Knowledge

Base



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			
	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.			
Gummary	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.

Stored Procedure Properties - QTrendData − □ ×						
Select a page	🔄 Script 🔻 🛐 Help					
Extended Properties	Schema: <u>View schema permissions</u> Stored procedure name: Users or roles: Name	dbo QTrendData			Se Туре	earch
Connection	Permissions:					
Server: W2K16R320A	Explicit		1			1
Connection: CSU1\EQAdmin View connection properties Progress	Permission	Grantor	Grant	With .	De	eny
C Ready				OK		Cancel

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.

\blacksquare Stored Procedure Properties - QTrendData $ \Box$ \times					
Select a page	🔄 Script 🔻 🛐 Help				
 Permissions Extended Properties 	Schema: <u>View schema permission</u> Stored procedure name: Users or roles: Name	g (dbo g (QTrendData		Ту	Search
Connection	Permissions:				
Server: W2K16R320A	Explicit				
Connection: CSU1\EQAdmin 관 <u>View connection properties</u>	Permission	Grantor	Grant	With	Deny
Progress Ready					
				ОК	Cancel

5. Press the "Search" button.

_	view scheme permissions	
	Stored procedure name: QTrendData	1
	Relect Users or Roles ×	Search
	Select these object types:	Туре
	Users, Database roles, Application roles Object Types	
	Enter the object names to select (<u>examples</u>):	
	Check Names	
ctic	Browse	
oria		Deny
EQ	OK Cancel Help	
ew		J

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

	St	ored procedure name: IQ	IrendUata	
	<table-of-contents> Select Users o</table-of-contents>	or Roles		>
	Select these object types:			
	Users, Database roles, App	lication roles	Object Typ	es
Rowse for Objects		×		
			Check Na	
7 objects were found matching the type	s you selected.		Browse	1100
Matching altraction			Diowse	
Matching objects:		Type		
	01	User		
CSU1\QTM EXPLORER	DESIGN]	User	Cancel	Help
CSU1\QTM_MAINTENAM	ICE]	User		
[guest]		User		
🗌 🤱 [icecap]		User		
🔲 👧 [public]		Database r		
🔽 🔝 [W2K16R320A\QTM_MAI	NTENANCE_LCL]	User		
	OK	Cancel Help		

- 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.

🖻 Stored Procedure Properties - QTrendData 🛛 🗆 🗙						
Select a page	🔄 Script 🔻 🛐 Help					
 Permissions Extended Properties 	Schema: <u>View schema permission</u>	dbo				
	Stored procedure name:	QTrendData				
	Users or roles:				Sea	arch
	Name				Туре	
	👃 CSU1\QTM_DATA	_READ			User	2
	💧 CSU1\QTM_MAIN	TENANCE			User	2
	W2K16R320A\QT	M_MAINTENANCE_LCL	-		User	2
Connection	Permissions for W2K16R3	20A\QTM_MAINTENA	NCE_LCL:			
Server: W2K16R320A	Explicit Effective					
Connection:	Permission	Grantor	Grant	With	De	ny
CSU1\EQAdmin	Alter					
View connection properties	Control					
	Execute					
Progress	Take ownership					
Ready	View definition					
				ОК	0	ancel

- 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. or from www.ymx.yokogawa.com/support. or from support. or from support. or from support. or from support. or from www.ymx.yokogawa.com/suppo

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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