

# **Table of Contents**

Chapter 1	RSView32	3
1-1 Set	up OPC Server	4
1-2 Cor	nnect OPC Client to OPC Server through RSView32	5

# Chapter 1

# **RSView32**

## 1-1 Set up OPC Server

💀 Modbus30CFG.mdb - Modbus30CFG 📃 🗐 🗙				
<u>File E</u> dit <u>V</u> iew <u>G</u> o <u>T</u> ools <u>I</u>	<u>H</u> elp			
🗋 🗅 😂 😽 🚰 🗠 🔿 🖻	🖬 👗 🖻 💼 🐂 🎬 🎹	🚍 🔁 60° 🦉 🕕		
🖃 📲 Address Space 📃	Name 🛆 Simu	ulate 🛛 Simple Tem 🛛 Parameterize 🗍 Location Type 🔷		
⊡ 🖓 Port1	AI_01 No	Input Register (wor		
Device1	AI_02 No	Input Register (word		
AI_01	AI_03 No	Input Register (won		
	AI 04 No	Input Register (won 💌		
		<b></b>		
		<u> </u>		
	<u>N</u> ame: Device1			
AI_07	Address: 1	- Simulate		
AI_08	Device Tame	- Timeoute (me)		
AI_09		Read: 1000 Wivite: 1000		
AI_10	Custom	Timeouts to Suspend		
AO_01		suspend: 3 period: 10000		
		Uptimizations		
A AO 05		data can be transferred in one message to merge		
AO_06	Parameters:	together addresses that are close but not adjacent.		
- AO_07 -	•			
Ready		40 Object(s) Mode: Run NUM		

Please create the tags according to the Configuration Manual.

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

👼 Modbus30CFG.mdb - Modbus30CFG		
<u>File Edit V</u> iew <u>G</u> o <u>T</u> ools <u>H</u> elp		
New Ctrl+N	₽ *** *** 111	🗐 🔁 66' 🤋 OD
Open Ctrl+O	Simula	ate Simple Tem Parameterize Location Type 🔺
Save <u>A</u> s	No	Input Register (won
<u>C</u> onnection Properties	No	Input Register (won
Export (WinCE, Embedded WinNT)	No	Input Register (won
CSV Evport	► No	Input Register (wor
CSV Import		
	Device1	
XML Export		
XML Export Schema	1	<u>∑</u> imulate
XML Import		Timeouts (ms)
XML Validate	-	Read: 1000 Write: 1000
<u>M</u> ake Active		Inneouts to 3 Suspend 10000
1 Modbus30CFG.mdb	_	
2 Database.mdb		Uptimizations The numbers below indicate how much upused
	-	data can be transferred in one message to merge
Exit		together addresses that are close but not adjacent.
▲ AO_07 - AO_07		
Make current database active for using by OPC serve	r	40 Object(s) Mode: Run NUM

# 1-2 Connect OPC Client to OPC Server through RSView32

#### Start RSView32 Works selecting [File ] $\rightarrow$ [New]

RSView32 Show Works	( 2 Hour Demo )	
File View Help		
New Ctrl+N		
Open Ctrl+O		
1 Samples.rsv		
Exit RSView32		
		<u>Clear</u> Clear <u>A</u> II
Create a new file		

Define the path, and then click [ Open ].

Create New Proj	ect	2 🛛
Look in: 🗀 Proj	ect 💌 🗲 🔁 👩	* 🎟 •
Project Name:	OPC_Test	Open
New Subdirectory:	OPC_Test	Cancel
Full Path:	c:\program files\rockwell software\project\c	Help

Click [Node] to set up OPC Server communication.

CPC_TEST - Project	
Edit Mode Run Mod	de ]
System - "" Channel - " Tag Database - " Tag Database - " Tag Monitor - " User Accounts - " Security Codes - " Activity Log Setup - " Activity Log Viewer - " Startup	

Select the OPC Server and then click this button to view all the OPC Server.

🔲 Nod	le					
Data 9	Source:	C Djrect Driver	<u>O</u> PC Server	◯ <u>D</u> DE Server		Close
Na <u>m</u> e: — Serv	vər	OPCTechs_OPC			🔽 Bna <u>b</u> led	Accept
Ng	ame:					Discard
Ty	/pe:	C In-Pro <u>c</u> ess	⊙ <u>L</u> ocal	◯ <u>R</u> emote		
<u>S</u> e Na	erver Cor ame or A	nputer ddress:				
Acces	s Path:					
<u>U</u> pdat	e Rate:	1.000	seconds			
	Name		Data Source	Device	Channel	Station 🗠
1						
2						
3						
						×
						<u> </u>

#### Select the OPC Server to be connected.

0	PC Server Browser				8
r		-			
	Server Name	Туре	Server Computer Name		OK I
	OPCTechs.Modbus30DA.3	Local			
	OPCTechs.ModbusTCP30DA	Local			Cancel
	OPCTechs.ModbusTCP30DA.3	Local			
	OPCTechs.Omron30DA	Local			11.1.
	OPCTechs.Omron30DA.3	Local			нер
	OPCTechs.OmronNet30DA	Local			
	OPCTechs.OmronNet30DA.3	Local			
	OPCTechs.Panasonic30DA	Local			
	OPCTechs.Panasonic30DA.3	Local		-	
	OPCTechs.UP100_30DA	Local			
	OPCTechs.UP100_30DA.3	Local			
	OPCTechs.Vesda30DA	Local			
	OPCTechs.Vesda30DA.3	Local			
	OPCTechs.Yaskawa30DA	Local			
	OPCTache Yaekawa20DA 2	Local		<u> </u>	
	<			>	

Click [Accept] to add in the OPC Server you just selected; then click [Close].

Node 🗌					-02
Data Sou	rce: 🔘 Djrect Driver	<u>O</u> PC Server	C <u>D</u> DE Server		Close
Na <u>m</u> e: ⊢Server:	OPCTechs_OPC			🔽 Ena <u>b</u> led	Prev
N <u>a</u> me	e: OPCTechs.Modbu	s30DA.3			<u>N</u> ext
Туре:	: O In-Pro <u>c</u> ess	Local	○ <u>R</u> emote		
<u>S</u> erve Name	er Computer e or Address:				
Access P	ath:				
<u>U</u> pdate R	late: 1.000	seconds			
Na	ame	Data Source	Device	Channel	Station 🗠
1 OF	PCTechs_OPC	OPC Server			OPCTec
2					
3					
					<u> </u>
					Z

Click [Tag Database] to add new Tag.

C OPC_TEST - Project	
Edit Mode Run Mode	1
System    System	

Data Source  $\rightarrow$  Type to select the Device and then choose [ Node Name ].

Tag Database			- 🗆 🛛
Name: Tag01	Type: An	alog 💌 Securi	ty: ×
Description:			Accept
Minimum: 0	Scale: 1 Unit	s:	Discard
Maximum: 100	Offset: 0 Data	a Type: (Default)	▼ New
Data Source			
Type: 💿 Devic	e O Memory		<u>H</u> elp
Node Name:	Scan Class	A	•
Address:			
			Alarm
Search For:	Alm Tag Name	Туре	Description
	1		
L System			
	i) —		>

#### Select the Node and click [ OK ].

Node Browser			
Node Browser Name OPCTechs_OPC	Data Source OPC Server	Details OPCTechs.Modbus30DA.3 ???, Local	OK Cancel Help Add
			Edit

\_\_\_\_\_

Write down the DataItem path of the OPC Server in the [Address].

🔲 Tag Database 👘		-08			
Name: Tag01	Type: Analog  Security: *	Close			
Description:		Accept			
Minimum: 0	Scale: 1 Units:	Discard			
Maximum: 100	Offset: 0 Data Type: (Default)	New			
Data Source     Help       Type:     Device       Mode Name:     OPCTechs_OPC       Address:     Port1_Device1.Al_01					
Search For:	Alm Tag Name Type Desc	cription			
	1				
L System					
< >		>			

## Please select [ Accept ].

Tag Database							
Name: Tag01		Type: Analog 💌 Se	curity: × 💌 Close				
Description:			Prev				
Minimum: 0	Scale: 1	Units:	Ne <u>x</u> t				
Maximum: 100	Offset: 0	Data Type: (Defaul	t) 🔽 New				
Data Source							
Type: 🖲 De	Type:      Device      Memory						
Node Name: OPCTec	hs_OPC						
Address: Port1.De	Address: Port1.Device1.Al 01						
Search For:	Alm Tag Name	Туре	Description				
	1 Tag01	Analo	g				
	2						
- system							
<							
			>				

Click [ Tag Monitor ] to show up all the Tags you have just defined.

COPC_TEST - Project	
Edit Mode Run Mode	]
System	

# Name Write down the Tag Name.

Untitled - Tag Monitor					
	?	Tag Name	Value	State	Description 🔷
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					×
<					

#### Press "Enter" on the keyboard after setting.

🔲 Untitled - Tag Monitor 📃 🗖 🖬					
	?	Tag Name	Value	State	Description 🔷
1	?	Tag01			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					×
<					>

#### Under normal condition

🗖 Untitled - Tag Monitor 👘 🕄					
	?	Tag Name	Value	State	Description 📤
1	Y	Tag01	55	valid	
2					
3					
4					
5					
6					
7					
<					>