbers:

- To order products or to obtain general information: 1-800-IBM-CALL (1-800-426-2255)
- To order publications: 1-800-879-2755

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