

Configuring ExaOPC CAMS DA OPC Server Type for use with Exaquantum/ORM

KB-1106-23

Document Summary	
Article Type	User Guide
Products Affected	Exaquantum/ORM
Versions Affected	All
Function Affected	HDA Data Reception from EXAOPC CAMS OPC server
Available Resolution	Detailed in this document.
Audience	System Integrators and Administrators
Summary	<p>Exaquantum/ORM does not provide an OPC DA Server type for ExaOPC CAMS by default.</p> <p>This document provides the steps required to configure a CAMS OPC DA Server Type for Exaquantum ORM.</p>
Review Date	Document to be reviewed before March 2024

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Chapter 1 Introduction

Exaquantum/ORM does not provide an OPC DA Server type for ExaOPC CAMS by default.

This document provides the necessary steps to configure a new OPC DA Server Type for EXAOPC CAMS for use with Exaquantum/ORM.

1.1 Audience

This guide is intended for system integrators and administrators.

Chapter 2 Configuring an ExaOPC DA CAMS OPC Server Type for use with Exaquantum/ORM

2.1 Overview

Exaquantum provides the “OPC Server Type Wizard” tool located under Developer Tools in the Exaquantum installation directory. It facilitates the creation, deletion, or modification of an OPC Server Type.

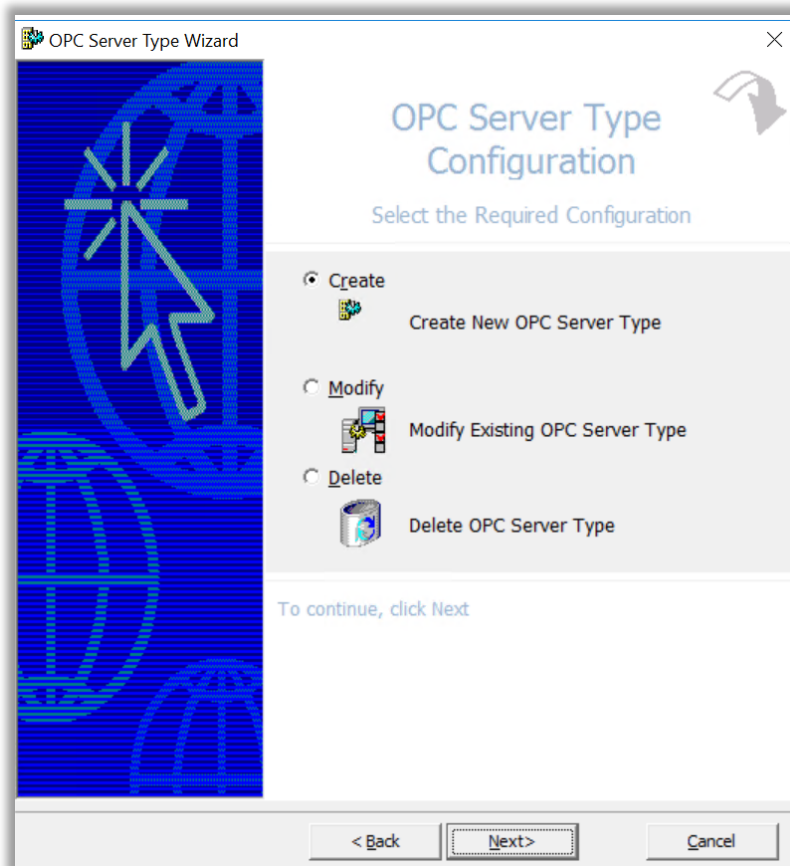
Running the tool and pressing the “Next>” button on the welcome screen, the options to Create, Modify and Delete are presented.

“Create”, allows the creation of a new OPC Server type. This will be the desirable option for creating the new ExaOPC DA CAMS OPC Server Type for use with Exaquantum/ORM.

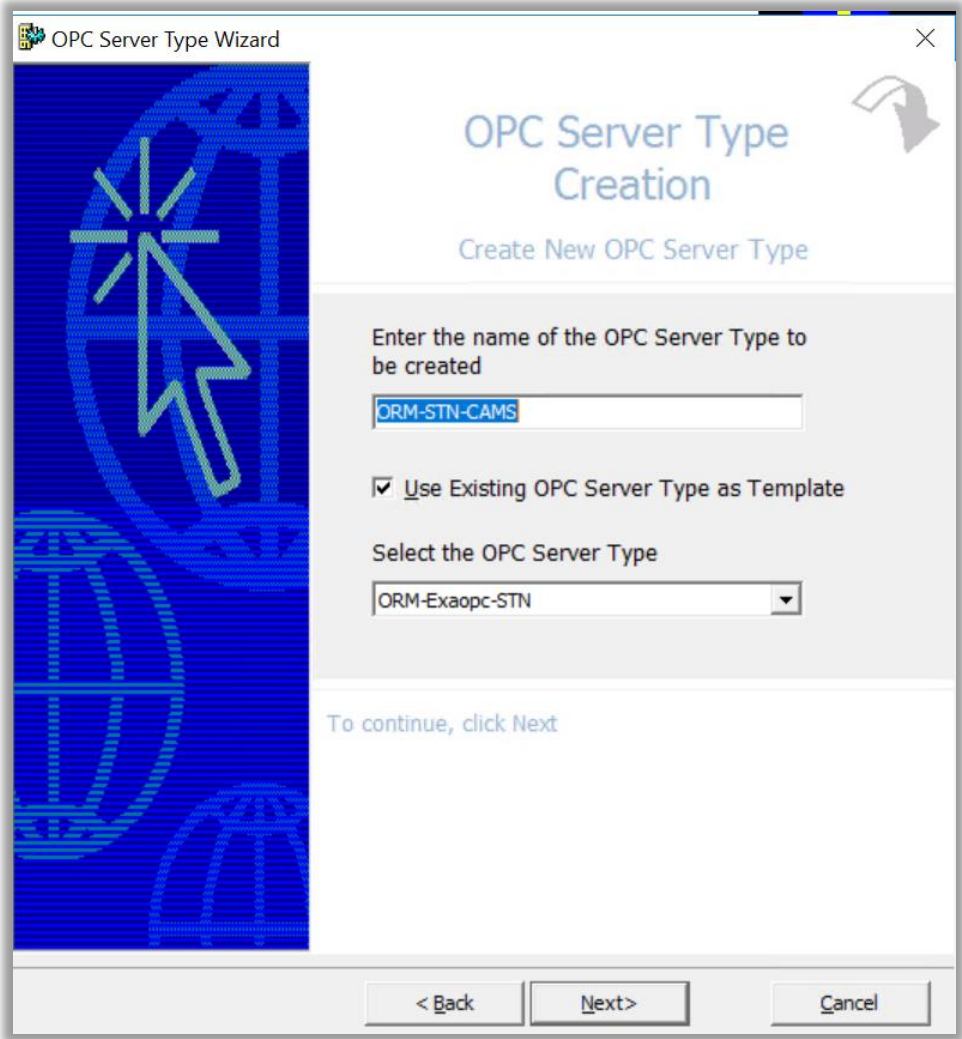
“Modify”, allows the modification of an existing OPC Server type and “Delete”, it’s deletion if no associations to it exist.

2.2 Create the new OPC DA Server Type

1. Start up the OPC Server Type Wizard and press the “Next>” button on the welcome screen.



2. Select the Create Option and press the “Next>” button.
3. Enter the name of the new OPC Server type. In this case: ORM-STN-CAMS
4. Select the “Use Existing OPC Server Type as Template” option.
5. Select “ORM-Exaopc-STN” as the OPC Server Type from the drop-down list and press the “Next>” button.



- 6. The configuration settings of the new OPC Server Type “ORM-STN-CAMS”, based on the “ORM-ExaOPC-STN” OPC Server Type will appear in the next dialog.

The screenshot shows the 'OPC Server Type Wizard' dialog box. At the top, it says 'Add/Modify the settings as required' and includes a note: 'Note that the following fields are mandatory and must be attended: OPC-DA Manager ProgID, Max Groups, Max Items, Max Items per Group, Max Notification Rate.' The main area contains a list of settings:

OPC Server Type Name		ORM-STN-CAMS
OPC - DA Manager ProgID		QORM.DAManager.1
OPC - DA Server ProgID	<input checked="" type="checkbox"/> Supported	Yokogawa.ExaopcDACS1
OPC - HDA Server ProgID	<input checked="" type="checkbox"/> Supported	Yokogawa.ExaopchDACS1
OPC - AE Server ProgID	<input type="checkbox"/> Supported	
OPC - HAE Server ProgID	<input type="checkbox"/> Supported	
OPC - Batch ProgID	<input type="checkbox"/> Supported	
OPC Property Access Server ProgID	<input checked="" type="checkbox"/> Supported	QORM.PropertyAccess.1
OPC Property ID for Engineering Ranges		100
OPC Property ID for High Engineering Range		102
OPC Property ID for Low Engineering Range		103
OPC Property ID for Description		101
Maximum Number of OPC - DA Groups		1000
Maximum Number of OPC - DA Items per Group		10000
Maximum Number of OPC - DA Items		100000
Maximum Notification Rate		2000
Support for OPC Equalization	<input checked="" type="checkbox"/> Supported	

At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a dashed border.

- 7. Change “OPC – HDA Server ProgID” from “Yokogawa.ExaopcHDACS1” to “Yokogawa.ExaopcHDAVPCAMS1” and press the “Next>” button.

OPC Server Type Wizard

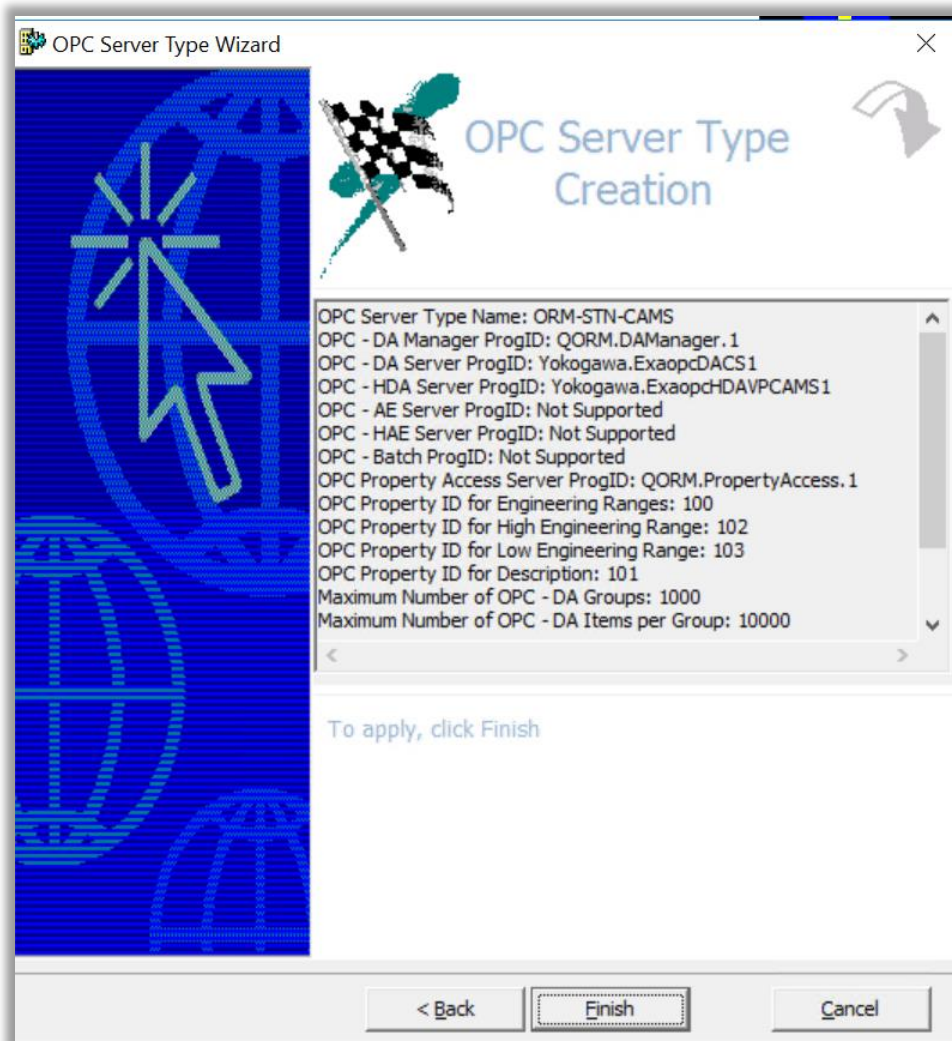
Add/Modify the settings as required

Note that the following fields are mandatory and must be attended: OPC-DA Manager ProgID, Max Groups, Max Items, Max Items per Group, Max Notification Rate.

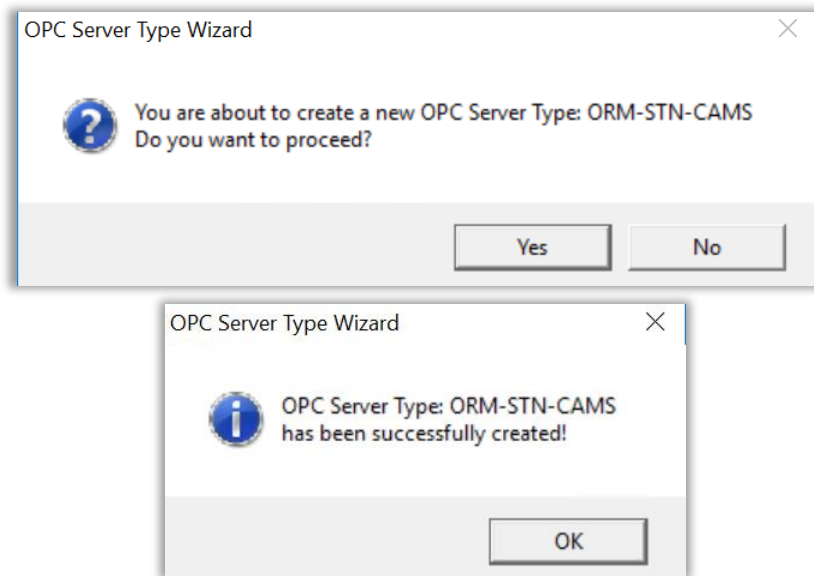
OPC Server Type Name		ORM-STN-CAMS
OPC - DA Manager ProgID		QORM.DAManager.1
OPC - DA Server ProgID	<input checked="" type="checkbox"/> Supported	Yokogawa.ExaopcDACS1
OPC - HDA Server ProgID	<input checked="" type="checkbox"/> Supported	Yokogawa.ExaopcHDAVPCAMS1
OPC - AE Server ProgID	<input type="checkbox"/> Supported	
OPC - HAE Server ProgID	<input type="checkbox"/> Supported	
OPC - Batch ProgID	<input type="checkbox"/> Supported	
OPC Property Access Server ProgID	<input checked="" type="checkbox"/> Supported	QORM.PropertyAccess.1
OPC Property ID for Engineering Ranges		100
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OPC Property ID for Description		101
Maximum Number of OPC - DA Groups		1000
Maximum Number of OPC - DA Items per Group		10000
Maximum Number of OPC - DA Items		100000
Maximum Notification Rate		2000
Support for OPC Equalization	<input checked="" type="checkbox"/> Supported	

< Back Next > Cancel

8. On the summary dialog press the “Finish” button.



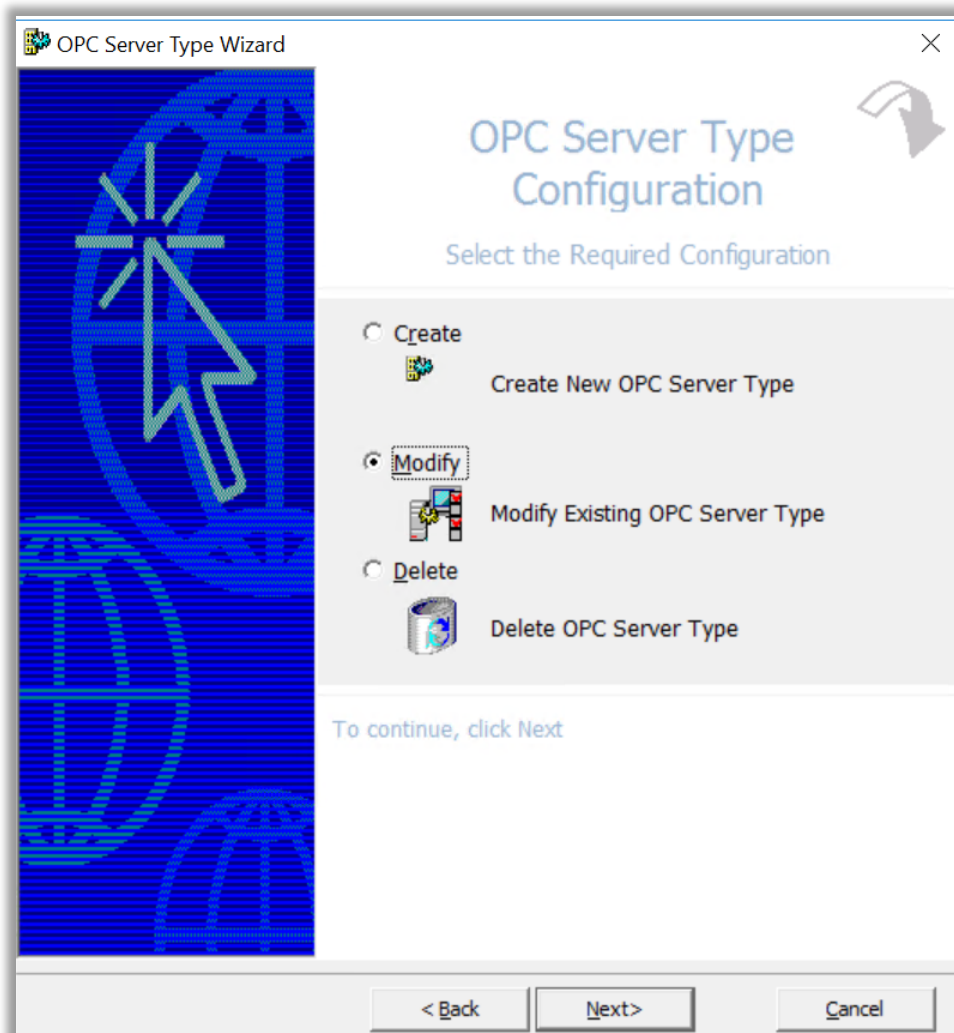
9. Follow the prompts to confirm successful creation and Exit the OPC Server Type Wizard tool.



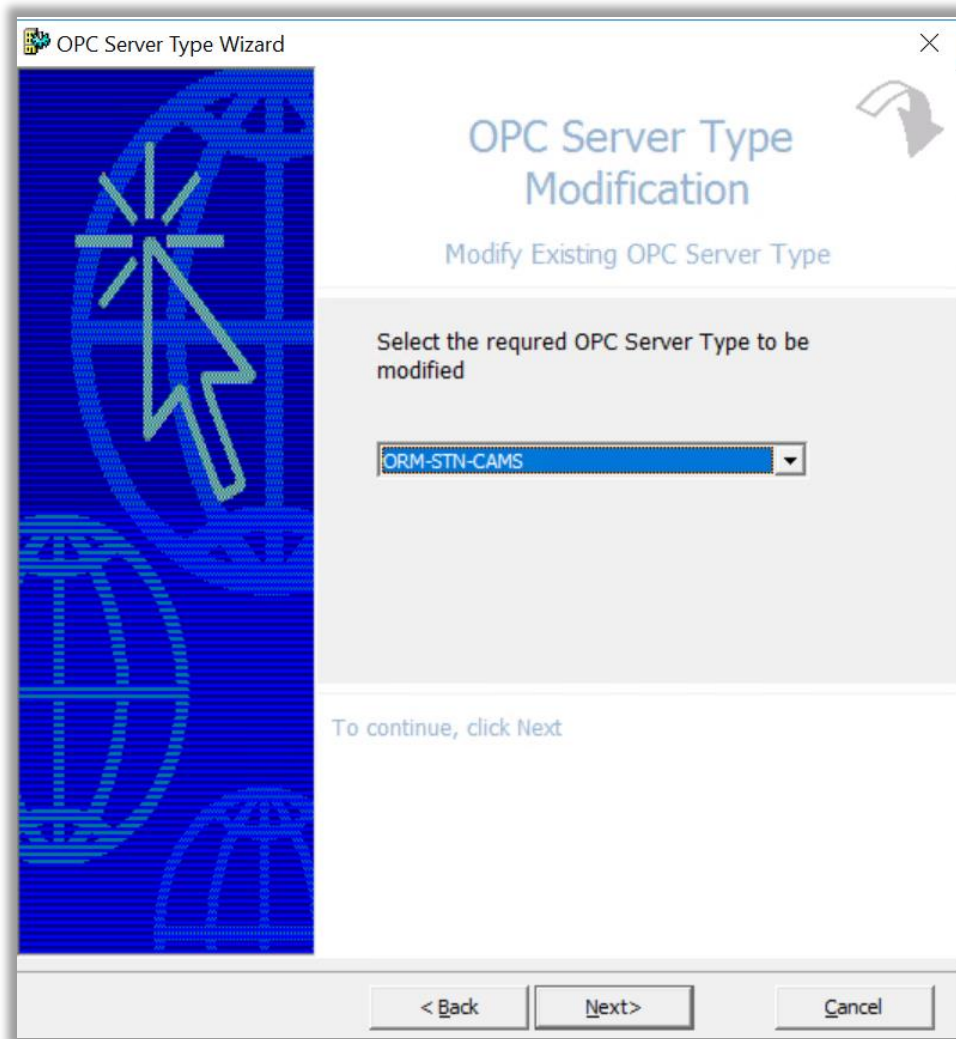
10. Restart the Exaquantum services to enable the new OPC Server Type.

2.3 Verify the new OPC DA Server Type

1. Start up the OPC Server Type Wizard and press the “Next>” button on the welcome screen.
2. Select the Modify Option and press the “Next>” button.



3. Select the previously added ORM-STN-CAMS OPC Server Type from the drop-down list.



4. Review the settings for correctness and press the “Cancel” button to exit the tool.

Field Name	Value
OPC Server Type Name	ORM-STN-CAMS
OPC - DA Manager ProgID	QORM.DAManager.1
OPC - DA Server ProgID	<input checked="" type="checkbox"/> Supported Yokogawa.ExaopcDACS1
OPC - HDA Server ProgID	<input checked="" type="checkbox"/> Supported Yokogawa.ExaopchDAVPCAMS1
OPC - AE Server ProgID	<input type="checkbox"/> Supported
OPC - HAE Server ProgID	<input type="checkbox"/> Supported
OPC - Batch ProgID	<input type="checkbox"/> Supported
OPC Property Access Server ProgID	<input checked="" type="checkbox"/> Supported QORM.PropertyAccess.1
OPC Property ID for Engineering Ranges	100
OPC Property ID for High Engineering Range	102
OPC Property ID for Low Engineering Range	103
OPC Property ID for Description	101
Maximum Number of OPC - DA Groups	1000
Maximum Number of OPC - DA Items per Group	10000
Maximum Number of OPC - DA Items	100000
Maximum Notification Rate	2000
Support for OPC Equalization	<input checked="" type="checkbox"/> Supported

Chapter 3 Further Reading

Please refer to the following link for more information on Exaquantum/ORM

- [IM 36J40G31-01EN](#) ORM Installation Guide and User Manual

More support is available at www.ymx.yokogawa.com/support or from support.ymx@yokogawa.com email address.

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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 1.0.

- **Detail of Changes**

The changes are as follows:

Chapter/Section/Page	Change