

PendoTECH OPC Server Configuration Instructions

1. Introduction

PendoTECH NFFSS, TFF, and VFDF control system software packages are available in two versions. The standard version and the OPC version with built in OPC server which publishes all data tags in real time. This allows customers to connect the PendoTECH control system to their facility's data historian and log all data to a central repository. The following technical note details the procedure for configuring the built in OPC client that is native to all OPC versions of PendoTECH control system software.

2. Ordering Instructions

The OPC version of the software must be requested at time of purchase and a separate line item will be created on the system quote if not included. It is possible to add the OPC functionality to an existing system if not acquired with the system. Please contact PendoTECH for further information.

3. Instructions

OPCenum is a program which scans your computers registry for active OPC servers. It is required to successfully run PendoTECH OPC software versions. It is not included with the installer for the software and thus must be downloaded manually.

- 1. Download OPCenum
 - a. OPCenum can be downloaded from the OPCFoundation.org and should be installed in the Windows\SysWOW64 directory (Windows 7) or latest Windows version
 - b. Once OPCenum is installed it must be registered with the OS.
 - c. Once OPCenum has been installed and registered, check the services and ensure that OPCenum is included as a service.
 - d. Make sure the OPCenum service can be started without errors.
- 2. **NOTE:** The Logins for the OPC Client and Local Machine must be identical.
- 3. Selecting the proper product library. If the OPC Server cannot be on the Local Machine it will not be visible remotely.
 - a. If everything has been properly configured (Access and Control Limits, Firewall, and File/Print Sharing) then the OPCenum will enumerate the OPC servers on the Local Machine.
 - b. The operator should be able to see the following with an application such as PI_OPCClient, which is an OPC Data Access client.
 - c. The OPC client running on the Local Machine should be able to see the following:
 - i. National Insturments.Variable Engine
 - ii. National Instruments.Variable Engine.1

- iii. National Instruments.LookoutOPCServer
- iv. National Instruments.LookoutOPCServer.1
- d. The only relevant items are National Instruments.Variable Engine and Engine.1 which are the same server. The OPCenum just enumerates them twice.
- e. Select National Instruments.Variable Engine. The screenshot below shows an example of what the selection looks like when the National Instruments.Variable.Engine has been selected.

Locahost	1. 😼 🚍 🛃		6			OSIsoft, Inc.
OPC Servers:		Groups:			Group Info:	
	tem ver Brownig Manual Fikl Branch Filer: Lit Cea	Apply le Engine	ltem Filter.	R/W/Fite: Da	1 Groun Name	Enund Geconds OD Parcent tes Updates: Updates: Utent[5] Itent[5]
Server Start Ti Server Current Server Last Up Server Current			All Items: 0 Select All	Selec	Add Selected	
Group count = Ite Bandwidth =	m Properties		Added Tags :			
Aajor version = Ainor version = Build number = Fagger's OPC Dat Dat Act	g Name: In ID: Cress Path: Itor: Itor: Itor: Add Remove F	Clear Remove All	Tag Name	Item ID	Data Ty	<u>,</u>

Product Library Selection

f. Select the Library of the product you want to connect to, for example NFFSS Shared Variable Library. Once the Library has been selected and you've setup the data tags you should be able to see something like the following:

PI_OPCClient		
File Server Group Tag Tools Help		
Headstartengw7p	Add Item	
OPC Servers: File Server	Manual Flat Branch Filter: Item Filter: R/W Filter: Data Type Filter:	
Headstartengw7p Headstarteng	Wational Instruments.Variable Engine.1 Tag Item ID	OSIsoft, Inc.
National Instruments.L PC Servers: National Instruments.N	BonFestor Valables Sorrain 2A2 V/NFFSS\Train 2A2 V/NFFSS	
National Instrumen	Frain 3A2 VNFFSSVTrain 3A2 VFOF Shared Variable Library VFOF Shared Variable Library	econds Percent
	Volume T1 V/VNFFSSVolume T1 VVNFFSSVolume T2	
- 🚝 Na	Volume T3 \\\NFFSS\Volume T3 \\ Volume T4 \\\NFFSS\Volume T4	
	All Items: 40 Selected Items: 40	odates:
	Select All Add Selected	Litem ID
Server Status:	Added Tags :	
Server Start Time: 07/* Server Current Time: 07/*	Tag Name Item ID Data Type Svolume T4 VV NFFSSWolume T4 VT R8 =	
Server Last Update Time: 12/ Server Current State: RUI Server Status:	Item ID: WWFFSSWolume T4 VUMFFSSWolume T3 VT_R8	
Bandwidth = -1 Server Start Tin Main: varsion = -3	Access Path >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
Minor version = 0 Server Last Up Build number = 0 Group server	Active: Train 4A1 \\\\WFFSS\Train 4A1 \\\WFFSS\Train 4A1 \\T_R8 Train 3A2 \\\\WFFSS\Train 3A2 \\\WFFSS\Train 3A2 \\\\WFFSS\Train 3A2 \\\\WFFSS\Train 3A2 \\\WFFSS\Train 3A2 \\\\WFFSS\Train 3A2 \\\WFFSS\Train 3A2 \\\\WFFSS\Train 3A2 \\\\WFFSS\Train 3A2 \\\\WFFSS\Train 3A2 \\\\UFFSS\Train 3A2 \\\\UFFSS\Train 3A2 \\\\UFFSS\Train 3A2 \\\\UFFSS\Train 3A2 \\\\UFFSS\Train 3A2 \\\\UFFSS\Train 3A2 \\\UFFSS\Train 3A2 \\\\UFFSS\Train 3A2 \\\UFFSS\Train 3A2	
Tagger's OPC Bandwidth = Major version =	Overwrite:	
Minor version = Build number =	Add Remove All Group1 Group1 Hem Count: 40	
Tagger's OPC	OK Cancel	,

For the PressureMAT PMAT-GUI software there are a range if models available with different number of inputs and different combination of types. *Therefore, it was determined to publish different variables depending on the PMAT type selected, since this can vary significantly between PMAT models. Ultimately, a nested library system was implemented. There is a main library that publishes all of the variables common to all PMAT types, and then within that library are separate libraries for each PMAT type, which publishes the variables unique to that model. Customers who which to connect this version of the software to their OPC library will need to setup a connected for each PMAT type that they intend to use.*

Node: Headstarten	gw7p	Server:	National Instruments.Va	ariable Engine	
OPC Standard: v2.05a		Group:	Group1		
Tag	Value	Quality	Timestamp	Type	Item ID
Scirc Pump (LP	0.000000	Good	06/30/17 14:30:33	VT R8	\\\TFF Shared Variable Library\Circ
S Conductivity	VT EMPTY	Uncerta	12/31/69 16:00:00	VT EMPTY	\\\TFF Shared Variable Library\Cond
🗞 Delta P	0.320000	Good ·	07/10/17 16:45:07	VT R8	\\\TFF Shared Variable Library\Delta
DiaFeed Pum	0.000000	Good ·	06/28/17 11:36:02	VT_R8	\\\TFF Shared Variable Library\DiaF
S End Point	"Manual"	Good	07/10/17 16:45:07	VT_BSTR	\\.\TFF Shared Variable Library\End
S Error Codes	"No_Error (0)"	Good ·	07/10/17 16:45:07	VT_BSTR	\\.\TFF Shared Variable Library\Error
SExperiment Na		Good ·	07/10/17 16:39:24	VT_BSTR	\\\TFF Shared Variable Library\Expe
External 1	-4.957000	Good	07/10/17 16:45:07	VT_R8	\\\TFF Shared Variable Library\Exter
🗞 External 2	-1.362500	Good	07/10/17 16:45:07	VT_R8	\\.\TFF Shared Variable Library\Exter
S Fil Flow Meter	0.000000	Good ·	06/28/17 11:36:02	VT_R8	\\\TFF Shared Variable Library\Fil FL
Filter Area	0.000000	Good	06/28/17 11:36:02	VT_R4	\\\TFF Shared Variable Library\Filter
Filter Name		Good	07/10/17 16:39:24	VT_BSTR	\\.\TFF Shared Variable Library\Filter
SFiltrate Pump (VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.\TFF Shared Variable Library\Filtrat
SFiltrate Weight	0.000000	Good ·	06/28/17 11:36:02	VT_R8	\\\TFF Shared Variable Library\Filtrat
🗞 Main Weight	0.000000	Good	06/28/17 11:36:02	VT_R8	\\\TFF Shared Variable Library\Main
🗞 Notes		Good ·	07/10/17 16:39:23	VT_BSTR	\\.\TFF Shared Variable Library\Notes
S Operating Mode	"Stop"	Good ·	07/10/17 16:45:07	VT_BSTR	\\\TFF Shared Variable Library\Oper
🗞 Pfil	-0.180000	Good	07/10/17 16:45:05	VT_R8	\\\TFF Shared Variable Library\Pfil
🗞 pH	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	_\TFF Shared Variable Library\pH
🗞 Pin	0.270000	Good ·	07/10/17 16:45:03	VT_R8	\\\TFF Shared Variable Library\Pin
🗞 Pret	-0.050000	Good ·	07/10/17 16:45:07	VT_R8	\\\TFF Shared Variable Library\Pret
🗞 Recipe	"Manual"	Good	07/10/17 16:45:07	VT_BSTR	\\.\TFF Shared Variable Library\Recipe
🇞 Recipe Step	"Manual"	Good ·	07/10/17 16:45:07	VT_BSTR	_\TFF Shared Variable Library\Reci
🇞 Temperature	-16.700001	Good ·	07/10/17 16:38:49	VT_R8	\\\TFF Shared Variable Library\Tem
🗞 TMP	0.290000	Good	07/10/17 16:45:05	VT_R8	\\\TFF Shared Variable Library\TMP
🗞 Total Flow	0.000000	Good	06/28/17 11:36:02	VT_R8	_\TFF Shared Variable Library\Total
🗞 Vessel SP	0.000000	Good ·	06/30/17 14:30:33	VT_R8	\\\TFF Shared Variable Library\Vess
				_	
nime (Seconds):	23	Scans:	23 0	Ceep History	
Update Rate:	1000 mSec	Updates	: 23 0	Display OFF	
	Stop		Resume		

When you select the TFF System you will see:

TFF Data Tags

When you select the NFFSS S	System you will see:

Тад	Value	Quality	Timestamn	Tune 🔺
S Data Collection	VT EMPTY	Uncerta	12/31/69 16:00:00	VT F
S Details	VT EMPTY	Uncerta	12/31/69 16:00:00	VTF
Sectorie Experiment Name	VT EMPTY	Uncerta	12/31/69 16:00:00	VT E
SFilter Name 1A1	VT EMPTY	Uncerta	12/31/69 16:00:00	VT E
SFilter Name 1A2	VT EMPTY	Uncerta	12/31/69 16:00:00	VT E
SFilter Name 1A3	VT EMPTY	Uncerta	12/31/69 16:00:00	VT E
Silter Name 2A1	VT EMPTY	Uncerta	12/31/69 16:00:00	VT
SFilter Name 2A2	VT EMPTY	Uncerta	12/31/69 16:00:00	VT E
S Filter Name 2A3	VT EMPTY	Uncerta	12/31/69 16:00:00	VT
S Filter Name 341	VT EMPTY	Uncerta	12/31/69 16:00:00	VTF
S Filter Name 3A2	VT EMPTY	Uncerta	12/31/69 16:00:00	VT
S Filter Name 343	VT EMPTY	Uncerta	12/31/69 16:00:00	VT F
So Filter Name 4Δ1	VT EMPTY	Uncerta	12/31/69 16:00:00	VT
Filter Name 4A2		Uncerta	12/31/69 16:00:00	VTF
S Filter Name 4A2		Uncerta	12/21/69 16:00:00	VT K
Normanie 440		Uncerta	12/21/09 10:00:00	VT_L
S Flow 2		Uncerta	12/31/63 16:00:00	VT_C
N Flow 2		Uncerta	12/31/63 16.00.00	
N Flow 4		Uncerta	12/31/63 16:00:00	VI_t
S FIOW 4	VI_EMPTY	Uncerta	12/31/69 16:00:00	VI_t
I I Notes	VI_EMPTY	Uncerta	12/31/69 16:00:00	VI_t
No. 11 Status	VI_EMPIY	Uncerta	12/31/69 16:00:00	VI_t
S [1P]	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🗞 T1P2	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T1P3	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🗞 T2 Notes	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🗞 T2 Status	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T2P1	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🏷 T2P2	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🏷 T2P3	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🏷 T 3 Notes	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T 3 Status	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T 3P 1	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🏷 T 3P 2	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T 3P 3	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🗞 T4 Notes	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🗞 T 4 Status	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T 4P1	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T 4P2	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_E
🇞 T 4 P 3	VT EMPTY	Uncerta	12/31/69 16:00:00	VT E
Train 1 41	VT EMPT	Y Uncerta	12/31/69.16:00	-00 VT
Train 1 A2	VT EMPT	Y Uncerta	12/31/69 16:00	00 VT
Train 1 Description		V Uncerte	12/01/00 10:00	00 VT
Train 1 Description		V Uncerte	12/31/63 16.00	100 VT_
STAIN ZAT		T Uncerta	12/31/69 16:00	
N Irain 2 A2	VI_EMPI	Y Uncerta	a 12/31/69.16:UU	00 VI_
No. 1 rain 2 Description	VI_EMPI	Y Uncerta	a 12/31/69.16:UU	00 VI_
🗞 Train 3 A1	VT_EMPT	Y Uncerta	a 12/31/69 16:00	:00 VT_
🗞 Train 3 A2	VT_EMPT	Y Uncerta	a 12/31/69 16:00	200 VT_
🗞 Train 3 Description	VT_EMPT	Y Uncerta	a 12/31/69 16:00	200 VT_
🗞 Train 4 A1	VT_EMPT	Y Uncerta	a 12/31/69 16:00	200 VT_
🗞 Train 4 A2	VT_EMPT	Y Uncerta	a 12/31/69 16:00	00 VT_
🗞 Train 4 Description	VT_EMPT	Y Uncerta	a 12/31/69 16:00	:00 VT
SVolume T1	VT EMPT	Y Uncerta	a 12/31/69 16:00	:00 VT
SVolume T2	VT EMPT	Y Uncerta	12/31/69 16:00	:00 VT
Volume T2	VT EMPT	Y Uncerta	12/31/69 16:00	100 VT
	VI 1 1917 1	1 Constants		

NFFSS Data Tags

When you select the VFDF System you will see:

Node: Locahost	Server	National Inst	uments.Variable Engin	e.1	
UPC Standard: V2.05a	Group	Gloup1			
Tag	Value	Quality	Timestamp	Туре	Item ID
Alarm Code	101	Good	01/29/18 13:06:28	VT_BSTR	\\.WF-DF Shared Variable Library/AL
Conductivity	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.WF-DF Shared Variable Library\Co
Data Recording On-Off	TRUE	Good · _	01/29/18 12:52:21	VT_BOOL	\\.WF-DF Shared Variable Library/D.a
Delta P2	4.750000	Good	01/29/18 13:06:28	VT_R8	\\.WF-DF Shared Variable Library/De
Delta P3	0.010000	Good	01/29/18 13:06:28	VT_R8	\\.WF-DF Shared Variable Library\De
Delta-P1	-4.760000	Good · _	01/29/18 13:06:28	VT_R8	\\.\VF-DF Shared Variable Library/De
Endpoint-Step	"RVol 91.49"	Good	01/29/18 13:06:28	VT_BSTR	\\\WF-DF Shared Variable Library\En
S Experiment Name		Good	01/29/18 12:34:45	VT_BSTR	\\\WF-DF Shared Variable LibraryAEx
External 1	0.034400	Good · _	01/29/18 13:06:28	VT_R8	\\.\VF-DF Shared Variable Library/Ex
External 2	0.037500	Good	01/29/18 13:06:28	VT_R8	\\\WF-DF Shared Variable Library/Ex
SFilter 1 Name		Good	01/29/18 12:34:45	VT_BSTR	\\\WF-DF Shared Variable Library/Fit
Filter 2 Name	***	Good · _	01/29/18 12:34:53	VT_BSTR	\\.\VF-DF Shared Variable Library/Fit
b Filter 3 Name	100	Good	01/29/18 12:34:53	VT_BSTR	\\\WF-DF Shared Variable Library/Fit
S Filter Acea F1	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\\WF-DF Shared Variable Library/Fit
Filter Area F2	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.\VF-DF Shared Variable Library/Fit
Filter Area F3	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.WF-DF Shared Variable Library/Fit
S Filtrate Weight	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.WF-DF Shared Variable Library/Fit
Flow Meter (LPM)	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.WF-DF Shared Variable Library/Flo
Flux Filter 1 (LMH)	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.WF-DF Shared Variable Library/Fka
SFlux Filter 2 (LMH)	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.WF-DF Shared Variable Library/Flu
Flux Filter 3 (LMH)	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.\VF-DF Shared Variable Library/Flu
S Function	"Second [Vi	Good ·	01/29/18 13:06:28	VT_BSTR	\\\WF-DF Shared Variable Library/Fu
S Mode	"Run"	Good ·	01/29/18 13:06:28	VT_BSTR	\\\WF-DF Shared Variable Library\M
Notes	***	Good · _	01/29/18 13:06:25	VT_BSTR	\\.\VF-DF Shared Variable Library/No
P1 (pii)	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\\WF-DF Shared Variable Library\P1
5 P2 (pa)	4.760000	Good ·	01/29/18 13:06:28	VT_R8	\\\WF-DF Shared Variable Library\P2
>P3 (pri)	0.010000	Good · _	01/29/18 13:06:28	VT_R8	\\.\VF-DF Shared Variable Library\P3
b pH	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\\WF-DF Shared Variable Library\pH
> Pump Flow [LPM]	5.421000	Good ·	01/29/18 13:01:58	VT_R8	\\\WF-DF Shared Variable Library\Pu
Setpoint dP Enabled	"Yes"	Good · _	01/29/18 13:06:28	VT_BSTR	\\.\VF-DF Shared Variable Library\Se
Step	"Second [Vi	Good ·	01/29/18 13:06:28	VT_BSTR	\\\WF-DF Shared Variable Library/Step
Temperature	-16.700001	Good ·	01/29/18 12:34:24	VT_R8	\\\WF-DF Shared Variable Library\Te
Total Flow (L)	VT_EMPTY	Uncerta	12/31/69 16:00:00	VT_EMPTY	\\.WF-DF Shared Variable Library\To

VFDF Data Tags

When you select the PendoTECH DAQ System you will see:



PendoTECH DAQ Data Tags



- 4. The OPC server will communicate with OPC DA Clients versions 2.0, 2.5, and 3.0.
- 5. Ensure sure the PC GUI Software is running as it is the running the OPC server. The data tags will not be published if the local machine is not running the control system software.

NOTE: the OPC Server starts when the (PendoTECH) Application software starts. The OPC Server will continue to publish data until the Application is exited. The OPC Server is already running when an "Experiment" is started. The OPC Server is still running when the Experiment is ended. The OPC Server is running as long as the Application is running.

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Furthermore, we cannot disconnect the OPC Server from the PendoTECH Application.

One possible solution would be just to leave the application open. Also possible is the configuration to have the PendoTech Software Application to startup with the PC. The Tags would be stale until the users responds to the dialog box on whether to search for the control system connected. 4. Appendix A- View When System Not Running

The screenshot below shows what the National Instruments.Variable Engine screen will look like if the PendoTECH Control system software is not running on the PC hosting the OPC server, or running the incorrect application (non-OPC version). The PendoTECH applications that support OPC functionality all have a .OPC suffix after the version number.

A	dd Item	_			_		-	×
	- Server Browsi	ng						
	🔲 Manual 📗	🗌 Flat 🛛 Br	anch Filter:		Item Filter:	R/W Filte	r: Data Type Fil	ter:
	List	Clear		Apply			-	•
	🖃 🚔 Natio	onal Instru	ments.Variable	Engine.1	Tag	Item ID		
		ystem						
1								
					All Items:	0	Selected Items:	0
					Selec	t All	Add Se	lected
	_ −Item Propertie	s						
					Added Lags:			
	Tag Name:				Tag Name	Item ID		Data Type
	Item ID:							
	Access Path:							
	Data Tune:	, 		Clear				
	A = 10 - 1 - 1 - 1		<u> </u>	Cida				
	Active:	•						
	Uverwrite:							
	Add	Re	move Re	move All				+
					Group: Group1		Group Item Coun	t 0
							ПК	Cancel

Variable Engine Screen when Control System Software Not Running

5. Appendix B- View of OPC Server Properties

PI_OPCClient			_	- • ×
File Server Group Tag Tools	Help			
Headstartengw7p 🗸	OPC Server Properties		×	OSIsoft, Inc.
OPC Servers:	ProgID: National Instruments.Va Vendor Info: Tagger's OPC	riable Engine.1		Info:
□	Version: 3.0.0			
- 🚆 National Instruments.NIOP	OPC Interfaces	DA v1.0a	DA v2.05a	
National Instruments.Varial	OPCServer:			
National Instruments.	♀ IOPCServer	Yes (Required)	Yes (Required)	
	IOPCCommon	No (N/A)	Yes (Required)	
	♀ IConnectionPointContainer	No (N/A)	Yes (Required)	Lindates:
	♀ IOPCItemProperties	No (N/A)	Yes (Required)	
	♀ IOPCServerPublicGroups	No (Optional)	No (Optional)	
	♀ IOPCBrowseServerAddressSpace	Yes (Optional)	Yes (Optional)	mp Type Item ID
	OPCGroup:			
	♀ IOPCItemMgt	Yes (Required)	Yes (Required)	
	♀ IOPCGroupStateMgt	Yes (Required)	Yes (Required)	
Server Status:	IOPCPublicGroupStateMgt	No (Optional)	No (Optional)	
	Y IOPCSynclO	Yes (Required)	Yes (Required)	
Server Start Time: U//1//1	IOPCAsyncl02	No (N/A)	Yes (Required)	
Server Lurrent Time: U//1//1	♀ IConnectionPointContainer	No (N/A)	Yes (Required)	
Server Last Update Time: 12/31/6	Y IOPCAsyncl0	No (Required)	No (N/A)	
Group count - 0	♀ IDataObject	No (Required)	No (N/A)	
Bandwidth = -1				
Major version = 3			Close	
Minor version = 0				
Build number = 0				
Tagger's OPC	•		III	•
1				

OPC Server Properties