

How to use Cogent DataHub

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DataHub 실행

Cogent DataHub를 실행한다. •

Property를 연다.



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🏟 Coge	ent DataHub Properties	s V7.3.0.70 - Running in demo mode			
(General	OPC Configuration			
DA	OPC	OPC Client			
	OPC A&E	☑ Act as an OPC Client to these servers:			
	Tunnel/Mirror	On Connection Computer OPC Server Domain Refresh(ms) Status			
2	Bridging	OPC000 localhost Kepware KEP_P 1000 Configuring			
1	DDE	Remove			
	QuickTrend				
	WebView				
	Web Server				
	Database				
	Historian	Reload Data from All Servers			
0	Sys. Monitor	OPC Server Do not adjust OPC registry entries for this program			
	Email/SMS	☑ Act as an OPC Server			
>>	Redundancy	COM Security			
1	Scripting	Attempt to override application DCOM setting with minimum security settings			
Ì	Security				
	Licenses	View Data View Connections Event Log Script Log			
		About OK Apply Cancel Help			



🗘 OPC DataHub Prope	erties				
General	OPC Configuration				
C OPC	OPC Client				
Tunnel/Mirror	On Connection Computer OPC Server Domain F Status Add				
Bridging	Edit				
X DDE	Remove				
🤣 Email/SMS					
Data Logging	Reload Data from All Servers				
🔍 Sys, Monitor	OPC Server				
Scripting	 □ Do not adjust OPC registry entries for this program ✓ Act as an OPC Server ✓ Act as an OPC Server 가 된다. 				
Security					
🔑 Licenses	Accempt to override application DCOM setting with minimum security settings				
Web Server					
	View Data View Connections Event Log Script Log				
	About OK Apply Cancel Help				



Define OPC Server			Define OPC Serve	er	
Connection Name:	OPC000	• OPC Server를	Connection Name:	OPC000	
Computer Name:	localhost 🗸 This Computer	그림과 같이	Computer Name:	localhost	This Computer
OPC Server Name:		등록한다.	OPC Server Name:	Matrikon OPC Serve	er for Simulation and Testing
Data Domain Name:	Advantech Modbus/TCP OPC Server Version 2.0 Cogent DataHub		Data Domain Name:	default	→ Server 별로 도메인명 지정
Data Transfer Maximum update rai	CVOPC Class DeviceXPlorer OPC Server to IOServer		∼Data Transfer Maximum update rat	te (milliseconds):	1000
Read Method:	Kepware LonkMaster		Read Method:	Asynchronous Ac	
Write Method:	LSE OPC Data Access Server LSS OPC Data Access Server		Write Method:	Asynchronous W	/rite (DA2)
Options Treat OPC item p Read-only: Mark Replace item time Force connection Never use OPC D Set failed incomin	OPC Data Access 2.0 Server for iFix OPC DataHub SCADAEngine.BACnetOPCServer all items as Read-Only and disable writes to this server e stamps with local clock time in to use OPC DA 3.0 DA 3.0 ing values to zero DA2.0 BROWSE_TO function	\longrightarrow	Options Treat OPC item p Read-only: Mark Replace item time Force connection Never use OPC D Set failed incomin Never use OPC D	properties as DataHut all items as Read-On e stamps with local do n to use OPC DA 3.0 DA 3.0 ng values to zero DA2.0 BROWSE_TO fi	b points where possible Ily and disable writes to this server ock time unction
Item Selection	Items Configure Items		Item Selection Manually Select I	Items (OPC Item을 자동 or 수동 으로 등록한다.
Server specific item f	filters (leave empty to match all items)		Server specific item f	filters (leave empty to	o match all items)
Filter String	Add Edit Remove		Filter String		Add Edit Remove
	OK Cancel				OK Cancel

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- OPC Server 등록이 끝나면 Apply 하여 Running을 확인한 뒤
- View Data 클릭하여 Data를 확인하여 Setup 완료

OPC DataHub Prope	inties 💶 🗖 🔛
General	OPC Configuration
OPC OPC	OPC Client Act as an OPC Client to these servers:
Tunnel/Mirror	On Connection Computer OPC Server Domain F Status Add
Bridging	OPC000 localhost Matrikon default 1 Running
X DDE	Remove
🤣 Email/SMS	Apply 클릭후 Running 여부 확인
Data Logging	Reload Data from All Servers
🔍 Sys, Monitor	OPC Server
Scripting	Do not adjust OPC registry entries for this program Act as an OPC Server
Gecurity	
🔑 Licenses	Accempt to override application DCOM setting with minimum security settings
Web Server	
	View Data View Connections Event Log Script Log
	About OK Apply Cancel Help



🕸 OPC DataHub Data Bro	owser: 15 of 78 poir	nts in default domain					
Selected Point:							
Enter new value:					Quality:	Last Known	~
 default Configured Aliases Simulation Items Bucket Brigade Read Error Saw-toothed Waves Square Waves Square Waves Write Error Write Only 	Point Name ArrayOfReal8 ArrayOfString Boolean Int1 Int2 Int4 Money Qualities Real4 Real8 String Time UInt1 UInt2 UInt1 UInt2 UInt4	Date 3 10 15:27:26.031	Quality Good Good Good Good Good Good Good Goo	Type R8 array BSTR array BOOL I1 I2 I4 CY UI2 R4 R8 String DATE UI1 UI2 UI2 UI4	Value [12551.7609596112 ["" "Your" "data," \ 1 22 7074 25812 19875 1458 6531.063 7677.96327033 2011-03-10 오전 6:2 178 381 13975	232.20282299] your" "process," "you	J
Drag & Drop Style: MS Off	fice (Excel/Word)	Property: Va	lue	~		C	lose

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DataHub Setup for OPC Tunneling – OPC Client side

🕸 OPC DataHub Prope	rties
General	Tunnel/Mirror Configuration
C OPC	Tunnel/Mirror Master ▼Accept plain-text connections on service/port: 4502 Server 쪽의 Port 번호와
Tunnel/Mirror	Current Connections: 0 동일하게 지정
Bridging	SSL Certificate: C:\Program Files\Cogent\OPC DataHub\Plugir Browse
DDE	Current Connections: 0 Try to send data even if it is known to be superseded
🤣 Email/SMS	Boolean Integer Float String
Data Logging	Tunnel/Mirror Slave Act as a tunnel/mirror slave to these masters:
🔍 Sys, Monitor	On Host Port Domain Remote SSL Status Add Master
Scripting	Edit Remove
G Security	
🔑 Licenses	
Web Server	
	View Data View Connections Event Log Script Log About OK Apply Cancel Help

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DataHub Setup for OPC Tunneling – OPC Client side





DataHub Setup for OPC Tunneling – OPC Client side



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OPC Client Setup

- OPC Server PC에 등록된 OPC Items는 OPC Client PC의 DataHub에 그대로 Mirroring이 된다.
- DataHub가 이제 새로운 OPC Server가 되었으므로, 어떤 OPC Client라도 DCOM 설정 없이 Local PC의 DataHub OPC Server에 접속하여 Data를 요청하면 된다.

OPC Quick Client - 제목 없음	2		
File Edit View Tools Hel	0		
🗅 🖻 🖫 😹 💣 💣 😭	X 🖻 🖻 🗙 👘		
Server Properties			—X —
General			
:: Takebishi.Dxp.5			•
Kepware.KEPSer	verEX.V5		
Intellution.LSEOF	°C		
Matrikon OPC.Sir	nulation.1		
Cogent.DataHub	Cogent.DataHub.1		
Cogent.DataHubAE.1			=
Takebishi.DxpAe.5			
Emergen Remote Machine			
Prog ID: Cogent.DataHub.1			
Remote Machine Name:			
Connection Type:	O InProc	O Local	G Amy
			,5 Ally
	확인	취소	도움말





Contact Us

Thank You!

황 철 상

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