

## Advantech AE Technical Share Document

<b>Date</b>	2021/4/27	<b>Related Product</b>	ADAM-6350-A, ADAM-6317-A, ADAM-6360D-A	
<b>Category</b>	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	<b>Related OS</b>	N/A	
<b>Abstract</b>	How to acquire IO data via Ignition			
<b>Keyword</b>	ADAM-6300, Ignition, SCADA, ADAM-6350			
<b>SR#</b>	1-4599696189			
Revision History				
Date	Version	Author	Reviewer	Description
2021/04/27	V1.0	Adam.Chen	Owen.Chang	Utility: 2.6.00(B10) FW: 1.20 B12

■ **Problem Description:**

This document will illustrate how to acquire IO data through Ignition.

■ **Solution:**

**Step1:**

Open up Ignition and create OPC UA Client driver, then add an OPCUA server in custom discovery.



Fig.1 Create OPC UA Client driver



Fig.2 Create OPC UA server(ADAM-6300 series)

**Step2:**

Then expand the tree, users could choose either anonymous which is None or security which is Basic128Rsa15-Sign. After choosing the connection type, go set up username and password. Here we choose security connection for instance.

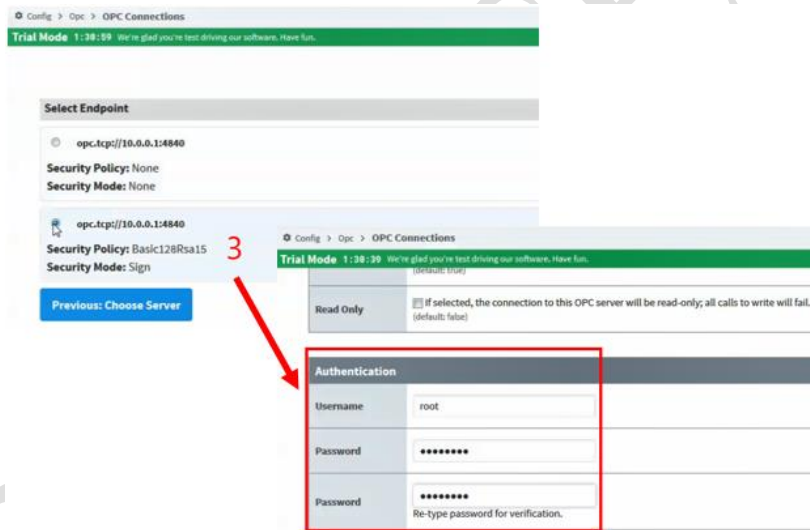


Fig.3 Choose connection type and fill in username and password

**Step3:**

Then we right click the device and choose Connect, then a Certificate Validation window would pop up due to the untrusted certificate sent from ADAM-6350 which is a OPCUA server. All we need to do is to trust this certificate in order to build up connection.

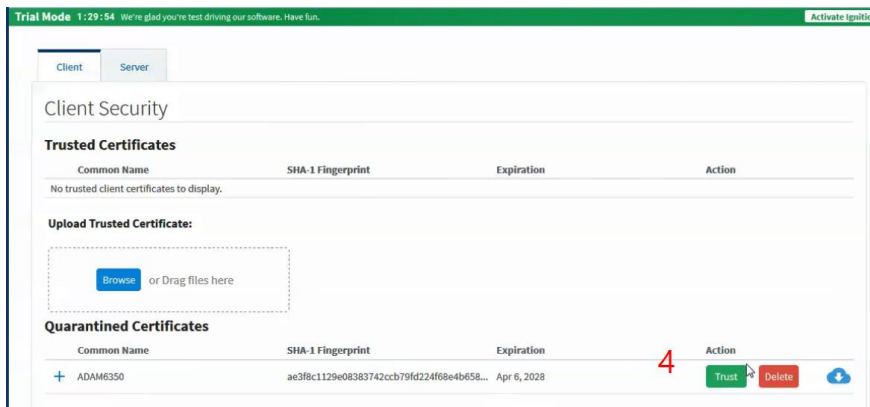


Fig.4 Trust the certificate from OPC UA Server

**Step4:**

Open up Adam/Apax .NET Utility, search for ADAM-6350, choose Certificates tab and trust the Rejected certificate from Ignition. Then go back to Ignition to make the device connect to ADAM-6350 again.

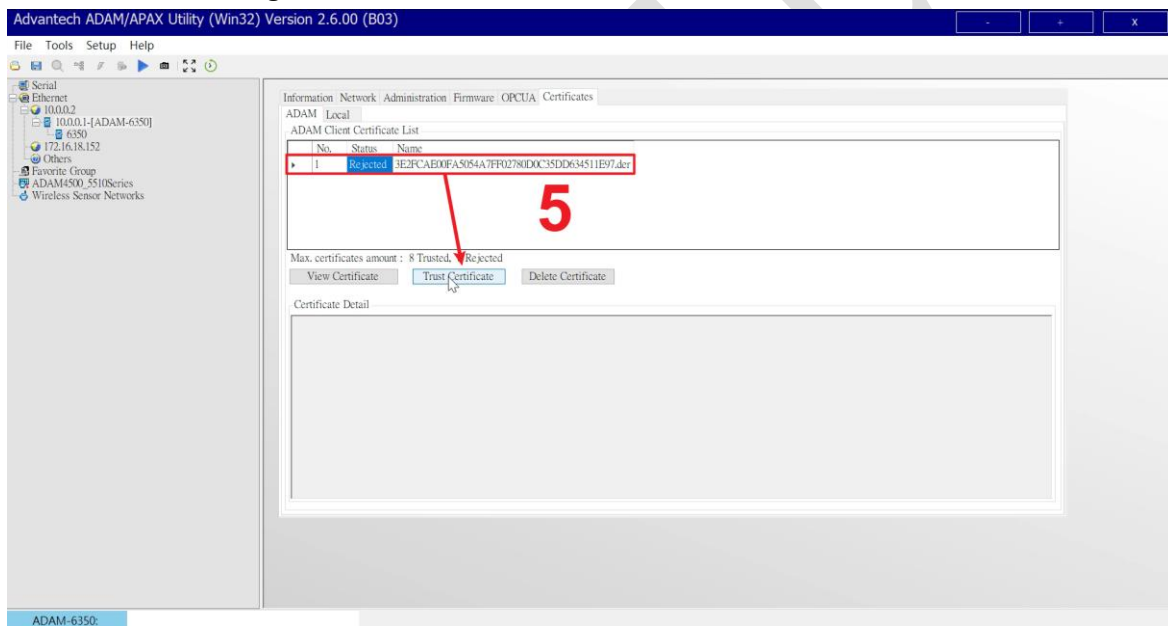


Fig.5 Trust the Rejected certificate from Ignition

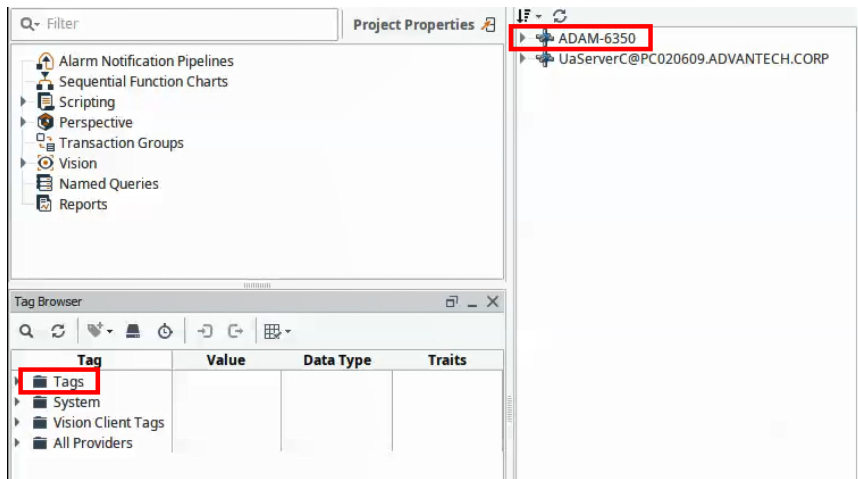


Fig.6 Make Device we created connect to ADAM-6350 again

**Step 5:**

Expand the tree in circle 6 above, and drag the tag you want to Data Access View. Then you shall see the IO status as Fig.8.

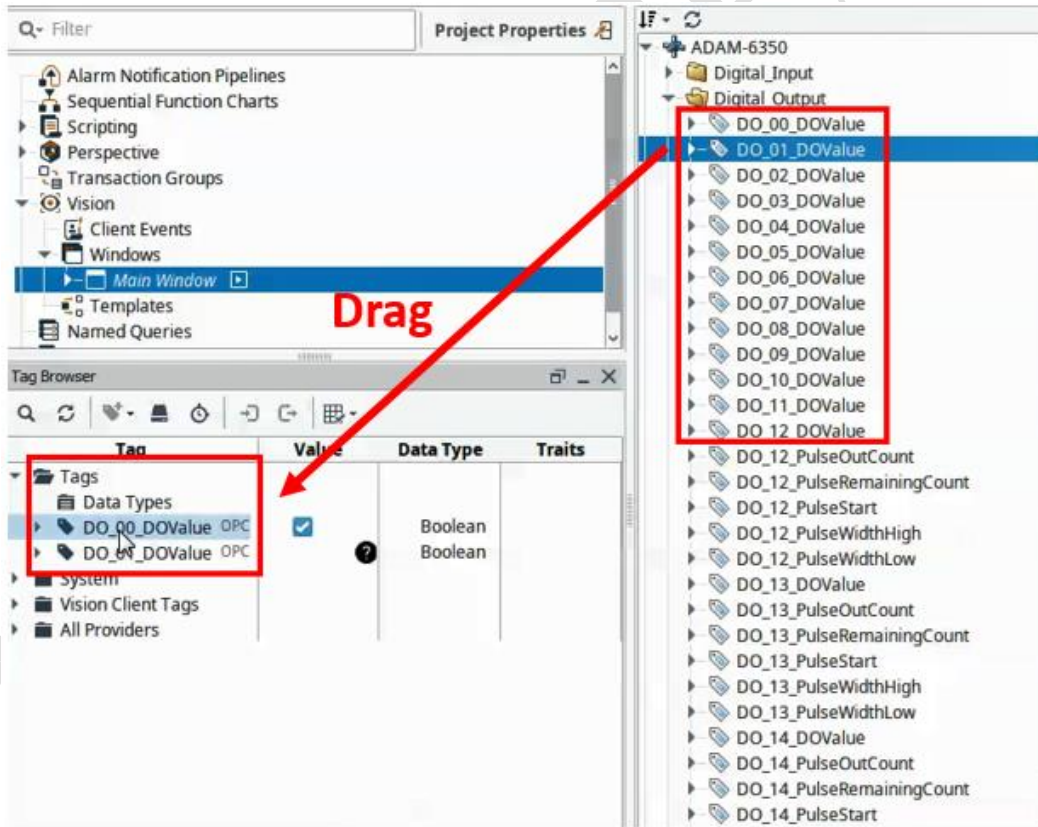


Fig.7 Drag the IO tag to Data Access View for monitoring

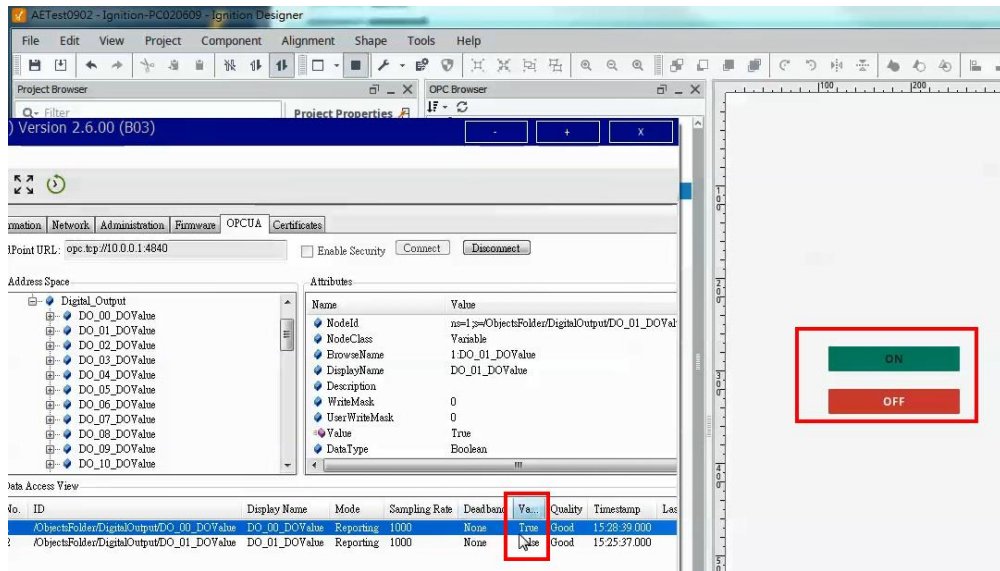


Fig.8 Monitor the IO status