

KEPServerEX 內建之 OPC Client 程式-Quick Client 操作範例

本章節將實際操作一次 Quick Client 程式如何建立並取得 OPC Server 的值,首先從程式集中開 啟 OPC Quick Client 程式:

1. 開啟之後點選如下圖指示建立一個新的 Server 位置。

OPC Quick Client	t - 未命名 *					-	- 🗆	×	
<u>File E</u> dit <u>V</u> iew <u>1</u>	ools <u>H</u> elp								
D 🗳 🖬 🗾									
點此圖示建立新的	的專案	Item ID 🖉	Data Type	Value	Timestamp	Quality	Update Count	t	
		<						>	
Date	Time	Event						^	
1 2017/2/6	09:25:07 上午	Disconnected from server 'Kepware.KEPServerEX.V6	ľ.					~	
Ready							Item Cour	nt: 0 //	

2. 這邊系統會帶出目前本機中所有的OPC Server如果是遠端的Server則從網路上去點選,這邊 我們選擇KEPServerEX,確定之後就會開啟Server。

Server Properties			×
General □ ··· · · · · · · · · · · · · · · · · ·	verEX.V6 1 AE.1		
Prog ID:	Kepware.KEPSe	erverEX.V6	
Remote <u>M</u> achine Name:	1		
Connection Type:	C InProc	⊖ <u>L</u> ocal	⊙ <u>A</u> ny
	確定	取消	說明



3. 接下來需要先建立一個Group直接在指定的Server上面按右鍵選擇New Group...。

OPC Quick Clien	t - 未命名 *							- 0	×
File Edit View	Tools Help								
🗅 🖻 🖬 😹 💣	🎳 😰 👗 🛍 🛍 🔪	<							
····: Kepware.K	New Group		Δ	Data Type	Value	Timestamp	Quality	Update Cou	int
	Connect								
Disconnect									
	Reconnect								
	Get Error String								
	Enumerate Groups								
	Get Group By Name.								
	Auto Create Tags								
	Cut	Ctrl+X							
	Сору	Ctrl+C							
	Paste	Ctrl+V							
	Delete	Del							
	Properties]						>

4. 輸入Group的名稱直接按確定。

Group Properties		×
General		
<u>N</u> ame:	Group 1	
Update <u>R</u> ate (ms.):	1000	
Time <u>B</u> ias (min.):	0	
Percent <u>D</u> eadband:	0	
Language ID:	1033	
Update Notification:	OPC 2.0/3.0	
Keep Alive Rate (ms):	0	
	確定 取消 說明	



5. 建立完Group後便可以我們就可以來建立Item,直接在Group上面按右鍵選New Item...。

See OPC Quick Client - 未命名 *				_	×
File Edit View Tools Help)				
🗅 📽 🔒 🎽 💣 📽 🕯	: 🖻 💼 🗙				
Erreit Kepware.KEPServerEX.V6	Item ID	Δ	Data Type	Value	
New Item					
Set Group Inact	ive				
Clone Group					
Asynchronous 2	.0 Cache Refresh				
Asynchronous 2	.0 Device Refresh				
Export CSV					
Import CSV					
Cut	Ctrl+X				
Сору	Ctrl+C				
Paste	Ctrl+V				
Delete	Del				
Properties					
	<	2			>

6. 首先如下圖中選擇好OPC Server的路徑與Tag決定之後點選Add Leaves會自動加到Item ID之中,按OK便完成了。

Add Items	×
Item Properties Access Path: Item ID: Channel1.Device1.Tag1 Data Type: Native Active Image: Comparison of the second se	OK Cancel Melp
Browsing Branch Filter: *	Leaf Filter: Type: Access: * Native ▼ Any ▼ Tag1 Tag2 Tag3 Tag4 Tag5 Tag6 Add Leaves



7. 完成之後便增加了Item。

See OPC Quick Client - 未命名 *					-		×
<u>File E</u> dit <u>V</u> iew <u>I</u> ools <u>H</u> elp							
D 🗳 🔒 🖼 💣 💣 😭 👗 🖻		1 🗙					
⊡:: Kepware.KEPServerEX.V6	^	Item ID 🔬	Data Type	Value	Timestamp		Quality
DataLogger		Channel1.Device1.Tag1	Boolean	0	11:09:10.483		Good
System		Channel1.Device1.Tag2	Boolean	0	11:09:10.483		Good
Channel1Statistics		Channel1.Device1.Tag3	Boolean	0	11:09:10.483		Good
Channel1System		Channel1.Device1.Tag4	Boolean	0	11:09:10.483		Good
Channel I. Device I		Channel1.Device1.Tag5	Boolean	0	11:09:10.483		Good
Channel I. Device IStatistics		Channel1.Device1.Tag6	Boolean	0	11:09:10.483		Good
SimChannel Statistics							
SimChannel System							
	× .						
< >		<					>
Ready					Iten	n Coun	t: 164 🛛 🍂

8. 接著我們可以來測試利用Quick Client來改變Item中的值,如下圖在要更改數值的Item上面 按右鍵選擇Synchronous Write...。

🔐 OPC Quick Client - 未命名 *				-	
File Edit View Tools Help					
🗅 🛎 🔒 😹 💣 💣 🖺 🕷 🗈	X				
Kepware.KEPServerEX.V6 DataLogger System Channel1_Statistics Channel1_Device1_Statistics Channel1.Device1_Statistics SimChannel_System SimChannel_System SimChannel.SimDevice_System U-CON_Statistics U-CON_Statistics U-CON_HTTP Client U-CON_HTTP Client_System	tem ID Channel 1.Device 1.Tag1 Channel 1.Device 1.Tag2 Channel 1.Device 1.Tag3 Channel 1.Device 1.Tag4 Channel 1.Device 1.Tag5 Channel 1.Device 1.Tag6	Data Type Destern New Item Set Active Set Inactive Synchronous Cache Re Synchronous Device R Synchronous 2.0 Read Asynchronous 2.0 Writ Cut Copy Paste Delete	Value ead ead d te Ctrl+X Ctrl+C Ctrl+V Del	Timestamp 11:09:10.483 11:09:10.483 11:09:10.483 11:09:10.483 11:09:10.483 11:09:10.483 11:09:10.483	Quality Good Good Good Good Good
	<	Properties			>

9. 在下圖視窗中於Write Value欄位可更改你想要的值,之後按Apply,OK之後回到主畫面便可 看到數值已被變更。

ynchronous Write			×
ynchronous Write	Current Value O	Write Value 20	OK Apply Cancel