Knowledge Base

Exaquantum

Reinstating CLR Stored Procedure Permissions after Applying P3200_002 without Running the IT Security Setting Tool

KB-0049-22

Document Summary	
Article Type	User Guide
Products Affected	Exaquantum/PIMS
Versions Affected	R3.20
Function Affected	Exaquantum CLR Stored Procedures (QData, QAEData and QTrendData)
Available Resolution	N/A
Audience	Administrators
Summary	Any CLR Stored Procedure updates including P3200_002, strip the CLR stored procedures permissions requiring the IT Security Setting Tool to be re-run to re-instate them. This document describes the process of reinstating the CLR stored procedure permissions without running the IT Security Setting Tool and thus avoiding a server restart.
Review Date	Document to be reviewed before July 2024

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Chapter 1 Introduction

This document provides the necessary steps for reinstating the permissions to the CLR stored procedures after applying P3200_002 without the need to run the IT Security Setting Tool as suggested by the P3200_002 installation instructions and thus avoiding a server restart.

This is applicable on R3.20 Exaquantum systems.

1.1 Audience

This guide is intended for system administrators.

Chapter 2 Reinstating CLR Stored Procedure permissions

2.1 Overview

- As part of any CLR procedure update, including patch P3200_002, the CLR stored procedures are dropped and re-instated without preserving their permissions.
- Reinstating the permissions without the need to run the IT Security Setting Tool or restart Exaquantum or the server.

2.2 Effect of P3200_002 on CLR procedures

The installation of P3200_002 strips the permissions from all three CLR Stored Procedures (QData, QAEData and QTrendData) residing in the QConfig database as shown in the below example for QTrendData.
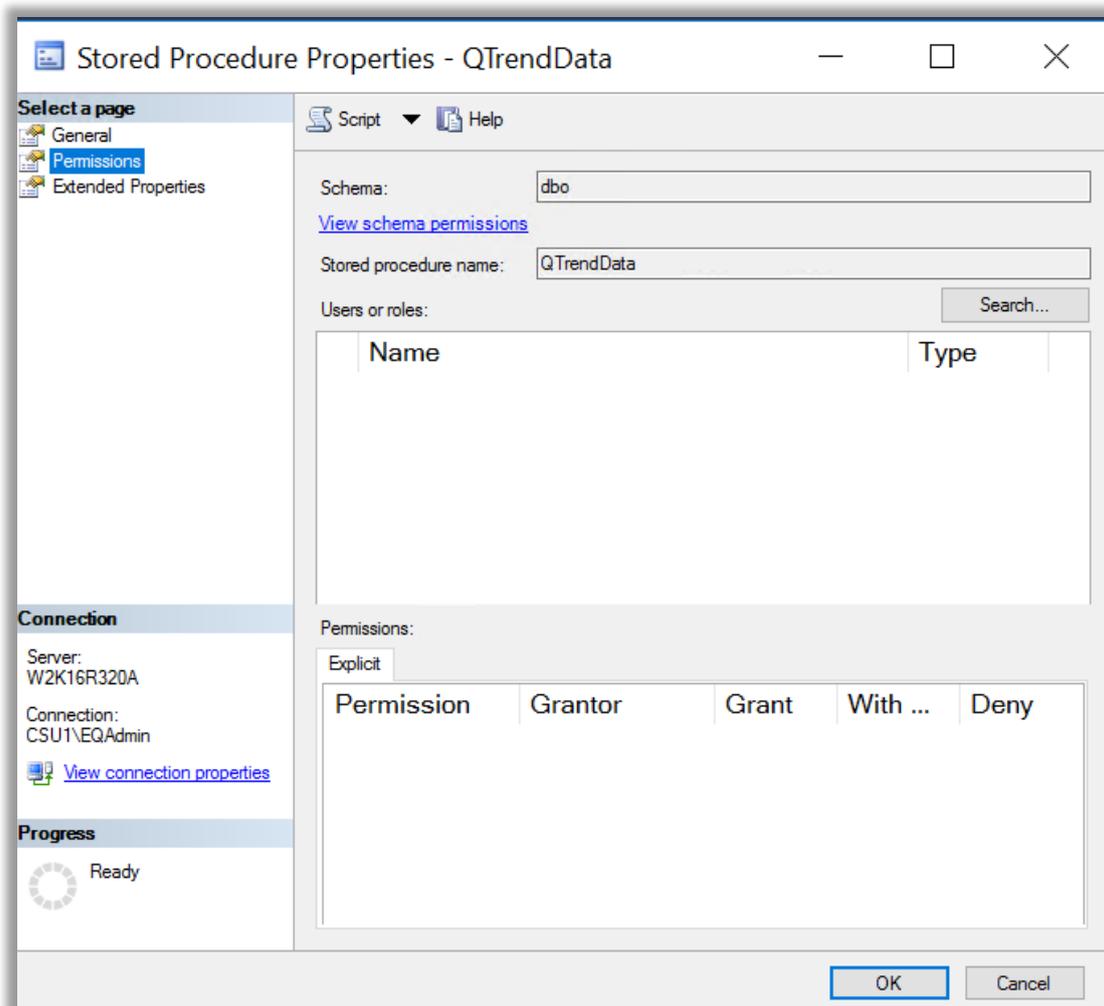
2.3 Reinstating the permissions

To reinstate the permissions, follow the procedure detailed here.

1. Start SQL Server Management Studio.

2. Navigate to "Databases"->"QConfig"->"Programmability"->"Stored Procedures".

3. Right mouse-click on the Stored Procedure of Interest (in this case QTrendData) and select "Properties".

4. On the Properties dialog select the "Permissions" page.
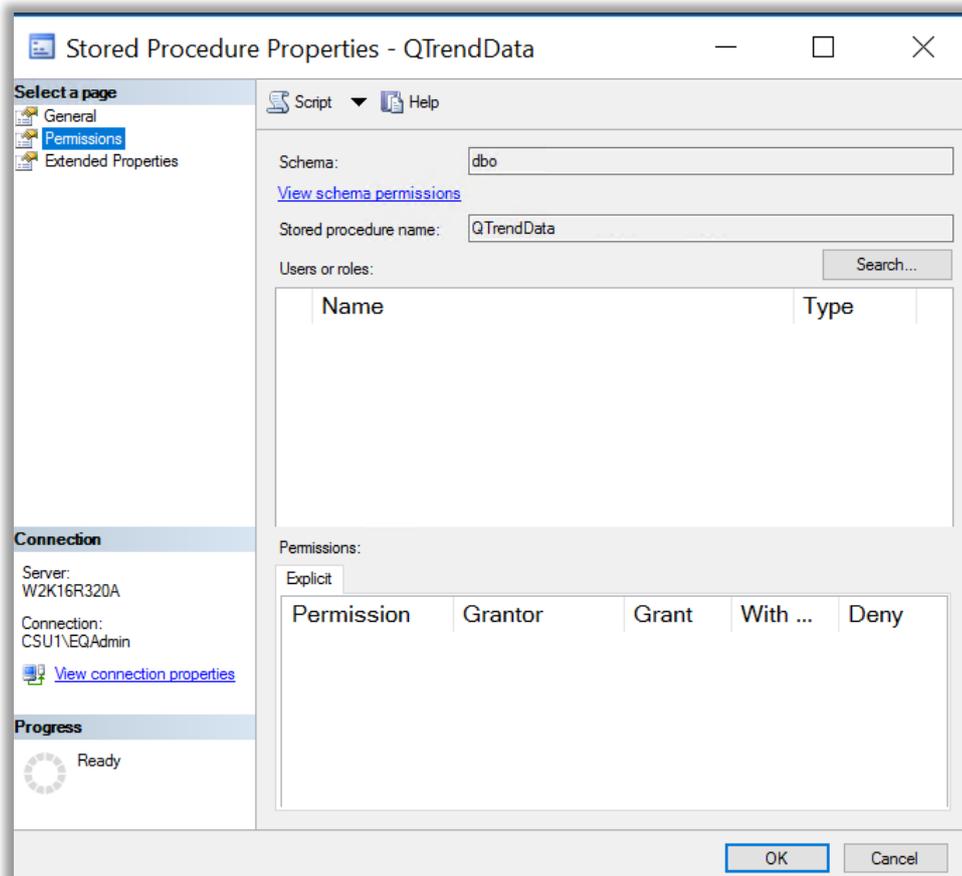
5. Press the "Search" button.
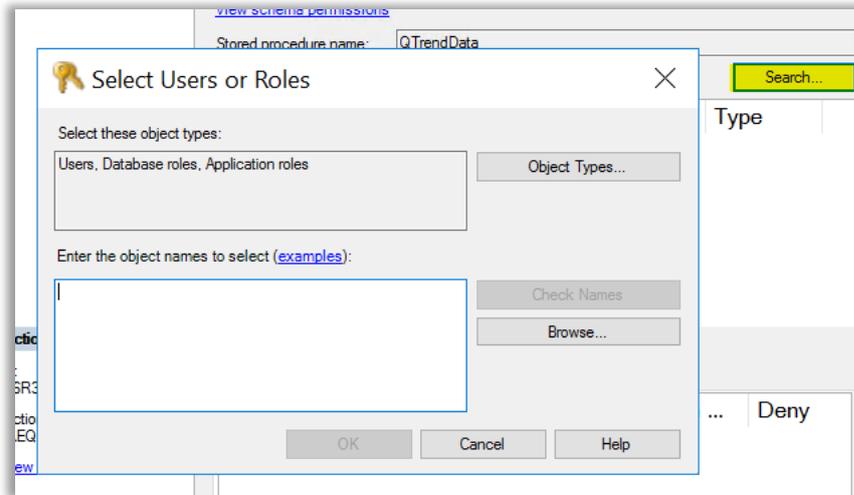
6. Press the "Browse" button and select the applicable user groups.
    For Legacy:
    > <Local Server>\QUserGroup

    For Standard Standalone:
    > <Local Server>\QTM_DATA_READ
    > <Local Server>\QTM_MAINTENANCE

    For Standard Domain
    > <Domain>\QTM_DATA_READ
    > <Domain>\QTM_MAINTENANCE
    > <Local Server>\QTM_MAINTENANCE_LCL
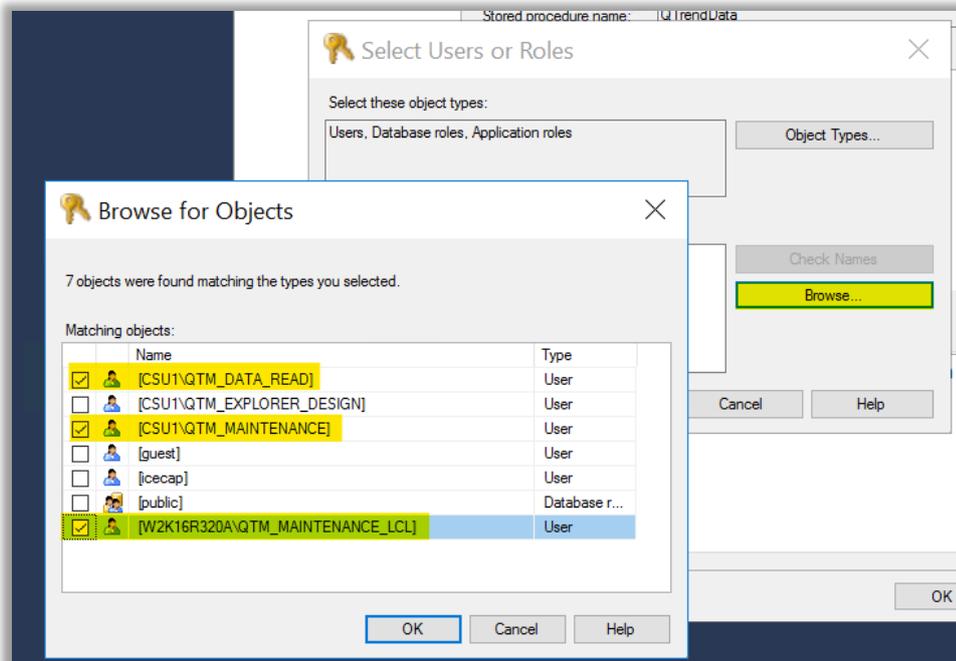
7. Press the "OK" button on the "Browse for Objects" and "Select Users or Roles" dialogs.

8. Select each group in turn and Grant the Execute permission as shown below.
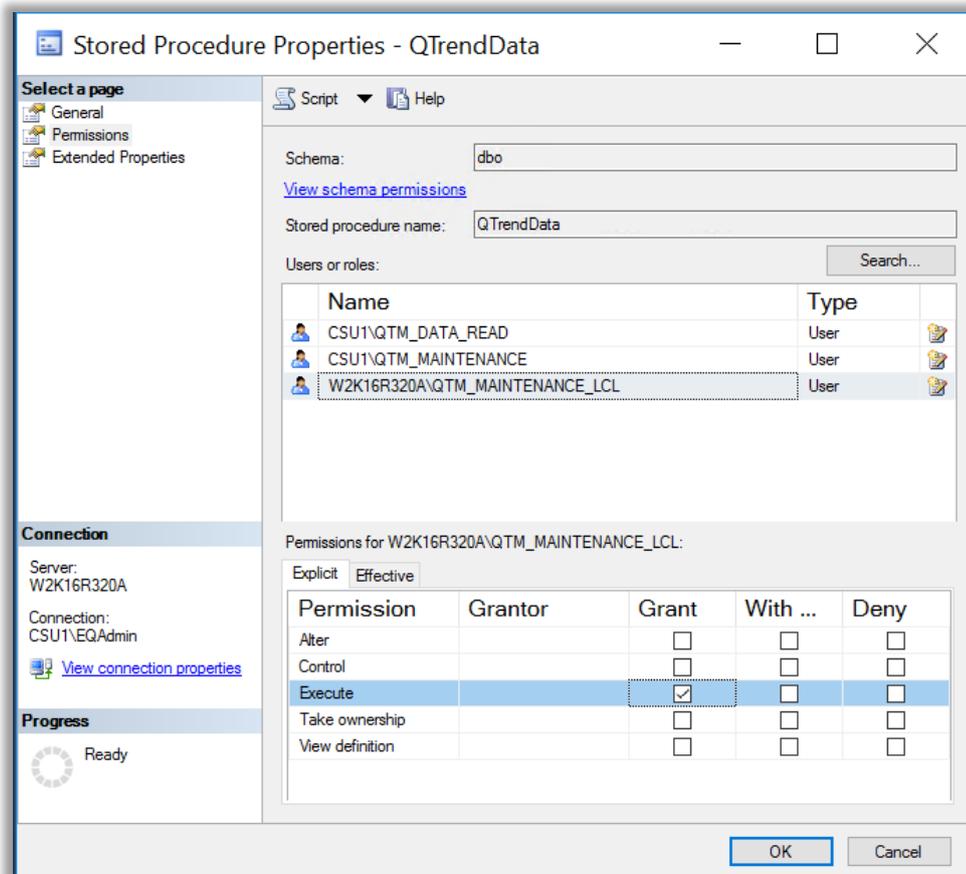
9. Press the "OK" button to apply the changes. The "Stored Procedure Properties" dialog will close.

10. Right mouse click on the Stored Procedure again, select "Properties" and then the "Permissions" page. Verify that the Execute permission has been granted to each User Group.

11. Repeat steps 3 to 10 for QData and QAEData Stored Procedures.

12. Close SQL Server Management Studio.

Chapter 3 Further Reading

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 2.0 of the document related to Product Library version 2.0.

- ## Detail of Changes

The changes are as follows:

Chapter/Section/Page	Change
Front page	Review Date updated
Page 7	Email address updated