Alarm Gateway Object for Wonderware Application Server

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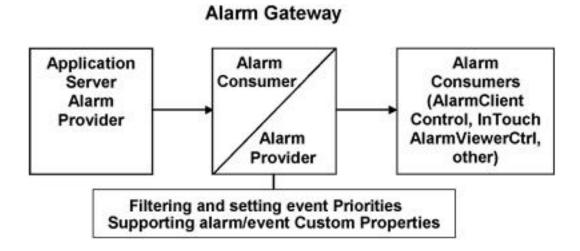
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Alarm Gateway Object for Wonderware Application Server

Introduction

The **Alarm Gateway Object** (Alarm Gateway) is a basic component of Wonderware Finland **Alarm Extension Pack Standard Edition** and provides functionality to create separate configurable Alarm Provider for alarms coming from Wonderware Application Server (WAS) and/or other Alarm Providers compatible with Wonderware Alarm System:



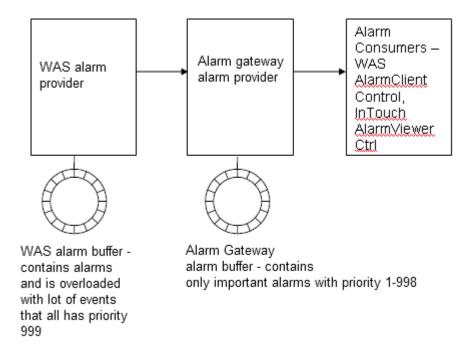
In case included in Wonderware Finland **Alarm Extension Pack UReason Edition**, the Alarm Gateway Object provides also the functionality to send/receive alarms to/from Wonderware alarming system from/to **UReason alarming system**.

The Alarm Gateway can be used to solve the following tasks:

Avoid alarm loss in high loaded systems:

WAS Historical alarms and events are stored in a circular buffer, where the oldest entries are discarded to make room for new ones, so in case there generated a lot of events then important alarms can be lost.

By using the Alarm Gateway, it is possible to store all important alarms in separate Alarm Gateway buffer - that can be done by querying alarms/events only with priorities from 1 to 998:



Note: Alarm Gateway alarm buffer can contain about 6000-7000 alarms. The total number of stored alarms depends on size of alarms.

Change the event priority:

WAS alarming system does not provide possibility to configure event priority - all events have built-in priority 999.

By using Alarm Gateway, it is possible to change the event priority by using the setPriority custom attribute .For more information see the "Custom attributes" section "setPriority" later in this User Guide.

Connect to UReason alarming system:

Alarm Gateway can send alarms/events from Wonderware alarming system to UReason alarming system. For more information see "UReason gateway" section later in this User Guide.



Installing the Alarm Gateway Object

Hardware requirements

The Alarm Gateway object has the same hardware requirements as Wonderware Application Server. It is strongly recommended to have computer with 2 gigahertz (GHz) or faster processor, 32/64-bit. A multi-core processor is also strongly recommended. The Intel Itanium 2 processor is not supported.

Software requirements

The Wonderware **Application Server 3.1** version or later are supported.

Package content

- AlarmGateway_001 folder contains standalone Alarm Gateway object installation.
- P185m16.pdf User Manual (this document)

Installing standalone object

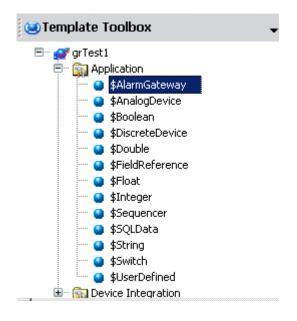
Object import

- 1) Copy **Alarm Gateway** object to some folder, e.g. to C:/Install.
- 2. Start the **ArchestrA IDE** and import the **AlarmGateway2.aaPDF** file from **AlarmGateway_001** folder to a new/existing galaxy (in the further explanation we will assume that a new galaxy **grTest1** is used).



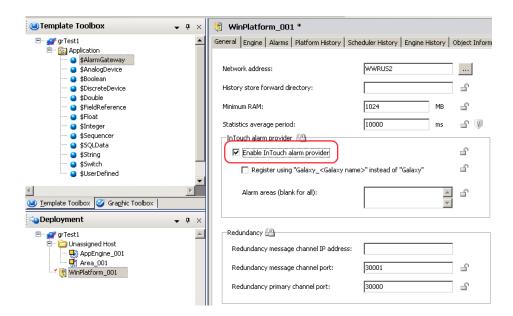
Note: If you are using existing galaxy and there are already deployed an older Alarm Gateway object version please, following upgrade instruction from section **Object upgrade procedure.**

3) After importing **\$AlarmGateway** template is added to Template Toolbox:

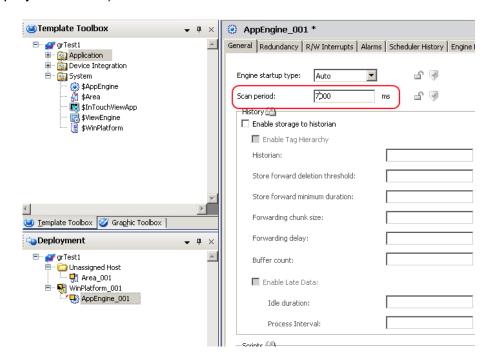


Object configuration

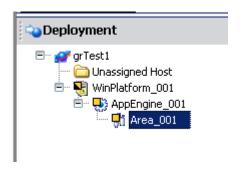
 Create WinPlatform object (if is not existing already) with alarm provider feature enabled.



 Create AppEngine with Scan period 7 secs and assign it to Platform object (Deployment View)



3) Create Area object and assign in to AppEngine object



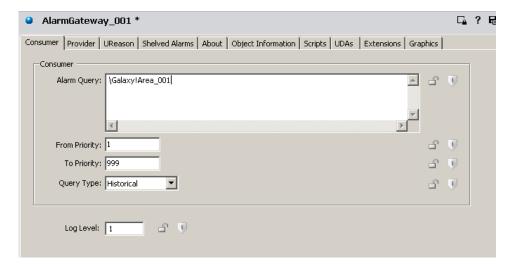
- 4) Create AlarmGateway instance and assign it to Area object.
- 5) Open Alarm Gateway object editor and configure following parameters in:

a) Consumer tab:

Alarm Query: \Galaxy!Area_001

Where **Area_001** is area name what is host of Alarm Gateway object or other area can be specified that host objects with alarming enabled.

 Log Level set to 0 if do not want diagnostic log messages to be logged into SMC Logger or set to 1 to enable diagnostic logging.



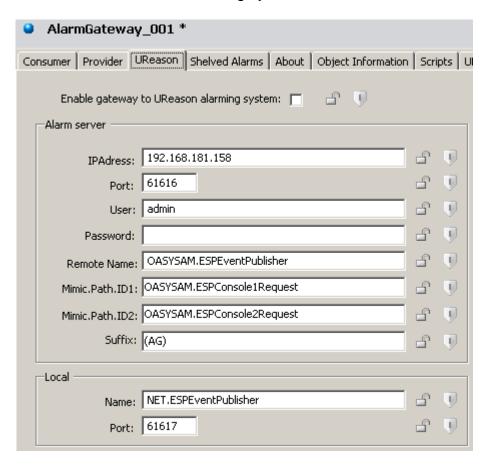
b) Provider tab:

Change alarm provider name if needed of alarm clients:

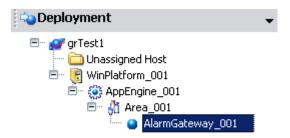


c) UReason tab

Enabled connection to UReason alarming system if used:



- 6) Create or import some objects with alarming enabled under **Area_001**.
- 7) Deploy created all objects



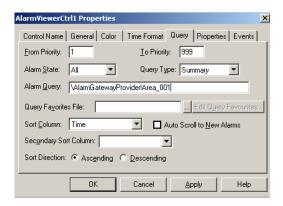
- 8) License Alarm Gateway object see Section Licensing requirements for details.
- 9) Create or import InTouch application to test AlarmGateway alarms configure alarm client

Alarm Query:

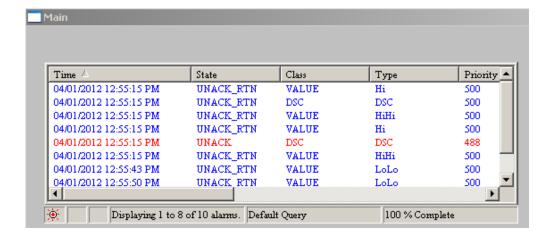
\\WWNode\AlarmGatewayProvider!Area_001 or

\\192.168.75.209\AlarmGatewayProvider!Area_001

Note: Query without Nodename like **AlarmGatewayProvider!Area_001** or **/AlarmGatewayProvider!Area_001** will not work on Windows 2008



10) Run InTouch application and check alarms



Licensing requirements

Alarm Gateway object support two types of licenses:

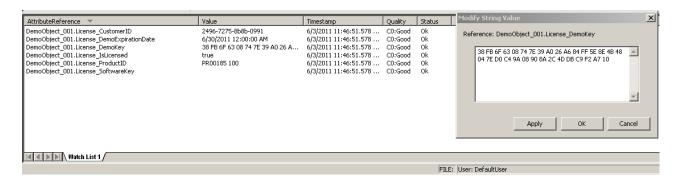
- The **demo license** is for free and provides an unlimited functionality, but it is valid only for a limited time period.
- The software key enables the Alarm Gateway Object unlimited full time running without any restrictions.

Demo License installation

The **demo license** is for free and provides an unlimited functionality, but it is valid only for a limited time period. After demo license expiration, the Alarm Gateway will stop to provide the alarms. The demo license can be obtained by sending inquiry to info@wonderware.fi.

To activate the received demo License key, you need to set it to object **License_DemoKey** attribute:

If demo license is valid (correct key is installed) **License_IsLicensed** attribute is true and in **License_DemoExpirationDate** attribute is displayed expiration date after that product stops working.



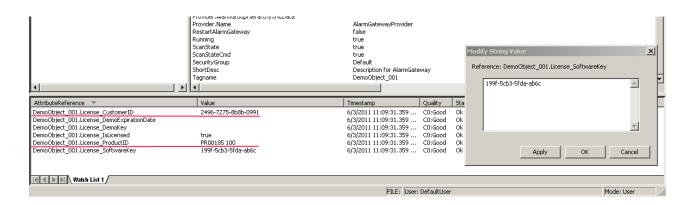
Software key installation

The **software key** enables the Alarm Gateway Object unlimited full time running without any restrictions.

To get and enable the **software key**:

- get "Product ID" from object **License_ProductID** attribute (e.g. PR00185 100);
- get "Customer ID" from object License_CustomerID attribute;
- copy/paste it to e-mail (or text file or similar) and provide this "Customer ID" string when ordering the Alarm Gateway Object;
- when product is purchased, copy the received "Software Key" to object **License_SoftwareKey** attribute:

If license key is valid (correct key is installed) **License_IsLicensed** attribute is set to true and product is ready for use.



Licensing run-time attributes:

Attribute	Description	Run-Time Access
License_CustomerID	Unique generated customer ID	Read-Only
License_DemoExpirationDate	Demo license expiration date	Read-Only
License_DemoKey	Demo license key	User
License_IsLicensed	If True then product is licensed	Read-Only
License_ProductID	Product ID	Read-Only
License_SoftwareKey	Product software key	User

Configuration

For general information about objects (including relationships, deployment and alarm distribution) - see the Wonderware Integrated Development Environment (IDE) documentation.

For information on configuration options for object information, scripts, user-defined attributes (UDAs), or attribute extensions, click **Extensions Help** in the Help file header.

General Configuration

The following section describes the Object Editor options for configuration and the associated attributes.

Use the **General** tab to configure and tune the behavior of the Alarm Gateway Object:

Consumer:

Editor Option	Associated Attribute	Description
Alarm Query	Consumer.AlarmQuery	Consumer Alarm Query
From Priority	Consumer.FromPriority	Enter the starting value of the alarm priority range
To Priority	Consumer.ToPriority	Enter the ending value of the alarm priority range
Query Type	Consumer.QueryType	Alarm query type.

Provider:

i iovidei.		
Editor	Associated Attribute	Description
Option		
Name	Provider.Name	Alarm provider name
Alarm Historical	Provider.AlarmBufSize	Alarm buffer size.
Buffer Size		
Alarm Group	Provider.AlarmHierarch yFile	Path to WAS generated Alarm (Area) hierarchy file
Hierarchy		Default value: c:\Program
XML		Files\ArchestrA\Framework\Bin\GlobalDataCache \AreaHierarchy.xml
Alarm	Provider.AlarmBackup	Alarm Backup XML files Location on disk
Backup	Location	
XML		
Location		

Run-Time Object Attributes

All object attributes are grouped into following groups by prefix:

AlarmGateway - defines attributes for Alarm Gateway general configuration and status.

Provider_ - defines attributes for Alarm Provider configuration

Consumer - defines attributes for Alarm Consumer configuration.

Licence - defines attributes for licensing

Set - defines custom attributes – see section "Custom attributes" for more information

The following table describes the run-time only attributes for the Alarm Gateway Object.

Note: Configurable run-time attributes are described in the configuration sections. For more information, see **Configuration** section above.

Attribute	Description	Run-Time
		Access
AlarmGateway_Started	If true Alarm Gateway is Started	Read-Only
	and running.	
AlarmGateway_LastErrorMessage	Last Error Message	Read-Only
AlarmGateway_LastErrorCode	Last Error Code (No errors = 0)	Read-Only
AlarmGateway_Restart	Trigger – if set to True then	User
	restarts Alarm Gateway.	
Consumer.Status	Current status of Alarm Gateway	Read-Only
AlarmGateway_AlarmGroups	Displays all created alarm groups	Read-Only

Note: It is highly recommended to run any Alarm Gateway Object in separate Engine since Alarm Gateway uses scan interval for reading the alarms. Recommended Engine scan interval for Alarm Gateway is at least 1000 ms.

Custom Alarm/Event attributes

By using custom attributes, it is possible to change following alarm data fields in Wonderware alarm system or in UReason alarm system:

For Wonderware alarm custom attributes prefix **setWW**_ is used for Ureason attribute prefix **setUR**_ is used.

Custom Attribute	Alarming system	Description
SetWW_User1	Wonderware	User-defined field number 1.
SetWW_User2	Wonderware	User-defined field number 2.
SetWW_User3	Wonderware	User-defined field, string.
SetWW_Priority	Wonderware	Alarm/Event Priority.
SetUR_Source	UReason	Alarm Source
SetUR_Class	UReason	Alarm Class

Custom attributes can be set from WAS scripts with following command:

Syntax: objectName.CustomAttribute = "Alarm/Event name = value"

Wonderware alarm system custom attributes

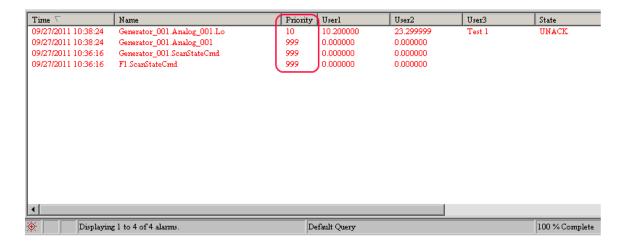
SetWW_Priority

Is used to set **Wonderware** alarm system alarm and event **Priority** (valid range from 1 to 999).

Sample:

Following command sets Wonderware alarming system alarm priority to 10 for alarm Generator_001.Analog_001.Lo:

AlarmGateway_001.setWWPriority = Me.Tagname + ".Analog 001.Lo=10";



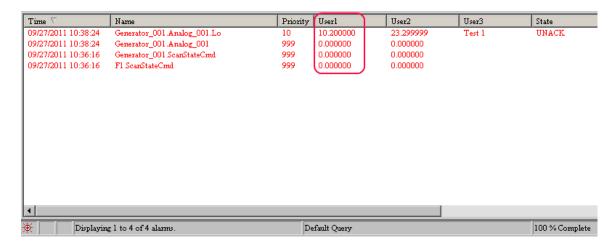
$SetWW_User1$

Is used to set Wonderware alarm system User-defined (User1) float field.

Sample:

Following command sets Wonderware alarming system alarm User 1 field to 10.2 for alarm Generator_001.Analog_001.Lo:

AlarmGateway_001.setWW_User1 = Me.Tagname + ".Analog_001.Lo=10.2";



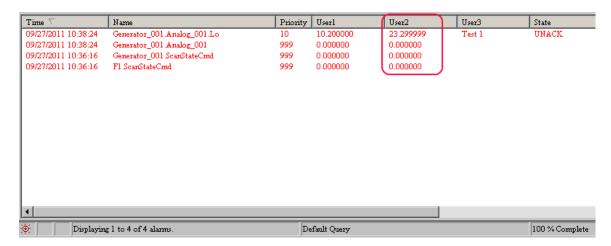
SetWW_User2

Is used to set Wonderware alarm system User-defined (User2) float field.

Sample:

Following command sets Wonderware alarming system alarm User 2 field to 23.3 for alarm Generator_001.Analog_001.Lo:

AlarmGateway_001.setWW_User2 = Me.Tagname + ".Analog_001.Lo=23.3";



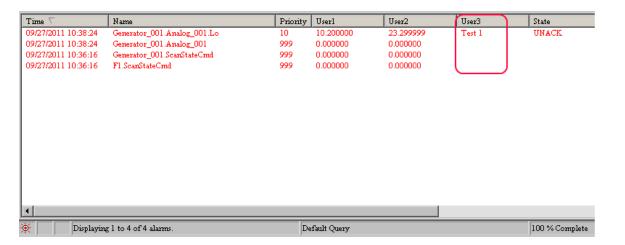
$SetWW_User3$

Is used to set Wonderware alarm system User-defined (User3) string field.

Sample:

Following command sets Wonderware alarming system alarm User 3 field to 'Test 1' for alarm Generator_001.Analog_001.Lo:

AlarmGateway_001.setWW_User3 = Me.Tagname + ".Analog_001.Lo=Test 1";



UReason alarm system custom attributes

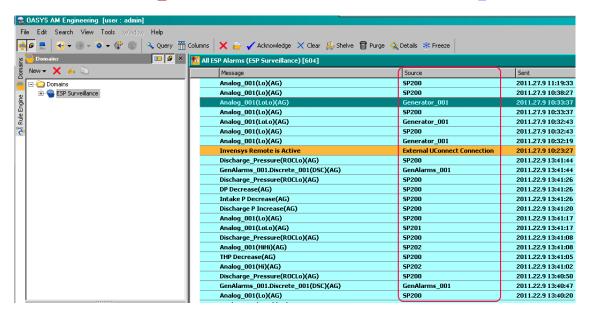
setUR_Source

Is used to set **UReason** alarm system alarm **Source** property.

Sample:

Following command sets UReason alarm parameter Source to 'SP200' for alarm Generator_001.Analog_001.Lo:

AlarmGateway 001.setURSource = Me.Tagname + ".Analog 001.Lo=SP200";



setUR_Class

Is used to set **UReason** alarm system alarm **Type** property.

Note: Class is a critical parameter for UReason alarm system, all alarms/events that are intended for use in UReason alarm system must have defined valid class.

Sample:

Following command sets UReason alarm Class (Type) property to 'THP Decrease' for alarm Generator_001.Analog_001.Lo:

AlarmGateway 001.setURClass = Me.Tagname + ".Analog 001.Lo=THP Decrease";



setUR_Priority

Is used to set **UReason** alarm system alarm **Severity** property.

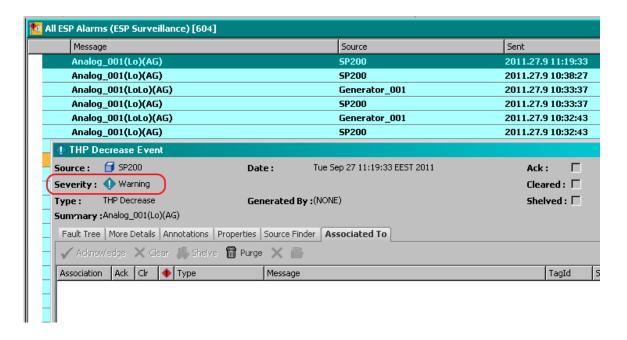
Sample:

Following command sets UReason alarm **Severity** property to 5 (Warning) for alarm Generator_001.Discrete_001:

```
AlarmGateway_001.setUR_Priority = Me.Tagname + ".Discrete 001=5";
```

Note: UReason alarm system has following alarm/event priorities:

- 1 Critical
- 2 High Severity
- 3 Medium Severity
- 4 Low Severity
- 5 Warning
- 6 Information



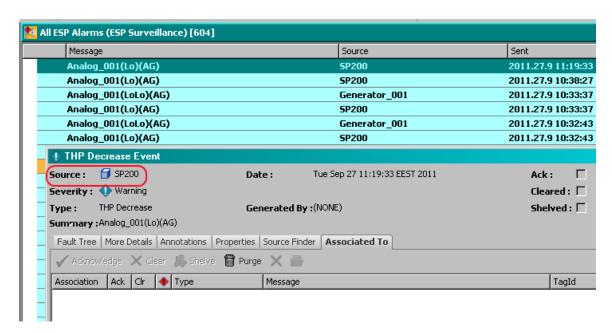
setUR_Source

Is used to set **UReason** alarm system alarm **Source** property.

Sample:

Following command sets UReason alarm **Source** property to Me.Tagname (Generator_001) value for alarm Generator_001.Analog_001.Lo:

AlarmGateway_001.setUR_Source = Me.Tagname + ".Analog_001.Lo=" + Me.Tagname;



$set UR_MimicWindow$

Is used to set **UReason** alarm system alarm **MimicWindow** property.

For details see Alarm Gateway UReason Mimic functionality section.

Sample:

Following command sets **UReason** alarm MimicWindow property:

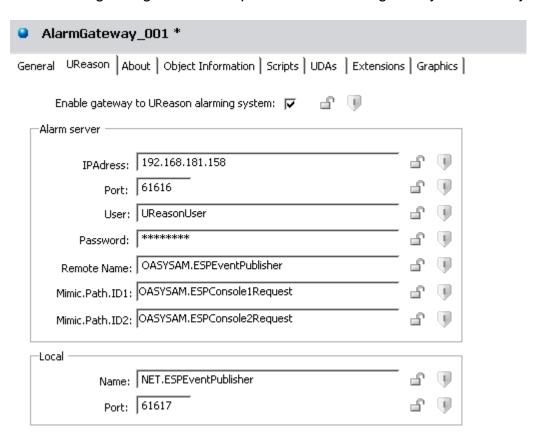
AlarmGateway_001.setUR_MimicWindow = Me.Tagname + ".Analog_001.Lo=SP200";

UReason gateway

Alarm Gateway Object provides functionality to send/receive alarms to/from Wonderware alarming system from/to UReason alarming system. The following functionality are supported:

- 1. Send new and acknowledged alarms to UReason alarm system.
- 2. UReason functionality to show Mimic InTouch windows.
- 3. UReason Shelved alarms functionality.
- 4. Acknowledge Wonderware alarms from UReason alarm system.

The following configuration is required for UReason gateway functionality:



Please, refer to UReason documentation for more information about UReason alarming system.

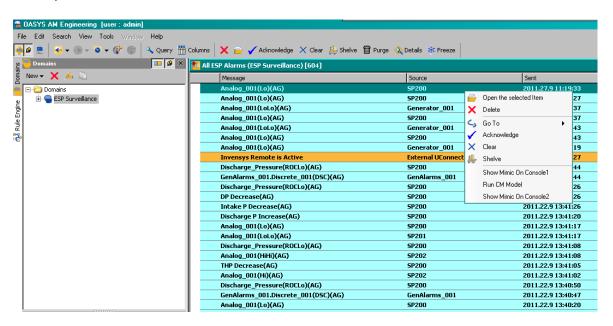
Alarm Gateway UReason Mimic functionality

Alarm gateway supports UReason Mimic functionality.

Following object attributes are used for Console1 and Console2:

- AlarmGateway_001.UReason.Mimic.Path.Console1
 If user selects "Show Mimic On Console1" from UReason alarm menu, this attribute is changed to UReason Source value (for Alarm Analog_001.Lo it is SP200, see picture below).
- AlarmGateway 001.UReason.Mimic.Path.Console2

If user selects "Show Mimic On Console2" from UReason alarm menu, this attribute is changed to UReason Source value (for Alarm Analog_001.Lo it is SP200 see picture below).

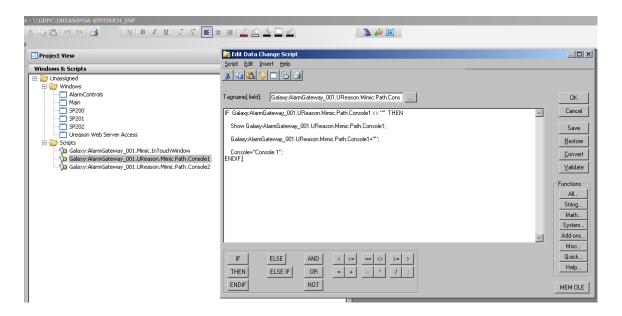


Mimic functionality can be used for opening specific InTouch windows that are tied to UReason alarm by the Source value.

Sample InTouch script:

IF Galaxy:AlarmGateway_001.UReason.Mimic.Path.Console1 <> "" THEN
 Show Galaxy:AlarmGateway_001.UReason.Mimic.Path.Console1;
 Galaxy:AlarmGateway_001.UReason.Mimic.Path.Console1="";
 Console="Console 1";
 ENDIF;

IF Galaxy:AlarmGateway_001.UReason.Mimic.Path.Console2 <> "" THEN
 Show Galaxy:AlarmGateway_001.UReason.Mimic.Path.Console2;
 Galaxy:AlarmGateway_001.UReason.Mimic.Path.Console2="";
 Console="Console 2";
ENDIF;



Mimic functionally without UReason alarming system

For Alarm Gateway UReason Mimic functionality only for Wonderware alarm system (without UReason), the following string attributes are needed:

- AlarmGateway_001.Mimic.Alarmname input AlarmName from provider alarms list (max length 32 characters)
 Sample: SP200.Intake_Pressure_Decrease
- AlarmGateway_001.Mimic.InTouchWindow returns default (WAS object name) or user-defined (set in setSource attribute) value, e.g. SP200

Sample script:

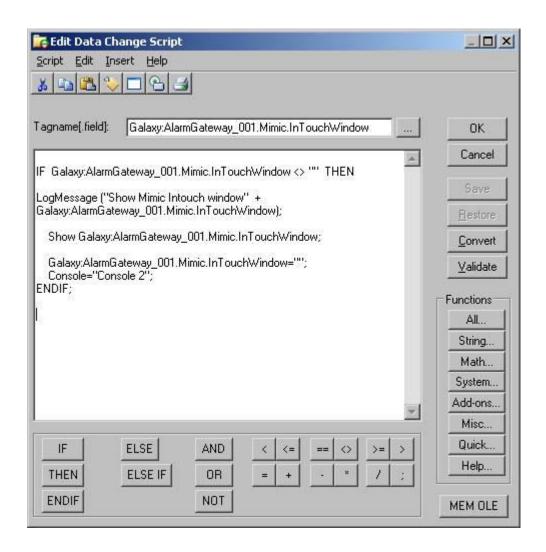
InTouch data change script Galaxy:AlarmGateway_001.Mimic.InTouchWindow

IF Galaxy:AlarmGateway_001.Mimic.InTouchWindow <> "" THEN

LogMessage ("Show Mimic Intouch window" +
Galaxy:AlarmGateway_001.Mimic.InTouchWindow);

Show Galaxy:AlarmGateway_001.Mimic.InTouchWindow;

Galaxy:AlarmGateway_001.Mimic.InTouchWindow=""; Console="Console 2"; ENDIF;

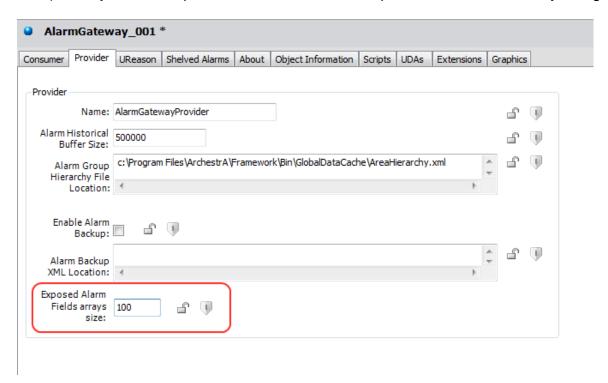


Exposed Alarm Fields

Exposed Alarm Field arrays are used to expose specific Alarm information (fields) as object attributes that can be used in WAS scripting.

Following configuration is needed to setup Exposed Alarm Fields:

1) In object editor open tab Provider and set Exposed Alarm Fields arrays length:



- 2) Deloy Alarm Gateway object.
- 3) Define exposed alarm configuration XML:

XML structure:

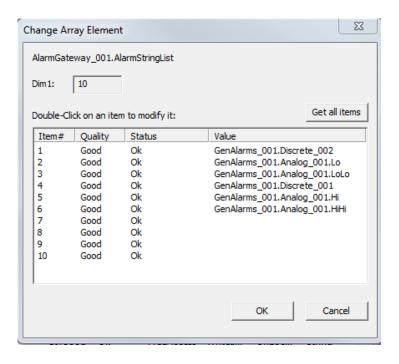
Root: <AlarmConfiguration>

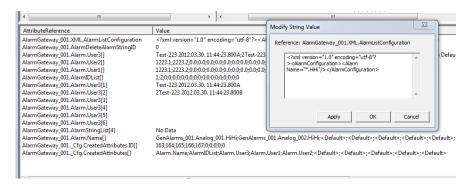
Element:

Name: Alarm

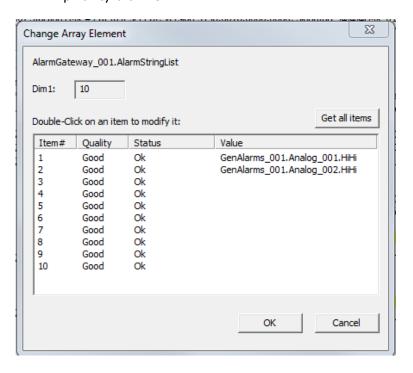
Attributes:

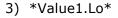
- Name Alarm name alarm names are case sensitive.
 Note: Also wildcards are supported following samples are correct:
 - 1) GenAlarm* Adds to exposed list all Alarms that name starts with GenAlarm:

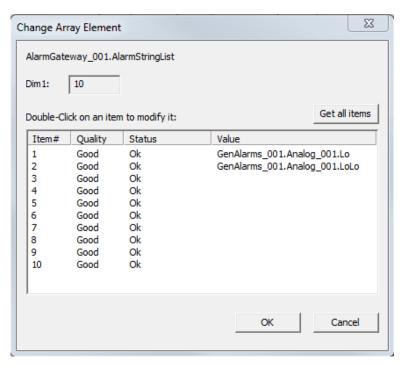




2) *HiHi - Adds to exposed list all Alarms that name ends with HiHi - all HiHi priority alarms.





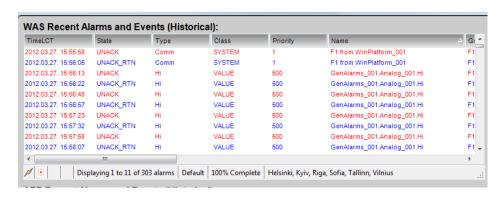


 ID – used defined ID -is used to delete entries from arrays by set value to AlarmDeleteAlarmStringID attribute.

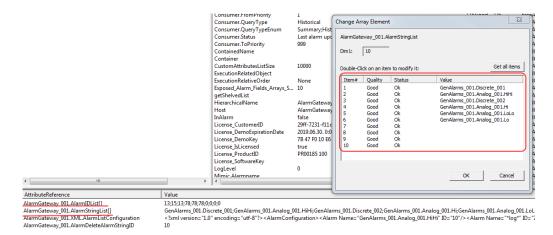
```
<AlarmConfiguration>
<Alarm Name="Alarm_300.Value1.Lolo" ID="10"/>
<Alarm Name="Alarm1*" ID="11"/>
</AlarmConfiguration>
```

Note: For testing proposes in WAS following sample alarms are defined Analog_001 (LoLo,Lo,Hi,HiHi), Discreate_001, Discreate_002

- 4) set it to Alarm Gateway Big String XML.AlarmListConfiguration attribute.
- 5) When defined alarm raises



6) Exposed Alarm Field arrays are filled with defined Alarm Fields that are defined in **XML.AlarmListConfiguration** attribute:



Configuration attributes

XML.AlarmListConfiguration

Stores Alarm XML configuration

AlarmIDList

dataType: int array

Array size: is defined in editor **Exposed_Alarm_Fields_Arrays_Size** attribute.

Description:

Array of Alarm Gateway generated exposed alarm unique ID that can be used to identify each exposed alarm.

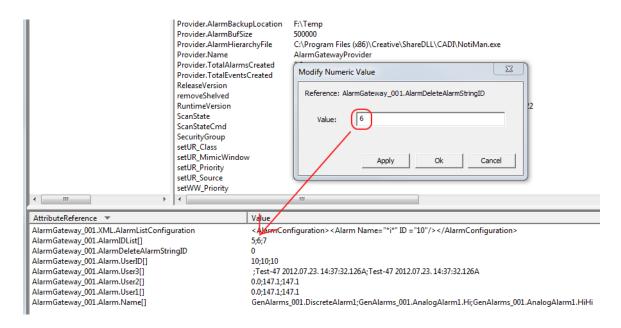
AttributeReference ▼	Value
AlarmGateway_001.XML.AlarmListConfiguration	<alarmconfiguration> <alarm id="10" name="*i*"></alarm> </alarmconfiguration>
AlarmGateway_001.AlarmIDList[]	5;6;7
AlarmGateway_001.AlarmDeleteAlarmStringID	0
AlarmGateway_001.Alarm.UserID[]	10;10;10
AlarmGateway_001.Alarm.User3[]	;Test-47 2012.07.23. 14:37:32.126A;Test-47 2012.07.23. 14:37:32.126A
AlarmGateway_001.Alarm.User2[]	0.0;147.1;147.1
AlarmGateway_001.Alarm.User1[]	0.0;147.1;147.1
AlarmGateway_001.Alarm.Name[]	GenAlarms_001.DiscreteAlarm1;GenAlarms_001.AnalogAlarm1.Hi;GenAlarms_001.AnalogAlarm1.HiHi

AlarmDeleteAlarmStringID

dataType: int

Description:

Deletes entry from Exposed Alarm Fields that matches specified alarm ID in array AlarmIDList.



Alarm.UserID

dataType: int array

Description:

Displays User defined ID from Alarm list configuration (attribute XML.AlarmListConfiguration) file Alarm node attribute **ID**

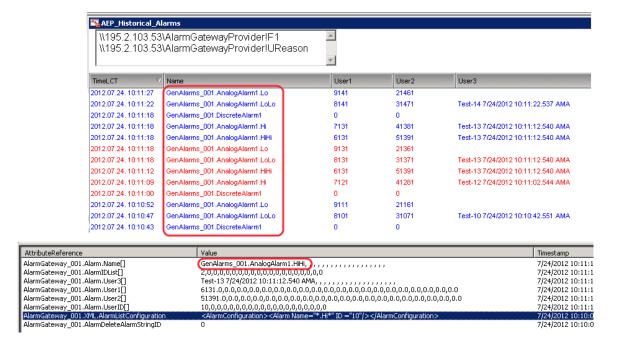
AttributeReference	Value
AlarmGateway_001.XML.AlarmListConfiguration	<alarmconfiguration> <alarm 10")="" name="*.Hi* (ID = "> </alarm></alarmconfiguration>
AlarmGateway_001.Alarm.Name[]	GenAlarms_001.AnalogAlarm1.Hi;GenAlarms_001.AnalogAlarm1.HiHi;;;;;;;;;;;;;
AlarmGateway_001.Alarm.User1[]	1132.1;1132.1;0.0;0.0;0.0;0.0;0.0;0.0;0.0;0.0;0.0;0
AlarmGateway_001.Alarm.User2[]	1132.1;1132.1;0.0;0.0;0.0;0.0;0.0;0.0;0.0;0.0;0.0;0
AlarmGateway 001.Alarm.User3[]	Test-132 2012.07.23. 12:55:28.642A: Test-132 2012.07.23. 12:55:28.642A; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
AlarmGateway_001.Alarm.UserID[]	10;10;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0
AlarmGateway_001.AlarmDeleteAlarmStringID	0
AlarmGateway_001.AlarmIDList[]	4;5;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0

Exposed attributes

Alarm.Name

dataType: string array

Description: Exposed alarm name

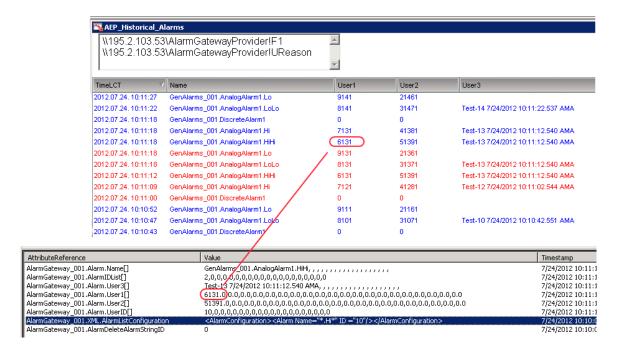


Alarm.User1

dataType: string array

Array size: is defined in editor **Exposed_Alarm_Fields_Arrays_Size** attribute.

Description: Exposes Alarm field User1

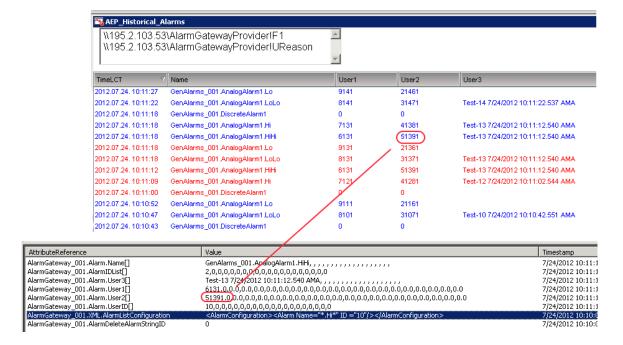


Alarm.User2

dataType: float array

Array size: is defined in editor **Exposed_Alarm_Fields_Arrays_Size** attribute.

Description: Exposes Alarm field User2

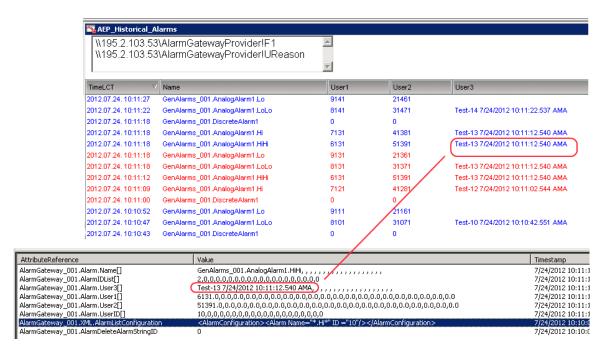


Alarm.User3

dataType: float array

Array size: is defined in editor attribute **Exposed_Alarm_Fields_Arrays_Size** attribute.

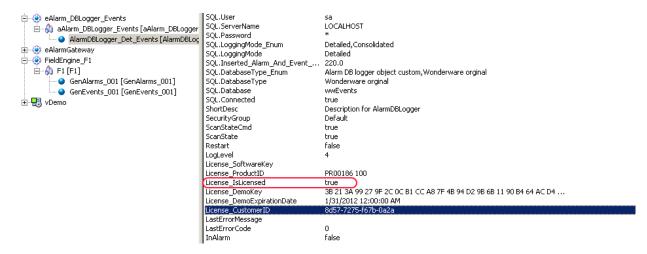
Description: Exposes Alarm field User3



Troubleshooting

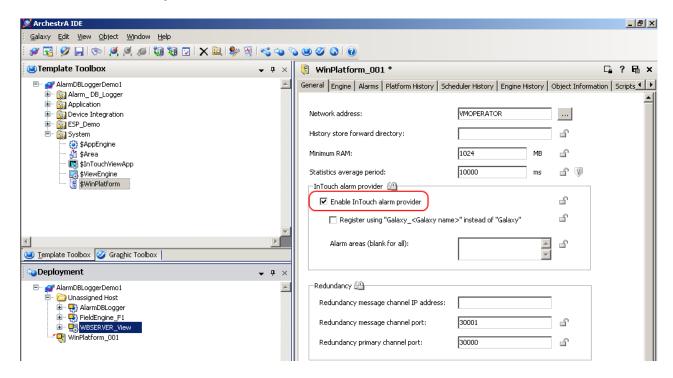
Here are common issues that may occur while using Alarm gateway object and solutions.

- 1) No alarms from Alarm Provider (WinPlatform) for Alarm Gateway.
 - a) check is valid Demo or full license installed for Alarm Gateway is Attribute
 (License_IsLicensed = true) in Object Viewer:



See section **Licensing requirements** for details about object licensing.

b) check if WinPlatform object has enabled alarming - option **Enable InTouch** alarm provider is checked.



c) if alarms are checked and alarms are displayed in any Wonderware alarm display from Platform directly, check Alarm Gateway consumer settings in Object Viewer,

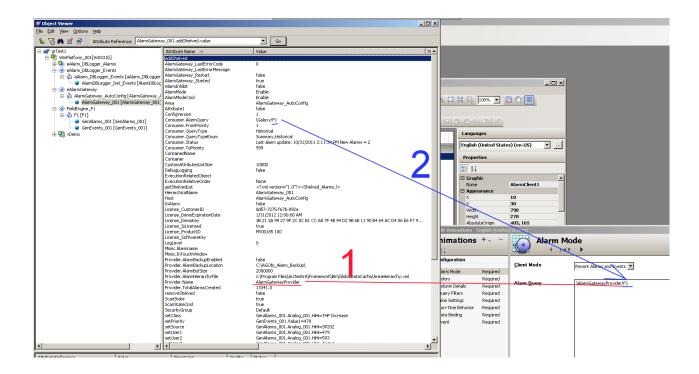
is correct **alarm query**, **FromPriority**, **ToPriority** set (must be the same as in Wonderware alarm controls):



- 2) Alarms are coming to Alarm Gateway, but no alarms displayed in alarm controls that are connected to alarm gateway
 - a) check are Wonderware alarm controls configured properly for Alarm gateway:

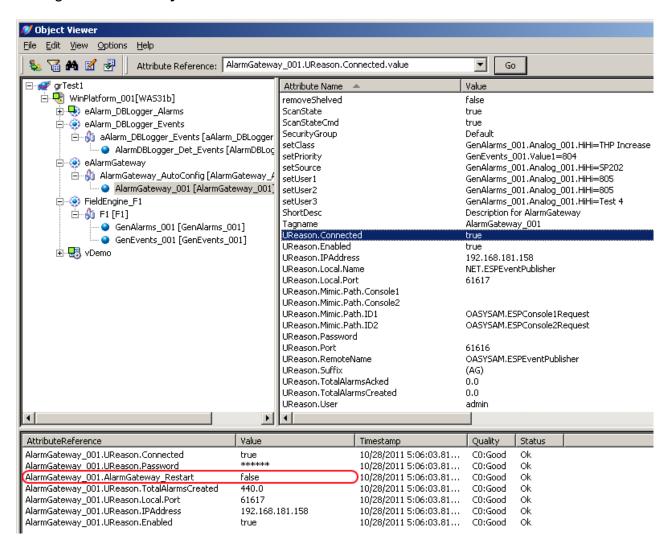
Is Alarm provider name configured properly (1 red in picture below) in Alarm control (**AlarmGatewayProvider**)

Is Alarm Areas configured properly in Alarm control must be the same as in property Consumer. Alarm Auery **F1** (2 blue in picture below).



- 3) Alarms are displayed into Wonderware alarm controls, but no alarms in UReason alarms system.
 - a) check is UReason alarms system configured properly in Alarm Gateway check:
 - UReason.IPAddress attribute is correct UReason server ID address entered.
 - UReason.Local.Port attribute is correct port for UReason server entered.
 - **UReason.User** attribute **–** is correct UReason user entered.
 - UReason.password attribute is correct UReason password entered.

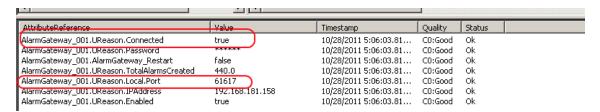
Note: if UReason seeting are changed is needed to restart Alarm Gateway by setting **AlarmGateway_Restart** attribute to **true**.



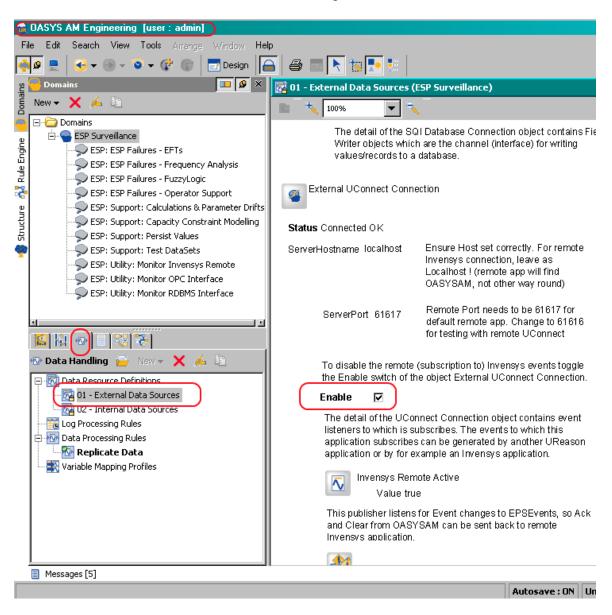
b) If alarms are created for UReason in Alarm gateway side =
 UReason.Connected = true attribute and UReason.TotalAlarmsCreated

 > 0 attribute.

and still no alarms in UReason alarming in system.



Is reconnected to restart connection from Wonderware alarm system from UReason alarms side in UReason console go to tab **Data handling** -> **External Data Sources** and uncheck Enable wait for ~3 sec and check again.

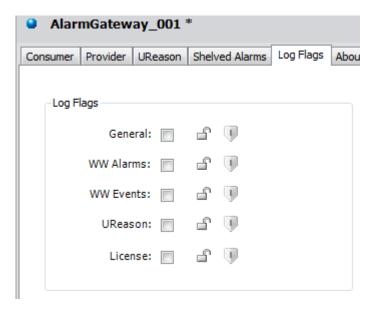


Advanced Troubleshooting

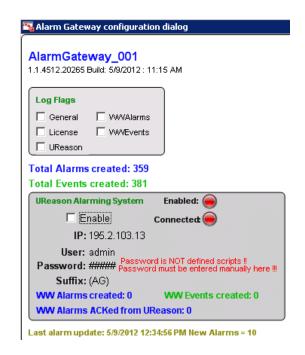
For advanced troubleshooting there are possible to set Log Flags - following log flags are available:

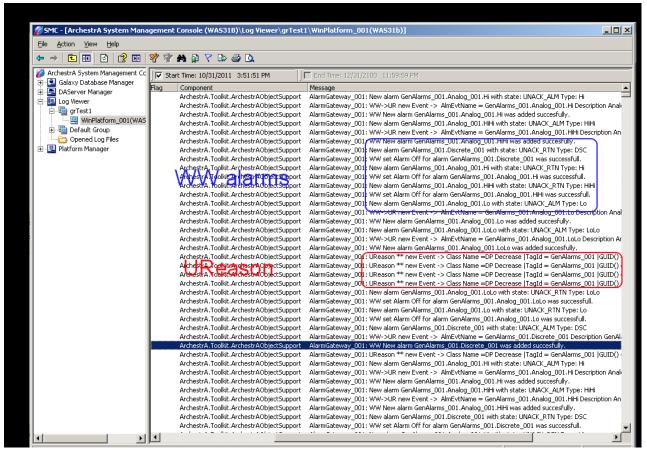
- General (attribute LogFlag.General) logs general logic diagnostic messages to SMC Logger.
- 2. WW Alarms (attribute LogFlag.WWAlarms) logs Wonderware alarms logic diagnostic messages to SMC Logger.
- 3. WW Events (attribute LogFlag.WWEvents) logs Wonderware event logic diagnostic messages to SMC Logger.
- 4. UReason (attribute LogFlags.UReason) logs UReason logic diagnostic messages to SMC Logger.
- 5. License (attribute LogFlags.License) logs licensing logic diagnostic messages to SMC Logger.

Log flags are possible to configure in object editor:



Log flags is possible also configure in runtime - see ArchestrA symbol **Alarm_Gateway_Details** from Klinkmann software demo:





Object upgrade procedure

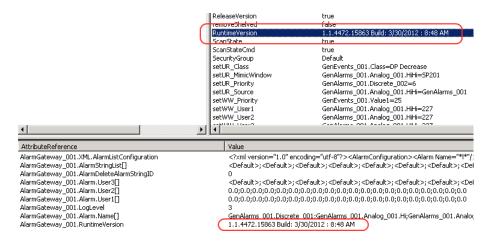
- 1) Open ArchestrA IDE and import new version of Alarm Gateway object.
- 2) Object state is changed to "Require software update".



- 3) Deploy object host platform to install software update.
- 4) Check upgraded object configuration version go to object editor and open about tab:



5) Check object runtime version by reading **RuntimeVersion** attribute value:



- 6) If configtime and runtime version numbers are equal and version numbers are correct versions (latest not previous object version numbers) the object import was successful.
- 7) If update is now successful before contacting technical support try following action:

Undeploy objects hosting platform and restart PC on that Alarm Gateway platform is installed after restart deploy objects and check version again.

WONDERWARE FINLAND Alarm Gateway Object Revision History

Jun 2011	Rev 1.0	First Release
Jun 2011	Rev 1.1	Alarm Group Hierarchy XML "Associated Attribute" and "Description" changed
Sep 2011	Rev 1.2	"Custom attributes" and "UReason gateway" added.
Sep 2011	Rev 1.3	"Custom attributes" for "UReason gateway" added. Mimic windows functionality added.
Oct 2011	Rev 1.4	"Installing the Alarm Gateway Object" section modified. "Troubleshooting" and "Object upgrade procedure" sections added.
Mar 2012 Jul 2012	Rev 1.5 Rev 1.6	Exposed Alarm field feature added. Exposed attributes section updated.