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Chapter 1

Advantech Studio v6.0

1-1 OPC Server

😳 OPC TechsMod bus30CF	G.mdb - OPCTechsModbus	30CFG				
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AI_02	A] AI 04	No			Input Reg	cister (woj 🔼
A AL 05						
A AI 06	Name: Device1					
AI_07	Address: 1					Simulate
AI_08	-Device Type		Timeouts (ms) —			
AI_09			Read:	1000	Write	1000
AI_10	Custom		Timeouts to	1000	Suspend	1000
			suspend:	3	period:	10000
A AO 03			0-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4			
A AO 04			The numbers be	low indicate	e how much uni	heed
A AO 05			data can be trans	sferred in o	ne message to m	erge
AO_06	Parameters:		together address	es that are c	lose but not adj	acent. —
AO_07	Ideal	_	Bits:	160	Words:	5
AO_08 🗸						
	•					
Ready			40 Object(s)		Mode: Demo	N //

Please create tags according to the Configuration Manual.

Later, click [File] \rightarrow [Make Active] to activate new created configuration file.

🕶 OPCTechsModbus30CFG.mdb - OPCTechsModbus30CFG 📃 🗖 🗙								
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XML Validate <u>M</u> ake Active	Read: 1000 Write: 1000 Timeouts to suspend: 3 Suspend period: 10000]						
<u>1</u> OPCTechsModbus30CFG.mdb <u>2</u> 11.mdb E <u>x</u> it	Optimizations The numbers below indicate how much unused data can be transferred in one message to merge together addresses that are close but not adjacent.							
AO_09 A AO_10 ↓ Ideal	Bits: 160 Words: 5							
Make current database active for using by OPC server	40 Object(s) Mode: Demo	N //						

1-2 Connect OPC Client to OPC Server through Advantech Studio v6.0

Start Advantech Studio v6.0, then click [File] \rightarrow [New] to create a new project

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Open the Project page to define the Location, Configuration file and Target platform.

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Open the [Comm] page in the Workspace



Select [OPC] pressing the right mouse key and select [Insert].

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Description	Notation
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	with.
Disable	Disable the communication
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Percent Deadband	Deadband
Status	Communication Status
Remote Server Name	Remote OPC Server (IP or User Name)

To connect OPC Server tags to SCADA. Move the cursor to the [Tag Name] pressing the mouse right key and select [Insert Tag].

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Select the Tag to be connected with.

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Press the right key on the [Item] space and then select [OPC Browser] to select the OPC Server tags.

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Select the tag you need, then click [OK].

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Press the right key on the [Scan] space to display the pulldown Menu, then select [Always].

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Click [File] \rightarrow [Save] to save the settings as a new file.

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Select [Project] \rightarrow [Status] in OPC Client page.

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Please select [Automatic] and then click [OK].

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