Connections - OPC-UA Server

OPC-UA Server

The OPC-UA Server page contains a list of all the OPC Tags configured within Ignition. Opening the page shows a list of OPC Server sessions. Hitting the **Details** button on one of the sessions will bring up a new page with the number of subscriptions that server has with their scan rate, and how many Tags are monitored in that subscription at the specified rate.

OPC-UA Server Page

The main OPC-UA Server page contains basic information for all OPC-UA servers the Ignition system has access to.

Attributes	Description
Id	The id of the OPC-UA Server.
Name	The name of the OPC-UA Server.
User	The user that is used to authenticate the connection to the server.
Remote Address	The remote address of the server (127.0.0.1 is a local connection).
Subscriptions	The total number of subscriptions or scan classes for this server.
Last Activity	The last time the server had activity.

OPC-UA Server Details

Clicking on the **Details** button to the right of an OPC-UA server brings up more detailed information for that particular server. It will list out all of the subscriptions to that server with the publish rate, as well as the number of items within that subscription.

Attributes	Description
Id	The Id of the scan class.
Publishing Interval	The rate at which the subscription publishes.
Data Change Notifications	The number of data changes that have happened for that subscription.

Keep Alive Notifications	The number of keep alive notifications that subscription has done.
Monitored Items	The number of items are within that subscription.

OPC-UA Server Subscription Details

Clicking the **Details** button for one of the subscriptions will bring up the list of subscribed OPC items.

Attributes	Description
Monitored Items	The number of items that are within that subscription.
Data Change Publishes	The number of data changes that have happened for that subscription.
Keep Alive Publishes	The number of keep alive notifications that subscription has done.
Node Id	The OPC item path.
Subscription Rate	The rate of the subscription that the client requested.
Revised Rate	The servers revised rate.
Node Class	The Node Class of a Node such as Object, Variable, or Method
Data Type	The data type of the item.

Connections

OPC-UA Server / Session[id=ns=1;i=40141] / Subscription[id=8]

Configuration

Monitored Items	Data Change Publishes	Keep-Alive Publishes
296	9,248	36

Node Id	Subscription Rate	Revised Rate	Node Class	Data Type
[SLC]_Meta:R6/R6:6/R6:6.EM	1000 ms	1000 ms	Variable	Boolean
[SLC]_Meta:O0/O0:6	1000 ms	1000 ms	Variable	Int16
[SLC]_Meta:R6/R6:5/R6:5.EM	1000 ms	1000 ms	Variable	Boolean
[SLC]_Meta:C5/C5:3/C53.UN	1000 ms	1000 ms	Variable	Boolean
[SLC]_Meta:C5/C5:4/C54.UN	1000 ms	1000 ms	Variable	Boolean
[SLC]_Meta:C5/C5:9/C59.PRE	1000 ms	1000 ms	Variable	Int16
[SLC]_Meta:R6/R6:6/R6:6.IN	1000 ms	1000 ms	Variable	Boolean
[SLC]_Meta:R6/R6:7/R6:7.LEN	1000 ms	1000 ms	Variable	Int16
[SLC]_Meta:R6/R6:0/R6:0.POS	1000 ms	1000 ms	Variable	Int16
[SLC]_Meta:T4/T4:7/T4:7.DN	1000 ms	1000 ms	Variable	Boolean
[SLC]_Meta:S2/S2:0	1000 ms	1000 ms	Variable	Int16
[SLC]_Meta:R6/R6:3/R6:3.IN	1000 ms	1000 ms	Variable	Boolean
[SLC]_Meta:T4/T4:1/T4:1.ACC	1000 ms	1000 ms	Variable	Int16

Related Topics ...

- OPC-UA and Device Connections
- OPC-UA Connections and Settings
- Allen Bradley Ethernet
- Modbus