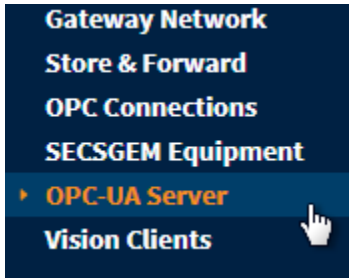


# Connections - OPC-UA Server

## 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.



### On this page

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- OPC-UA Server
- OPC-UA Server Page
- OPC-UA Server Details
- OPC-UA Server Subscription Details

## 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.

A screenshot of the OPC-UA Server page. At the top, there is a 'Connections' header and a 'Configuration' button. Below that is the title 'OPC-UA Server'. Underneath is a 'Sessions' section with a table. The table has columns: Id, Name, User, Remote Address, Subscriptions, Last Activity, and Actions. There is one row of data with a 'Details' button in the Actions column.

Id	Name	User	Remote Address	Subscriptions	Last Activity	Actions
ns=1;i=3	ignition_ignition OPC-UA Server	opcuauser	/127.0.0.1:65263	5	a few seconds ago	Details

## 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.

**Connections** Configuration

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

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**Subscriptions**

Id ▲	Publishing Interval	Data Change Notifications	Keep-Alive Notifications	Monitored Items	Details
1	1000	85942	1	8	Details
2	1000	85854	1	679	Details
4	5000	17202	1	3	Details
5	1000	9731	1	3	Details

## 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

Configuration

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

Monitored Items  
296

Data Change Publishes  
9,248

Keep-Alive Publishes  
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](#)