

Configuring Exaquantum/ORM To Include Alarms & Events

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Chapter 1 Introduction

This Guide will describe configuring Exaquantum/ORM to Include Alarms & Events.

ORM with Alarms & Events is only available as a Patch and is not part of the standard Exaquantum ORM installation.

1.1 Audience

This guide is intended for system integrators and administrators.

Chapter 2 Configuring Exaquantum/ORM With Alarms and Events

This guide should be used in conjunction with the documents listed at the end of this guide.

The example below lists the content and syntax needed to configure ORM to include A&E

2.1 Example ORM.config file (Including A and E)

```
<?xml version="1.0" encoding="utf-8"?>

<configuration>
<OPCGateways>

    <!-- Example DA Gateway with all optional parameters configured /-->

        <OPCGateway name="ORMGateway1" switchovertime="Warm" pollperiod="30"
hdanumberofitems="100" tracemessagelogging="0">

<Server1 name="STN0240"/>
<Server2 name="STN0241"/>

    </OPCGateway>

    <!-- Example AE Gateway with all optional parameters configured /-->

        <OPCGateway name="ORMGateway1AE" switchovertime="Warm" aepollperiod="1000"
aeprogid="Yokogawa.ExaopcAECS1" haeprogid="Yokogawa.ExaopcHDACS1" logfilescount="6"
statustimeout="1000" >

<Server1 name="STN0240"/>
<Server2 name="STN0241"/>

    </OPCGateway>

    <!-- Example DA Gateway with all optional parameters configured /-->

        <OPCGateway name="ORMGateway2" switchovertime="Warm" pollperiod="30"
hdanumberofitems="100" tracemessagelogging="0">

<Server1 name="STN0253"/>
<Server2 name="STN0254"/>

    </OPCGateway>

</OPCGateways>
</configuration>
```

2.2 OPC Gateways Configuration

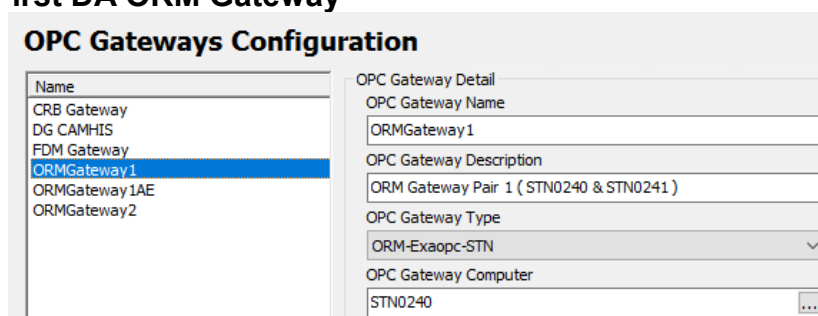
Gateway configuration when using ORM differs slightly when A & E is required to be included as part of the configuration and the differences are detailed below.

When using DA the OPC Gateway Computer needs to be as described below :
The **Master** Station of each OPC Pair

When using AE the OPC Gateway Computer needs to be as described below :
The **Exaquantum** Computer Name

Therefore using the information from the '**ORM.config**' file, the settings would be as below

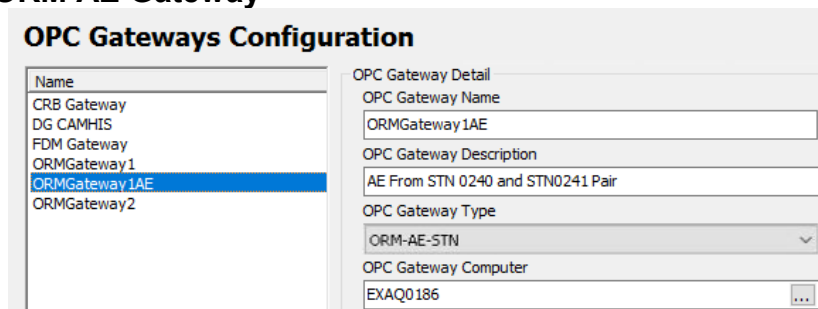
2.2.1 First DA ORM Gateway



The screenshot shows the 'OPC Gateways Configuration' window. On the left, a list of gateway names includes 'ORMGateway1' which is selected. On the right, the 'OPC Gateway Detail' section shows the following configuration: 'OPC Gateway Name' is 'ORMGateway1', 'OPC Gateway Description' is 'ORM Gateway Pair 1 (STN0240 & STN0241)', 'OPC Gateway Type' is 'ORM-Exaopc-STN', and 'OPC Gateway Computer' is 'STN0240'.

STN0240 = OPC Pair 1 (Master)

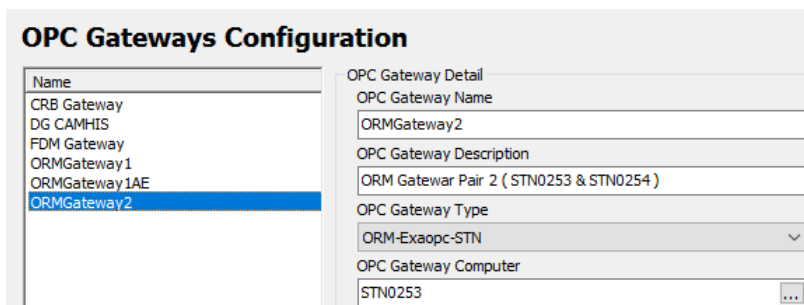
2.2.2 ORM AE Gateway



The screenshot shows the 'OPC Gateways Configuration' window. On the left, a list of gateway names includes 'ORMGateway1AE' which is selected. On the right, the 'OPC Gateway Detail' section shows the following configuration: 'OPC Gateway Name' is 'ORMGateway1AE', 'OPC Gateway Description' is 'AE From STN 0240 and STN0241 Pair', 'OPC Gateway Type' is 'ORM-AE-STN', and 'OPC Gateway Computer' is 'EXAQ0186'.

EXAQ0186 = Exaquantum Computer Name

2.2.3 Second DA ORM Gateway



STN0253 = OPC Pair 2 (Master)

2.3 Duplicated OPC Server Type and Host Name

If you attempt to create two OPC Gateways using the same OPC Server Type and Host Name, then a Dialogue box will be displayed (Similar to Below).



If you select **Yes**, then there may be problems when attempting to access the existing Gateway Configuration that uses the same OPC Server Type and Host Name.

Therefore, although allowed, duplicate configuration should be avoided.

If you select **No**, then you will return to the OPC Gateway Configuration page, where you can amend the information or press **Cancel** to remove the information.

Chapter 3 Further Reading

Further detailed information can be found within the following documentation

ORM Release Notes	IM 36J40G30-01EN
ORM Installation Guide and User Manual	IM 36J40G31-01EN
ORM A&E Product Patch Summary	PS ORM_3200_001

If you have any questions about this guide, then please contact support@ymx.yokogawa.com

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Highlights

The Highlights section gives details of the changes made since the previous issue of this document.

- **Summary of Changes**

This is Issue 1.0 of the document related to Product Library version 10.0

- **Detail of Changes**

The changes are as follows:

Chapter/Section/Page	Change