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Advantech AE Technical Share Document

Date	2018/1/23	SR#	1-3664448274
Category	■FAQ □SOP	Related OS	N/A
Abstract	How to configure OPCUA	server in Edgelin	k Studio without security policy
Keyword	OPCUA		
Related			
Product	ADAIVI-3000, ECU-1152, I	200-1251	

Problem Description:

This document shows step to step to configure OPCUA server in Edgelink Studio without security policy.

Answer:

Project Help		
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Create Open Close Save Pro Project Project Project Dov	oject Export To Show Tag Import tags Export tags Device vnload SD Card Count from Excel to Excel Model	
Project 4	Deploy 🔺 Option 🖌	
Project Configuration	« OPC UA(NewNode)* ×	
	Apply 🗙 Discard	
Data Center	General Setting Security Policy	
Data Storage Service	Enable OPC UA Service	
M Modbus Server	Port: 4840 Max Client: 4	
D DNP3 Outstation	User Account Control: Anonymous	
	User Name:	
OPC UA	Password:	
🛶 🕼 Event Manager		
Connectivity	Name Type	Description
Cloud	* Double click to edit	
main system		

General Setting:

	General Setting S	ecurity Policy			
ľ	Enable OPC UA Se	ervice			
	Port:	4840		Max Client:	4
	User Account Contro	l: Anonymous	•]	
	User Name:]	
	Password:				

(1) enable : Enable service

(2) port : The range is 1~65535

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(3) User Account Control:

Anonymous : Client connects Anonymously.

Security Policy :

General Setting Set	curity Policy		
Mone 🗹			
Basic128Rsa15	Sign, Sign and Encrypt	Ţ	
Basic256Sha256	Sign, Sign and Encrypt	Ţ	
Ca File Path:			
Key File Path:			
elect Tags:			
General Setting Security Policy			
Enable OPC UA Service			
Port: 4840	Max Client:	4	
User Account Control: Anonymous	•		
User Name:			
Password:			
Name	Тур)e	Description
#SYS_UPTIME	Analog		The current uptime(s)
Double click to edit			

UA_Expert (client)

UA_Expert is a OPCUA client tool. We can use it as an example.

Connect

(1) Click 🖻 , Double click to Add Server , fill in URL opc.tcp://IP:port

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👑 Unified Automation UaExpert - The OPC Unified Architecture Client - NewProject

File View Server Document Settings Help 🖸 🖉 🕞 🙆 💽 🗣 😑 🗴 兴 🖓 📓 🖹 🛸 Project Add Server 🗸 📁 Project Servers Configuration Name Discovery Advanced 📁 Data Access View Endpoint Filter: opc.tcp 🔍 Local 😼 Local Network Interview Microsoft Terminal Services
 Microsoft Windows Network 👳 Web Client Network > Custom Discovery Address Space ₽× 🗣 < Doub e click to Add Server... > Recently Used 💹 Enter URL \times OpcUaServer -Enter the URL of a computer with discovery service running: OpcUaServer OpcUaServer -OK Cancel Authentication Settings Anonymous Log Username 😫 📄 0 Password Store Timestamp Source Certificate 2019/1/24 18:57:09.838 DiscoveryWi DpcUaServer wi 2019/1/24 18:56:40.602 DiscoveryWi ndpoints on opc Private Key 2019/1/24 18:56:40.096 DiscoveryWi ervers on opc.te 2019/1/24 18:56:31.858 UaExpert ly to use. 🔽 Connect Automatically 2019/1/24 18:56:31.845 UaExpert igin (Static Plug 2019/1/24 18:56:31.845 UaExpert OK Cancel gger Plugin (Sta 2019/1/24 18:56:31.845 UaExpert Diagnostic Plugi

3

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Configu	uration Name OpcUaServer - None - None (uatcp-uasc-uabinary)		
Disco	overy Advanced		
Endpo	int Filter: opc.tcp		
~ 	Local Network		~
>	愛 Microsoft Terminal Services		
>	😌 Microsoft Windows Network		
>	😌 Web Client Network		
~ 🛃	Custom Discovery		
	Couble click to Add Server >		
×	Q opc.tcp://10.0.0.129:4840		
	V Z OpeUaServer (ope.tep)		
	✓		
▶ ⊘	GpeUaServer (ope.tep) Secently Used		
~ 🖂	OpeUaServer (ope.tep) Secently Used		
~ ⊘	 OpeUaServer (ope.tep) None - None (uatcp-uasc-uabinary) Recently Used OpeUaServer - Basic128Rsa15 - Sign & Encrypt (uatcp-uasc-uabinary) 		
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Click OK. Then we can subscribe the tags we want to see by dragging to data access view.

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