



OPC UA CLIENT CONNECTION - IGNITION BY INDUCTIVE AUTOMATION

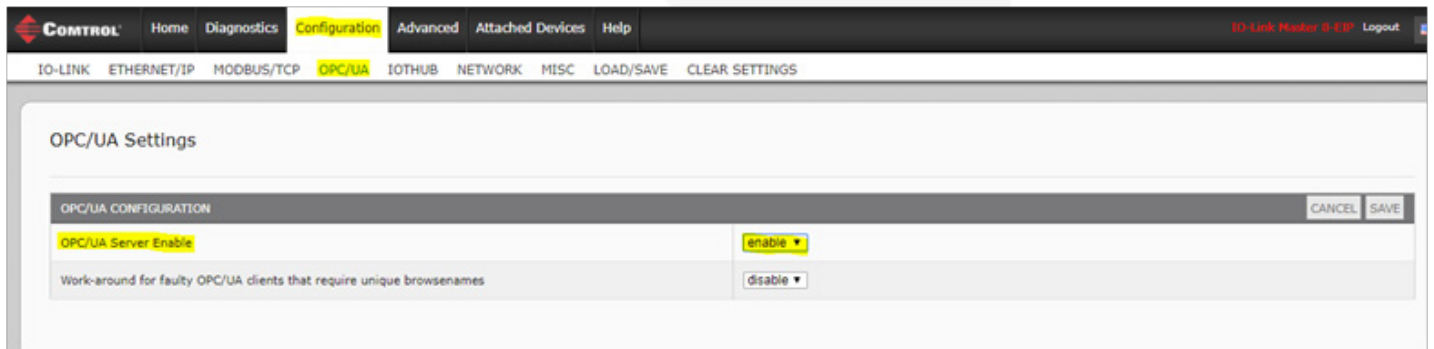
The following procedure illustrates how to configure the Control IO-Link Master for use with the Ignition Gateway Control Utility. You must have the following application base images installed on the IO-Link Master:

- EIP v1.5.0.1 or higher
- PNIO v1.5.0.1 or higher

Please note that depending upon when you purchased the IO-Link Master, you may need to send the IO-Link Master to Control for the image updates. Contact your sales representative for more information.

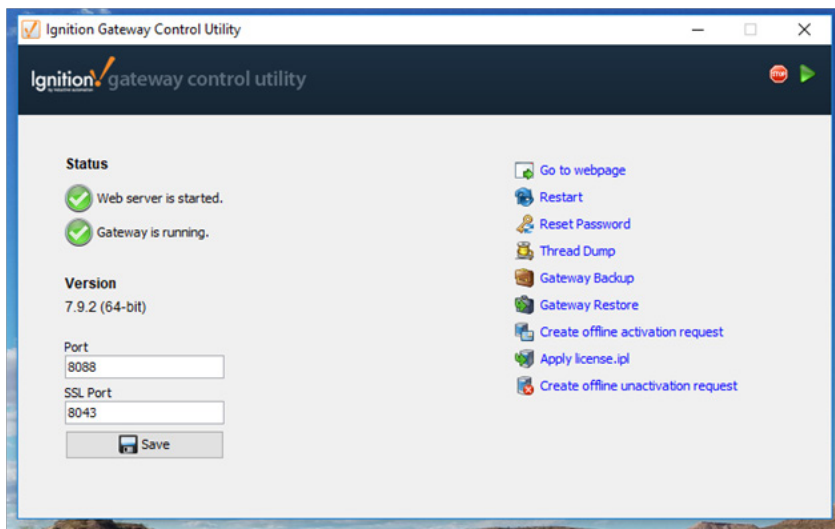
STEP ONE

1. Type the IO-Link Master IP address in your web browser and click **Enter**.
2. Click the **Configuration | OPC/UA** menu.
3. Click the **Edit** button.
4. Select **Enable** for the **OPC UA Server Enable**.
5. Click **Save**.



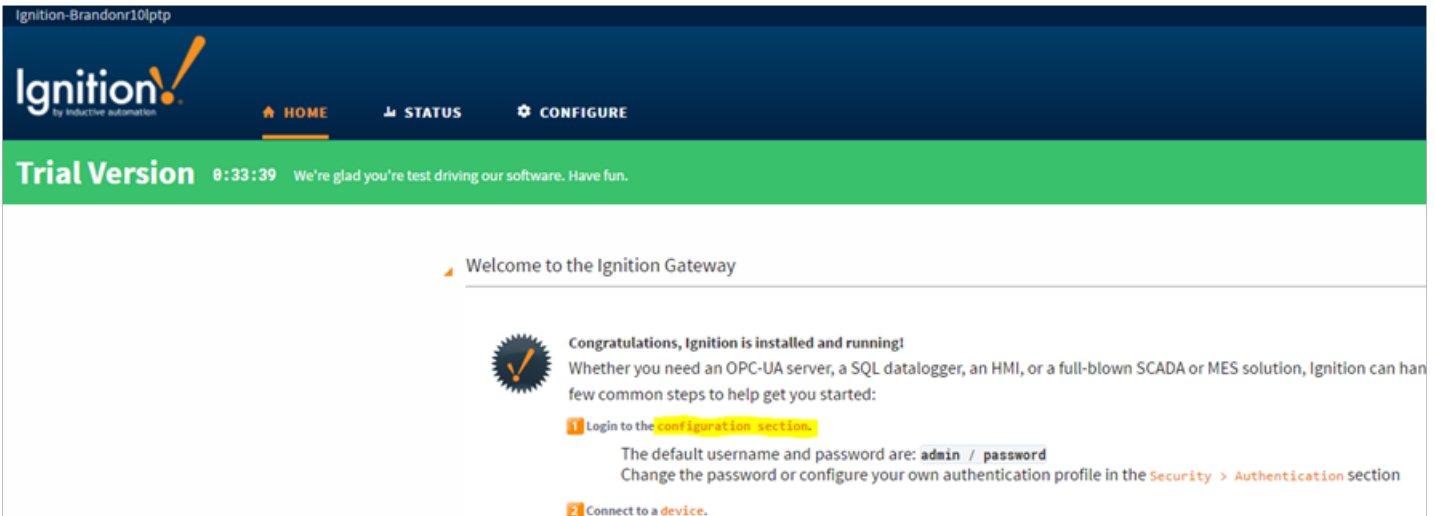
STEP TWO

1. Open the Ignition Gateway Control Utility.
2. Click **Go to webpage**.
3. If necessary, click Restart if the status for **Web server is started** and **Gateway is running** are BOTH not showing green check marks.

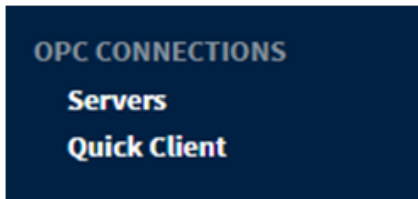


STEP THREE

1. Click **Configuration Section**.
2. If necessary, sign in.
This screenshot is of the trial version.
3. If the banner is not green, restart the trial after signing in.



4. Scroll down the page and find the **OPC Connections** section.
5. Click **Servers**.



6. Click **Create new OPC Server Connection...**

OPC Server Connections

Name	Type	Description
Ignition OPC-UA Server	OPC-UA	A connection to the OPC-UA server provided by Ignition's OPC-UA module.

→ **Create new OPC Server Connection...**

Note: For details about a connection's status, see the [OPC Connection Status](#) page.

7. Select **OPC-UA**, and then click **Next**.

Add OPC Server Connection Step 1: Choose Type

OPC-UA
Connect to a device or server that supports OPC-UA.

OPC-DA COM Connection
Provides access to legacy COM-based OPC-DA servers. Supports OPC-DA versions 2 and 3.

Next >

Ignition provides two examples of URL's you can use to connect.

8. Use the second example and type in the IP address of the Control IO-Link Master and append the IP address with 4840 instead of what they have listed.

For example, if the Control IO-Link master has an IP address of 192.168.4.86, the URL would look like this:

opc.tcp://192.168.4.86:4840

9. Click **Discover**.

Discover OPC-UA Endpoints

opc.tcp://192.168.4.86:4840

Discover

Example: opc.tcp://localhost:4096 or opc.tcp://192.168.1.10:49320

10. Select the connection you just made and then click **Next**.

Discover OPC-UA Endpoints

opc.tcp://192.168.4.86:4840

Discover

opc.tcp://192.168.4.86:4840
SecurityPolicy: None, MessageSecurity: None

Next...

Example: opc.tcp://localhost:4096 or opc.tcp://192.168.1.10:49320

11. Enter a name and description if desired.
12. Select any other settings that may apply.
13. Click **Create New OPC Server Connection**.

New OpcUaConnectionSettings

Main	
Name	<input type="text" value="Control_IOLink"/>
Description	<input type="text" value="test"/>
Read-only	<input type="checkbox"/> If selected, the opc server will be read-only, and calls to write will fail. (default: false)
Enabled	<input checked="" type="checkbox"/> (default: true)

Authentication	
Username	<input type="text"/>
Password	<input type="password"/>
Password	<input type="password"/> Re-type password for verification.

Show advanced properties

Create New OPC Server Connection

The connection is now established and you are now able to create a new project in Ignition Designer.

OPC Server Connections

✔ Successfully created new OPC Server Connection "Control_IOLink"				
Name	Type	Description	Read-only	Status
Control_IOLink	OPC-UA	test	false	Connected

CONTACT AND SUPPORT INFORMATION

Warranty Information

Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

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