

DB2<sup>®</sup> Universal Database for OS/390 and z/OS  
XML Extender



# Release Notes

*Version 8*



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XML Extender



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## About the Release Notes for DB2<sup>®</sup> Universal Database for OS/390 and z/OS, XML Extender Version 8

This document contains information about the DB2 Universal Database for OS/390 and z/OS, XML Extender Version 8, supplementing information in *DB2 Universal Database for OS/390 and z/OS<sup>®</sup> XML Extender Administration and Programming, Version 8*. The information in these Release Notes includes all topics except installation.





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## Chapter 1. What is in this document?

This PTF fixes several problems that were reported by customers using DB2 XML Extender for UNIX or Windows. This PTF updates the current version of DB2 XML Extender for z/OS to include the fixes listed in DB2 XML Extender, Version 8 FixPak 6 for UNIX and Windows. The documentation updates that are described in this document are based on PTF UQ91403.

For more information about the DB2 UDB XML Extender, Version 8 FixPak 6, see the Release Notes at the following location:

<http://www.ibm.com/software/data/db2/extenders/xmlext/library.html>

This document provides updates to information about topics in the *DB2 Universal Database for OS/390 and z/OS(R) XML Extender Administration and Programming, Version 8*, and the online error messages.

You can find *DB2 Universal Database for OS/390 and z/OS(R) XML Extender Administration and Programming, Version 8* on the DB2 XML Extender Web site:

[www.ibm.com/software/data/db2/extenders/](http://www.ibm.com/software/data/db2/extenders/)



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## Chapter 2. Fixes and updates

The following topics describe fixes provided in this PTF, as well as new and updated information for *DB2 Universal Database for OS/390 and z/OS(R) XML Extender Administration and Programming, Version 8*.

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### Migrating to the PTF from prior releases

If you have been using DB2 XML Extender Version 7 or an earlier Version 8 release, you must migrate each DB2 subsystem enabled for DB2 XML Extender before using them with this PTF.

**To migrate the subsystem:** Customize and run the following two jobs in the SDXXJCL data set. Instructions for customizing the jobs are in the JCL prologue for each job.

#### **DXXRBIND**

This job rebinds all the DB2 packages and plans.

#### **DXXMIGRA**

This job drops, creates, and alters functions and stored procedures.

Failing to do the migration step can cause the **DXXADM disable\_server** option and the `dxxGenXMLCLOB` and `dxxRetrieveXMLCLOB` stored procedures to fail

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### Miscellaneous Fixes

- APAR IY28919 - Allow for greater than 10 condition statements per table or column in the DAD for the top RDB\_node specification.
- Change in XML\_USAGE primary key. The table\_schema column has been added to the XML\_USAGE table primary key.
- Fixed RDB composition crash when a <multi\_occurrence> tag is required for the top <RDB\_node> tag, but the tag is missing.
- APAR IY27402 Fixed memory leak occurring in the Extract UDFs called by triggers, when an XML document is inserted into an XML-enabled column.
- APAR IY27501 Fixed memory leak occurring when the dxxGenXML stored procedure is used to compose an XML document, using SQL mapping.
- APAR IY28323 - Removed I/O bottleneck that occurred when XML Extender created small XML documents during composition
- APAR IY27403 - XML Extender entity replacement truncation
- APAR JR19089: Side tables are not updated accordingly when a NULL XML-enabled column is updated.
- APAR IY50650: SQL composition performance degradation caused by false conversion error detection.
- APAR IY50111: Fixes failure that occurs when performing multiple inserts to an XML enabled table, returning error SQL0443 with an SQLSTATE of 38X13.
- APAR JR18997: A problem using JDBC GENERATE.JAVA to call the DXXGENXML() stored procedure has been fixed, and the SQL0423N,DXXM011W and DXXG001E errors are no longer returned.
- APAR IY43383: An SQL error message is now displayed when DXXDISABLEDB fails.

- APAR IY43387: DXXGENXML no longer ends abnormally when it receives an SQL warning.
- APAR IY43953: The 'DB2XML.EXTRACTDATE' UDF is no longer abnormally terminated with the SQLCODE -430.

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## Improved diagnostics

The following updates help diagnose problems:

- Message updates as described in Chapter 3, "Message updates," on page 5.
- Messages for French and German have been regenerated and are no longer corrupted.

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## Chapter 3. Message updates

The following messages have been updated or added to the XML Extender.

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**DXXQ046W** (message number changed from 'DXXQ004W') The DTD ID was not found in the DAD.

**Explanation:** In the DAD, VALIDATION is set to YES, but the DTDID element is not specified. No validation check is performed.

**User Response:** No action is required. If validation is needed, specify the DTDID element in the DAD file.

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**DXXQ047E** Parser error on line linenumber column colnumber: msg

**Explanation:** The parser could not parse the document because of the reported error.

**User Response:** Correct the error in the document, consulting the XML specifications if necessary.

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**DXXQ052E** An error occurred while accessing the DB2XML.XML\_USAGE table.

**Explanation:** Either the database has not been enabled or the table DB2XML.XML\_USAGE has been forcefully dropped.

**User Response:** Ensure that the database has been enabled and the table DB2XML.XML\_USAGE is accessible.

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**DXXQ053E** An SQL statement failed : msg

**Explanation:** An SQL statement generated during XML Extender processing failed to execute.

**User Response:** Examine the trace for more details. If you cannot correct the error condition, contact your Software Service Provider. When reporting the error, be sure to include all the messages, the trace file and how to reproduce the error.

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**DXXQ054E** Invalid input parameter: param

**Explanation:** The specified input parameter to a stored procedure or UDF is invalid.

**User Response:** Check the signature of the relevant stored procedure or UDF, and ensure the actual input parameter is correct.



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