



---

## SAE - Automation, s.r.o.

### OpcDbGateway, Version 3.11.00

Release: 3.11.00.0 (27<sup>th</sup> March 2008)  
Release: 3.10.03.0 (19<sup>th</sup> December 2007)  
Release: 3.10.02.0 (8<sup>th</sup> October 2007)  
Release: 3.10.01.0 (6<sup>th</sup> December 2006)

---

This file provides information about removed bugs, changes, file versions and location of installed files.

#### Contents

1. INSTALLATION
2. NEW FEATURES
3. CORRECTED ERRORS
4. FILELIST AND FILE INFORMATION
5. FAQ
6. KNOWN ISSUES
7. SUPPORT
8. CONTACTS

## 1. INSTALLATION

Using setup program Setup.exe.

## 2. NEW FEATURES

### Version 3.11.00 - **New !!!**

- Added a new interface for communication with external DLL modules which may be written in some language more close for software developers (C++, Delphi, etc.). From now, OpcDbGateway can call exported DLL functions and can process all needed data (Input & Output) of these DLL modules. The new feature facilitates even a relative complicated functionality to remove to DLL and make it simpler for implementation. DLL module is possible to use for implementing complicated algorithms, database access, communication protocols, I/O modules, drivers, etc.
- The simple DEMO application of OpcDbGateway was enhanced about a new part which shows how to call and use external DLL modules. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".
- The installation package includes one example of external DLL source code. It is possible to find the DLL source code directly under application directory and use that as template for implementing your own external DLLs.

### Version 3.10.03

- A new system variable: System.LocalTime (The current date and time from computer where OpcDbGateway is installed.)
- The default AlarmStatus table includes two new columns (AlarmSourceID, AlarmSourceName), which exactly determine each alarm source.
- A new default AlarmStatusHistory table. All alarms will be written to the AlarmStatusHistory table too (because of history of alarms). The table has the same structure as AlarmStatus table.

### Version 3.10.02

- User's Guide was enhanced about new topic "***The first start of OpcDbGateway application***". The simple DEMO application of OpcDbGateway which is set as active project during OpcDbGateway installation time.
- Overall, the User's Guide was renewed.

#### Version 3.10.01

- Historic Trends Wizard. This wizard will guide you through the creation of a new Historic Trend.

### 3. CORRECTED ERRORS

#### Version 3.11.00 - *Fixed bugs*

- External OPC Servers: The Browse OPC Server dialog shows only few accessible computers in the Network Neighborhood item.
- External OPC Servers: The Browse OPC Server dialog shows accessible computers in the Network Neighborhood item several times.
- External OPC Servers: The remote external OPC server connection.

#### Version 3.10.03 - *Fixed bugs*

- Historic Trends Wizard: The Memory Operands are displayed in the lists in the short form (the memory operand is listed without his parent folder).
- Historic Trends Wizard: The current date and time in Query is optimized for Microsoft Jet database. (From now, the current date and time in Query is optimized by used database provider, which is one of ODBC or Microsoft Jet).
- Historic Trends Wizard: Parameters in Query refer to an incorrect Memory Operands.
- Historic Trends Wizard: The wizard supports all Memory Operands data types. (From now, the wizard will support all Memory Operands data types except for 'STRING' and 'DATE'.)
- Historic Trends Wizard: The possibility of duplicity between selected Memory Operands.

#### Version 3.10.02 - *Fixed bugs*

- Historic Trends Wizard: Selecting memory operands through button.
- Process database: Selecting a data source from ODBC.
- External OPC Servers: If the OPC Server with ProgID is not available, then browsing of its OPC items is refused.
- Events: Setting active dialog (view) for objects (Trigger, Query, Function Block) selected by associated property button.
- Triggers: Setting active dialog (view) for object (Memory operand) selected by associated property button.
- Memory operands: Setting active dialog (view) for object (Alarm Definition MOP) selected by associated property button.
- Alarm Definition MOP: Setting active dialog (view) for object (Messages, Memory operand) selected by associated property button.
- Objects (Triggers, Events, etc.): It is possible to insert an empty name.
- Objects (Triggers, Events, etc.): It is possible to insert already existing name.
- Incorrect version of OpcDbGateway Runtime module in About dialog.

### 4. FILELIST AND FILEINFORMATION

#### OpcDbGateway

Name: OpcDbGateway.exe  
 Version: 3.11.0.0  
 Location: ..\OpcDbGateway\  
 Description: The main runtime module of OpcDbGateway application.

Name: OpcDbGatewayConfigurator.exe  
Version: 3.11.0.0  
Location: ..\OpcDbGateway\  
Description: The module is used for creating configuration for OpcDbGateway runtime module.

Name: OpcDbGateway.chm  
Location: ..\OpcDbGateway\Help\  
Description: The User's Guide for OpcDbGateway application.

#### **Documents**

Name: License.pdf  
Location: ..\OpcDbGateway\  
Description: The software license agreement for end-user for software from company.

Name: Relnotes.pdf  
Location: ..\OpcDbGateway\  
Description: This file provides information about removed bugs, changes, file versions and location of installed files.

Name: OpcDbGateway.pdf  
Location: ..\OpcDbGateway\Help\  
Description: The User's Guide for OpcDbGateway application in PDF format.

#### **XML-DA interface**

Name: SAEAutomation.OpcDbGatewayDA.3.asmx  
Location: ..\OpcDbGateway\Web Service\  
Description: The Web Service which extends the OpcDbGateway application functionality about OPC XML DA interface. Please read more about this issue in User's Guide topic "*How to access OpcDbGateway data from anywhere place on Internet/Intranet*" and associated sub-topics".

Name: XMLDAWrapperSetup.msi  
Location: ..\OpcDbGateway\XML-DA Setup\  
Description: The XML-DA Wrapper assembly which makes OpcDbGateway available through Web Services. It needs the Internet Information Services (IIS). Please read more about this issue in User's Guide topic "*How to access OpcDbGateway data from anywhere place on Internet/Intranet*" and associated sub-topics".

#### **Examples**

Name: Demo.odg  
Location: ..\OpcDbGateway\Examples\Configurations\  
Description: The simple DEMO application of OpcDbGateway. This file is set as active project during OpcDbGateway installation time. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

Name: ProcessDB.mdb  
Location: ..\OpcDbGateway\Data\  
Description: The example of process database which is used in DEMO application. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

Name: OPCSImRuntime.exe  
Version: 3.1.0.0  
Location: ..\OpcDbGateway\ExternalApp\  
Description: The runtime module of SAEAutomation.OPCSImDA application which is started directly from DEMO application. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

Name: Demo.osd  
Location: ..\OpcDbGateway\ExternalApp\  
Description: The runtime module of SAEAutomation.OPCSImDA application which is started directly from DEMO application. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

Description: The example of SAEAutomation.OPCSimDA project file. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

Name: Example1.dll

Location: ..\OpcDbGateway\ExternalDll\

Description: The example of external DLL module. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

Name: Source code: Example1.dll

Location: ..\OpcDbGateway\Examples\ExternalDlls\Example1\

Description: The source code of external DLL example which is used in the simple DEMO application of OpcDbGateway. Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

## E-Commerce

Name: PAD\_FILE.XML

Location: ..\E-Commerce\

Description: The PAD file which provides info about OpcDbGateway product.

Name: PRODUCT\_INFO.HTM

Location: ..\E-Commerce\

Description: The file is generated from PAD file and provides info about OpcDbGateway product.

## 5. FAQ

### 1. *The first start of OpcDbGateway application.*

Recommendation: Please read more about this issue in User's Guide topic "*The first start of OpcDbGateway application*".

### 2. *Writing the values on data items doesn't work.*

Recommendation: Data item is probably read only. Check the rights of data items you are using. Open OpcDbGateway Configurator and choose data item. Change the rights to Read/Write.

### 3. *How to make OpcDbGateway data available via Internet/Intranet?*

Recommendation: Please read more about this issue in User's Guide topics "*How to access OpcDbGateway data from anywhere place on Internet/Intranet*" and associated sub-topics.

### 4. *How is it possible to verify that XML-DA wrapper has been installed correctly?*

Recommendation: Please type the URL in the internet browser as follows: <http://localhost/XML-DA/SAEAutomation.OpcDbGatewayDA.3.aspx>. If the XML-DA wrapper is working correctly you will see a web service test page which will inform you about all operations which are supported (it is a standard test page for all ASP.NET web services).

### 5. *If the XML-DA wrapper is installed successfully and working, how should we get the related web services' WSDL?*

Recommendation: If the web service test page is working, just click on "Service Description" link on the top of the screen to display web service's WSDL or visit the following link <http://localhost/XML-DA/SAEAutomation.OpcDbGatewayDA.3.aspx?WSDL>.

### 6. *In the User's Guide is mentioned 'Win XML-DA OPC Client', where can we get this software and what is this software for?*

Recommendation: XML-DA OPC Client is a sample application only for the purpose of testing and demonstration how to access data through XML-DA interface.

Please contact us ([sae-automation@saeautom.sk](mailto:sae-automation@saeautom.sk)) and you may obtain the source code of this application on demand.

### 7. *We have already created a project for OpcDbGateway. I want to ask whether the Function Blocks (e.g. Main, Start) are the items displayed on the web service page?*

Recommendation: Function blocks are not items displayed on the web service page. They represent only a group of commands that can be executed sequentially in OpcDbGateway.

OPC XML-DA is universal OPC standard that provides interface for accessing OPC server's data through a web service (this means you can access items configured in the server's address space).

#### **8. What to do if an OPC server is in the network but not in the available list of OPC servers?**

Recommendation: Please type your OPC Server 'ProgID' directly to the field 'OPC Server ProgID' in format 'computer name:ProgID' or 'IP address:ProgID'.

E.g.

127.0.0.1:SAEAutomation.OPCSimDA.3

localhost:SAEAutomation.OPCSimDA.3

PC1:SAEAutomation.OPCSimDA.3

## **6. KNOWN ISSUES**

### **1. Reading the item values through XML-DA.**

Recommendation: Please use for reading of items technique Subscription.

### **2. Accessing to a process database through ODBC interface.**

Recommendation: The database access through ODBC provider is optimized for SQL Server.

If you need to access other database e.g. ORACLE then please contact us and we may offer you additional possibilities how to solve your problem.

### **3. From the following link <http://localhost/XML-DA/SAEAutomation.OpcDbGatewayDA.3.asmx> is not possible to get a web service test page. How can the problem be solved?**

Recommendation A: Please make sure Microsoft .NET Framework 1.1 or higher is installed on your computer correctly (you can see if .NET Framework is installed via Administrative Tools panel). If so, try to reinstall .NET Framework. You can download it at:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=262d25e3-f589-4842-8157-034d1e7cf3a3&displaylang=en>

Recommendation B: Make sure .asmx file extension is registered in IIS server.

Recommendation C: Make sure your link is written right.

## **7. SUPPORT**

Telephone: +421/ 42 4450701 (Monday - Friday: 8:00 AM - 17:00 PM)

Fax: +421/ 42 4450702

Email: sae-automation@saeautom.sk

## **8. CONTACTS**

SAE - Automation, s.r.o.

Sady Cyrila a Metoda 21/18

018 51 Nova Dubnica, Slovak republic

<http://www.saeautom.sk>, <mailto:sae-automation@saeautom.sk>

**Copyright © 2004-2008 SAE - Automation, s.r.o. All rights reserved.**