



# JOTNE EPM TECHNOLOGY

## *EXPRESS Data Manager™* Version 5.0.301 Release Notes

### **EXPRESS** *Data Manager*



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## 1 Introduction

This release contains *EXPRESS Data Manager*<sup>™</sup> version 5.0.301 for Windows, which is a continuation of version 5.0.101, dated 2008-06-24.

This version of *EXPRESS Data Manager*<sup>™</sup> uses the same *EDMdatabase*<sup>™</sup> version as *EXPRESS Data Manager*<sup>™</sup> version 5.0.101. Upgrading from *EXPRESS Data Manager*<sup>™</sup> version 5.0.101 or later requires no steps for upgrading the *EDMdatabase*<sup>™</sup>.

If you are upgrading from version version 5.0.100 or older, see section *Backward Compatibility*.

Version 5.0.301 of *EXPRESS Data Manager*<sup>™</sup> introduces

*EDMwebServices*<sup>™</sup>

Improved *EDMdatabase*<sup>™</sup> upgrading functionality through new enhanced Database Dump and Restore.

Scheduled Backup of *EDMdatabase*<sup>™</sup> through new *EDMserver*<sup>™</sup> command line arguments.

These versions support 128 simultaneous active models, where each model may have a maximum volume of 4.2 gigabytes and contain 33,6 million instances (Ref. section 4).

*EXPRESS Data Manager*<sup>™</sup> version 5.0.301.1 was the initial release of version 5.0.301. Bug fixed updates of this version have update numbers appended to the version number, e.g. 5.0.301.2, 5.0.301.3, ... You find a list of the corrected bugs for each update in section [Corrected Bugs](#).

## 2 New Functionality

This section describes the new functionality introduced with *EXPRESS Data Manager*<sup>™</sup> version 5.0.301.

### 2.1 EDMwebServices<sup>™</sup>

Users may now access an *EDMdatabase*<sup>™</sup> using *EDMwebServices*<sup>™</sup>. I.e., no *EXPRESS Data Manager*<sup>™</sup> components required on the client side.

New API functions:

```
edmiRemoteListWebServices ()
edmiRemoteGetWSDL ()
edmiRemoteGetWSDLEx ()
edmiRemoteExecuteWebService ()
edmiRemoteExecuteWebServiceEx ()
```

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## **2.2 New EDMserver™ command line arguments**

The *EDMserver™* may now be started with command line arguments that set up scheduled *EDMdatabase™* back up.

## **2.3 New License installer argument for selecting MAC address**

*EXPRESS Data Manager™* uses the MAC address to identify a computer when checking the license key. In some situations, the computer may mix up its hardware MAC address with virtual ones temporarily defined and used by processes running on the computer. This new option makes it possible to force *EXPRESS Data Manager™* to check the license key against a specific MAC address on the computer.

## **2.4 Enhanced EDMdatabase™ Dump/Restore**

With previous versions of *EXPRESS Data Manager™*, it has not been possible to dump configuration data to files. I.e., data like users, groups, containers, access rights and ownership would not be contained in the dumped data files. New enhanced Dump/Restore functionality preserves this information.

New API functions:

```
edmiRemoteDumpDatabase ()  
edmiRemoteRestoreDatabase ()
```

## **2.5 EDMdevelopmentServer™**

Licenses for *EDMdeveloper™* and *EDMdesktop™* products now allow for setting up an *EDMserver™* process on the local host. Application developers and *EDMmethod™* developers may now use the *EDMsupervisor™* fat and thin clients to explore the *EDMdatabase™* online without having to disconnect first.

# **3 Backward Compatibility**

## **3.1 EDMdatabase™**

*EXPRESS Data Manager™* version 5.0.301 uses *EDMdatabase™* version 5100. If you are upgrading from *EXPRESS Data Manager™* version 5.0.101, you need not take any steps to upgrade your *EDMdatabase™*.

*EXPRESS Data Manager™* version 5.0.100 used *EDMdatabase™* version 5000. If you are upgrading from *EXPRESS Data Manager™* version 5.0.100 or older, both populations and schemata in your existing *EDMdatabase™* must be dumped to files and restored back into a new *EDMdatabase™* created by *EXPRESS Data Manager™* version 5.0.301. Refer separate *Installation guide [2]*.

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### 3.2 API

The following *EDMinterface*<sup>™</sup>/XPX API signatures have been changed.

```
xpfMapFile (fileName      : STRING;
            mode          : INTEGER),
            mappedFileName : STRING;

xpfCreateEdmFile (mimeType : STRING),
                 newEdmFileId : GENERIC;
```

## 4 *EDMdatabase*<sup>™</sup> configuration

*EXPRESS Data Manager*<sup>™</sup> version 5.0.301.1 uses the following *EDMdatabase*<sup>™</sup> configuration:

Max. model size: 4.2 Gbytes

Max. no. of active models in the *EDMdatabase*<sup>™</sup> is 128.

Max. no. of instances in the *EDMdatabase*<sup>™</sup> is 33.6 millions.

All versions of *EXPRESS Data Manager*<sup>™</sup> are configured for holding a predefined number of active models. This is a fixed property for a given version of *EXPRESS Data Manager*<sup>™</sup>. The following combinations are possible and may be generated on request:

Active Models	Instances per model	Minimum EDM_DB_BLOCK_SIZE
2048	2.1 million	1024
1024	4.2 million	1024
512	8.4 million	1024
256	16.8 million	1024
<b>128</b>	<b>33.6 million</b>	<b>2048</b>
64	67.2 million	2048
32	134.6 million	2048

*EXPRESS Data Manager*<sup>™</sup> uses a configurable *EDMdatabase*<sup>™</sup> block size. This is specified with the configuration parameter EDM\_DB\_BLOCK\_SIZE and must be set before an *EDMdatabase*<sup>™</sup> is created. Changing this configuration parameter requires a complete Dump/Restore of the *EDMdatabase*<sup>™</sup> populations and schemata. EDM\_DB\_BLOCK\_SIZE has the following legal values in bytes: 1024, 2048, 4096, 8192 and 16384.

A build of *EXPRESS Data Manager*<sup>™</sup> version 5.0.301.4, with a maximum of 32 active models is also available (edm5.00.0301.04\_32mod.exe).

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## 5 System availability

*EXPRESS Data Manager™* version 5.0.301 is only available on WINDOWS platforms.

## 6 Documentation

<b>Ref.</b>	<b>Description</b>	<b>Rev.</b>	<b>Date.</b>
[1]	Documentation File: <dir>:\edm\edm5.00.0301.06\help\index.html	5.0. 301	24.11.2008
[2]	Installation Guide File: <i>EDM50 Installation guide a2.doc</i>	1.2	15.11.2007

## 7 Corrected Bugs

All reported bugs are assigned a unique id, *BIC*<sup>1</sup>, as they are registered in Jotne EPM Technology's bug database.

### 7.1 Bugs corrected in version 5.0.301.1

<b>BIC</b>	<b>EDM Module</b>	<b>Description</b>
177	<i>EDMApplicationServer™</i>	Client out of sync with <i>EDMApplicationServer™</i> when executing <i>EDMquery™</i> with file mapping.
637	<i>EDMserver™</i>	Controlled shutdown of <i>EXPRESS Data Manager™</i> does not clean up its temp directory.
654	<i>EDMvisualExpress™</i>	Wrong link in generated HTML file when destination is not default.
687	<i>EDMsupervisor™</i>	The <i>Schemata&gt;Make HTML format</i> handles missing HTML file name poorly.
732	<i>EDMsupervisor™</i>	Wrong error message when <i>EDMdatabase™</i> is not open.
789	<i>EDMsupervisor™</i>	Zipped file option can not be set in the import model dialog.
881	<i>EDMInterface™/XPX</i>	Insufficient implementation of LIST OF LIST OF NUMBER.
886	<i>EDMsupervisor™</i>	<i>Remote Systems&gt;Models&gt;List models</i> fails with the message: "The system cannot find the file specified".
890	<i>EDMsupervisor™</i>	Wrong default options for the <i>EDMdatabase™</i> Dump/Restore operations.

<sup>1</sup> BIC = **B**ug**Z**ero **I**dentification **C**ode

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897	EDMsupervisor™	The <i>Data&gt;STEP file to HTML</i> produces invalid output.
931	EDMvisualExpress™	Crash when deleting entity with relationships.
933	Installation	InstallShield does not handle white space(s) in installation file path.
934	EDMexpressXcompiler™	Crash when compiling an uncompleted <i>EDMquerySchema™</i> .
948	EDMInterface™/XPX	Assignments to VAR arguments with NEW within Procedure(s) are not available outside the procedure scope.
963	EDMvisualExpress™	Crash when using Import Diagram from vex-file.
964	EDM - Core	Cannot remove user from group if another user is connected with that group.
972	EDM - Core	Validating model with complex entities failed.
973	EDMsupervisor™	<i>Schemata &gt; Show Schemata</i> does not generate HTML output.
998	EDMvisualExpress™	Crash when clicking/opening an special entity with comment (Vista Business only).
1002	EDM - Core	False error when importing step file.
1017	EDM - Core	Problem with Binary Variable Assignment.
1018	EDM - XML	XML read does not preserve white space, only text.
1026	EDMsupervisor™	False Error deleting instance with <i>EDMsupervisor™</i> thin client.

## 7.2 Bugs corrected in update 5.0.301.4

BIC	EDM Module	Description
342	EDM - Core	Crash when executing query through the Java-binding (EDOM3), using NULL parameters.
1030	EDMInterface™	Crash when executing <code>edmiCopyModel()</code> on large populations.
1031	EDM - XML	P28e2 XML carriage return issues. Missing carriage returns.
1044	EDMInterface™/XPX	<code>xpxThrow()</code> erroneously returned " <i>incorrect condition in an IF statement</i> ".
1077	EDMInterface™/XPX	Can not assign negative values to real and integer types in <i>EDMdebugger™</i> .

## 7.3 Bugs corrected in update 5.0.301.5

BIC	EDM Module	Description
1123	EDMwebServices™	<code>createTemporaryFile()</code> returns illegal SOAP.

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#### **7.4 Bugs corrected in update 5.0.301.6**

<b>BIC</b>	<b>EDM Module</b>	<b>Description</b>
1047	EDM - core	Cannot send values containing special characters (æøå) to webservises.
1097	<i>EDMserver™ Utilities</i>	Error in e-edm.cmd - Backup: '\edms_connector' is not recognized.
1124	<i>EDMserver™ Utilities</i>	Scheduled Back-Up location specified with command line option -bl did not work.
1098	<i>EDMserver™ Utilities</i>	Wrong environment variable in e-edm.cmd and e-newslet.cmd: MY_SLOT_HOME.
1099	<i>EDMserver™ Utilities</i>	EDM scripts: Change all _HOME variables to _SLOT. Change EDM_SERVER to MY_SERVER
1117	<i>EDOM3/Java™</i>	getErrors() returns 0 when there is 1 error.
1126	<i>EDMwebServices™</i>	Web Service SOAP response garbled with multiple clients (OCDS Bugzilla bug #407).