

Setup Guide for Stratus ztC Edge 110i OPC UA Integration into AVEVA Intouch HMI



How to add and enable ztC OPC integration into AVEVA Intouch

Enable ztC Edge OPC UA in ztC Edge Web Console

Stratus ztC Edg	192.168.0.200 e IP: 192.168.0.200 Asset II Version: 2.1.0–283	D: <u>ze: d-5542</u> System is Healthy	📑 admin	Logout
SYSTEM Dashboard	PREFERENCES			?
System Preferences ALERTS & LOGS Alert History Audit Logs Support Logs Support Logs	System	Enable OPC Server Port Number: 4840 Allow anonymous OPC client connections Allow OPC client connections and passwords configured from Users & Croups Save Reset		
RESOURCES Physical Machines Virtual Machines Volumes Networks Virtual CDs	Muil Server Administrative Tools Gauge Users & Groups Gauges Configuration Publies Security Clugin Banner Notice Save System Preferences			
LIBRARY	Restore System Preferences Notification Alerts SNMP Configuration OPC Configuration			
	Remote Support			

Create OPC Connection in AVEVA Intouch

- 1. Open the "System Platform Management Console".
- 2. Open the Operations Integration Server Manager
- 3. Select "Default Group"
- 4. Select "Local"
- 5. Select "Wonderware Gateway"
- 6. Select "OI.GATEWAY" and the "Configuration"





7. Right click on "Configuration" and select "Add OPCUA Connection"

Configu	ration	
> 🕂 Diag	Add REDUNDANT_DEVICE Connection	
Wonderware	Add SuiteLink Connection	
	Add DDE Connection	
roup	Add ArchestrA Connection	
og Files	Add OPC Connection	
Add OPC Connection Add OPC Connection Add OPC LA Connection		
	Add OPCUA Connection	
	Add MQTT_BROKER Connection	
	Expand All	
	Archive Configuration Set	
	View	>
	Help	

- 8. Give the OPCUA Connection a name
- 9. Server Node: "ztC System IP Address"

10. OPCUA Server: "opc.tcp://ztC systemIP:4840/

11. Security Policy: None (Can be different depending what you select in the ztC console)

Once you test the connection and it is successful you should receive the indexes in the namespace

000114	anne Datale		
Service A S	verver D'etals:	404	
S-BEYVER FA	ode: 132.168.0		
OPCUA :	Server opc.top://	▼ Test	
Allow	Iptional Data Type Su	fix In Name	
n Adve	anced Configuration		
- Iten Va	ildation Retries		
Retry	Mempis: -1		
Retry	Period 1	minute(s)	
Securit	Policy		
(* No	ne C Basic120Risa	15 C Basic256 C Basic2565ha256	
Not Ap	/ Message Mode: — plicable		
Øser Cr I₹ And	edenitials oromous User		
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User N	ane: I		
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Doer N Pasowi OPC UA	Nanespace	Show Password	
OPC UA	Namespace	Show Password	
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User N Passwo OPC UA Index 0 1 2 *	Nanespace Ašas UA. curitomer-support stC	NameSpace URI http://www.steatus.com/arC/ http://www.steatus.com/arC/	
OPC UA	Namespace Adap UA Curtome-support atC	NameSpace URI http://www.stratur.com/art/ce-support/custom	
OPC UA	Namespace	NameSpace URI http://www.stedus.com/art/ce-support/custom http://www.stedus.com/art/C/	
OPC UA	Namespace Asez UA curtome-support	NameSpace URI http://www.steblus.com/art/ce-support/custom http://www.steblus.com/art/ce-support/custom http://www.steblus.com/art//	



12. Right click on newly created OPCUA Connector for ztC and "Add OPCUA Group Connection"

> L TTC		
🕂 Dia	Reset	н
onderwa	Disable ztC	-1
р	Add OPCUAGroup Connection	
Files	Expand All	
	View >	
	Delete	
	Rename	ę
	Help	1

💋 SMC - [ArchestrA System Management Console (AVEVA)\Operations Integration Server Manager\Default Group\Local\Operations Integration Supervisory Servers\Wonder]

File Action View Help		
ArchestrA System Management Console (AVEVA) Solution	Node Type: OPCUAGrou	up Delimiter: .
Galaxy Database Manager Server Manager	GRP Parameters Device Items MQ	TT Publish Items
 ✓ iii Default Group ✓ iii Local ✓ iii Operations Integration Supervisory Servers 	Device Group Name:	HC_GRP
V 🏘 Wonderware - Gateway	Update Rate:	1000 ms
 OLGATEWAY.3 Z Configuration 	🖂 Read Only	Browse OPCUA Server
> CPC 2 ztC 2 GRP > M Diagnostics > K Wonderware - SIM	C Demand Read	
 Log Viewer Default Group Opened Log Files Platform Manager 		



13. Once the Group has been created you can no "Browse OPCUA Server" and add to list

CPCUA Tag Browser				-	×
ServerRedundancy ServerRedundancy ServerRedundancy ServerStatus VendorServerInfo ServerCapabilities NamespaceAnary AudRing ServerLang AudRing ServerLang ZerverLang ZerverLang		Amribute NodeClass Reference DataType Access Leve	Value Variable /mC/i+6055 STRING e R		
Add to list	Remove from list				
			OK	Cancel	

14. Under the "name" column you can rename the tag to more suitable name

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15.Under the "name" column you can rename the tag to more suitable name

Name	Item Reference
/ztC/i=6010	/ztC/i=6010
/ztC/i=6032	/ztC/i=6032
HAVMList	/ztC/i=6029
IP	/ztC/i=6030
ManagementURL	/ztC/i=6031
Node0IP	/ztC/i=6040
Node0Maint	/ztC/i=6041
Node0State	/ztC/i=6042
Node 1IP	/ztC/i=6050
Node 1 Maint	/ztC/i=6051
Node 1State	/ztC/i=6052
OutstandingSeverity	/ztC/i=6032
RunningVMList	/ztC/i=6022
SoftwareVersion	/UA/i=2264
vmcount	/ztC/i=6024



OPC Graphic integration example below





Creating a ztC OPC UA Tag reference in Intouch HMI Window Maker



Step 2 Insert a tag name in the "Expression" box

Object type: Text Prev Link	Next Link OK Cancel
Daput -> String Express	ion
Tagname Dictionary	×
◯ Main	arms O Members
New Restore Delete Save <<	Select >> Cancel Close
Tagname: Node1Maint	Type: I/O Message
Group: \$System	Read only Bead Write
Comment:	
Log Events	Retentive Value
Maximum Length: 131 Initial Value:	
Alarm Comment	
Access Name: ztc	
Item: /ztC/i=6051	Use Tagname as Item Name

Step 3

Select "Type" radio button and choose I/O Message as the type

Step 4

Insert in the "Item" box the ztC OPCUA tag reference

Step 5

Save your options and return to main page to create next one.



Once completed all your tag references to the ztC your display could look like below example:





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