Advantech AE Technical Share Document

Date	2020/9/10	Related Product	ADAM-6350-A, ADAM-6317-A, ADAM-6360D-A
Category	□FAQ ■SOP	Related OS	N/A
Abstract	How to acquire IO data via UAexpert		
Keyword	ADAM-6300, UAexpert, SCADA, ADAM-6350		
SR#	1-4599696202		
Revision History			
Date	Version	Author	Reviewer	Description
2021/9/10	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 UAexpert.

■ **Solution**:

Step1:

Open up UAexpert and right click the Servers under Project, and add an OPCUA server in custom discovery.
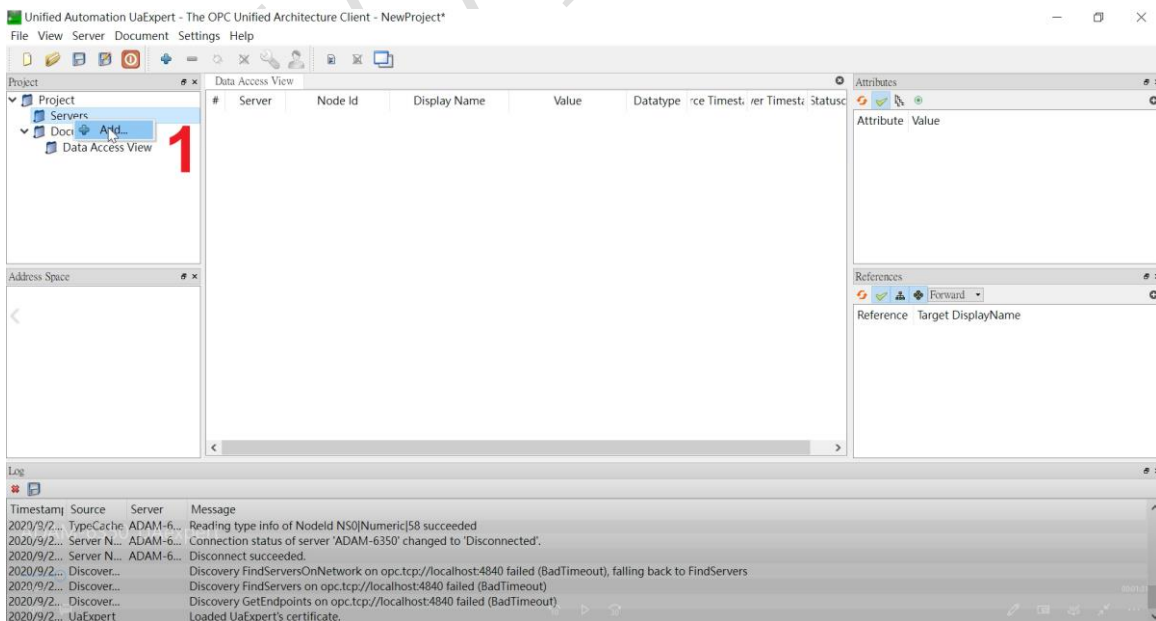

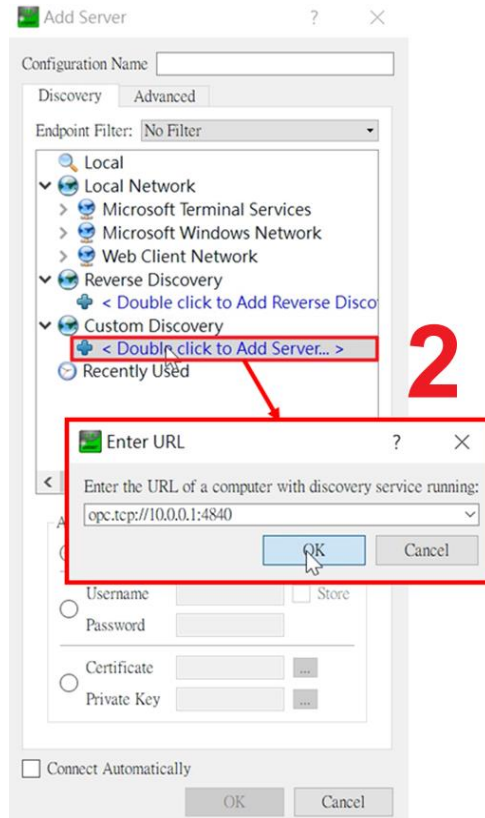Fig.1 Right click Servers under Projects to create a device

Fig.2 Add server in Custom Discovery

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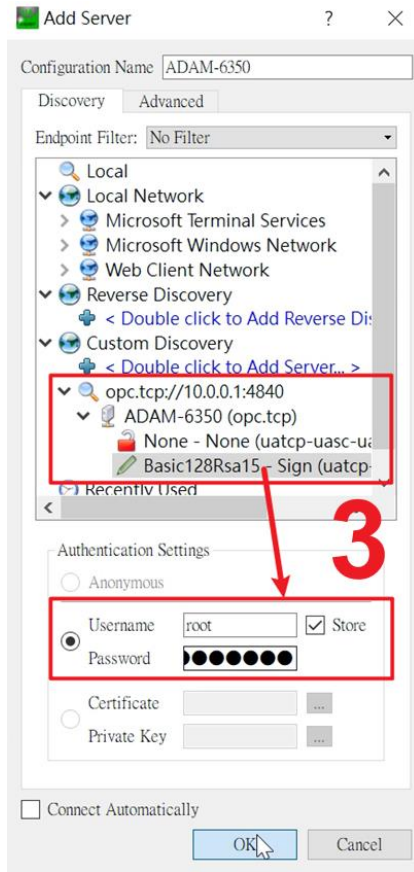
Fig.3 Choose connection type and fill in username and password

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.
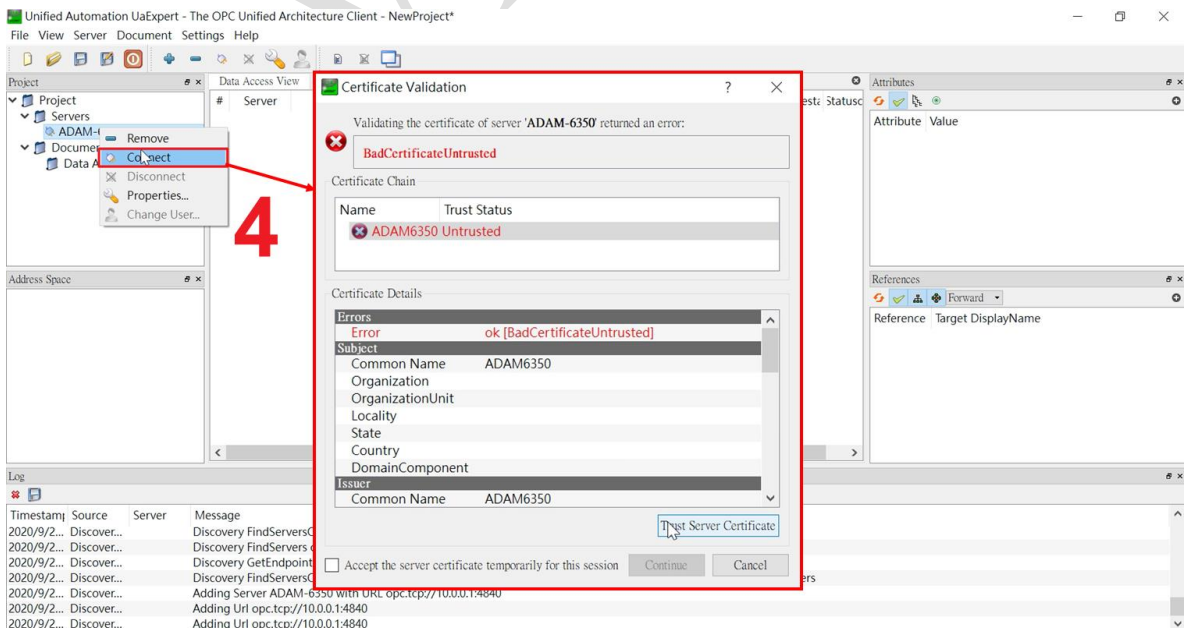

Fig.4 Trust the certificate from OPCUA Server

Step4:

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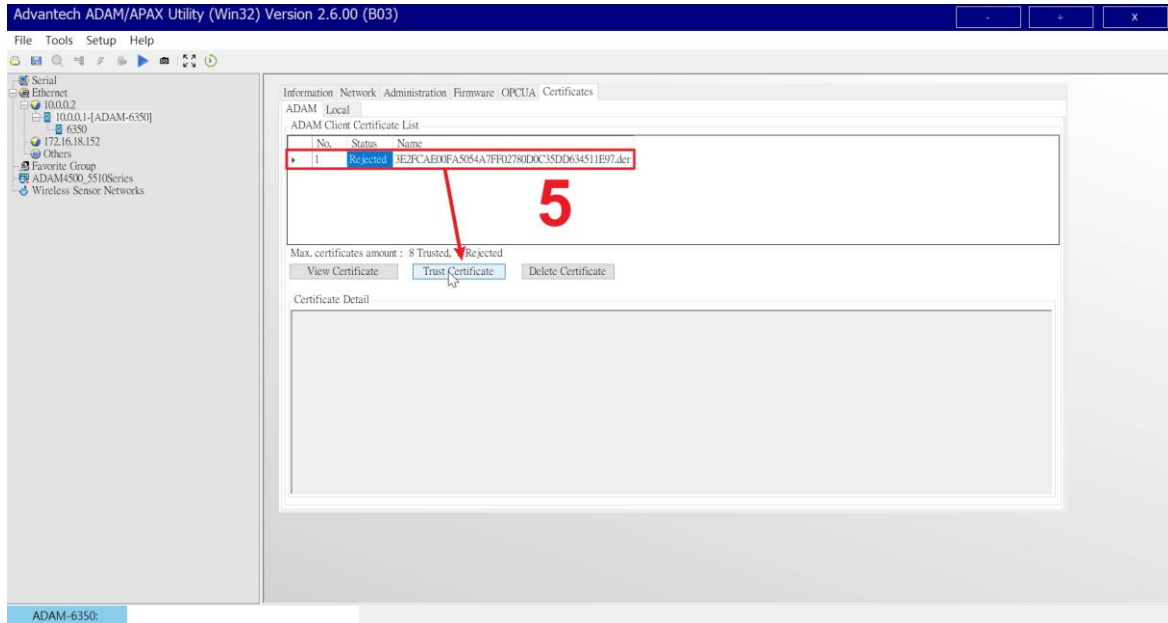

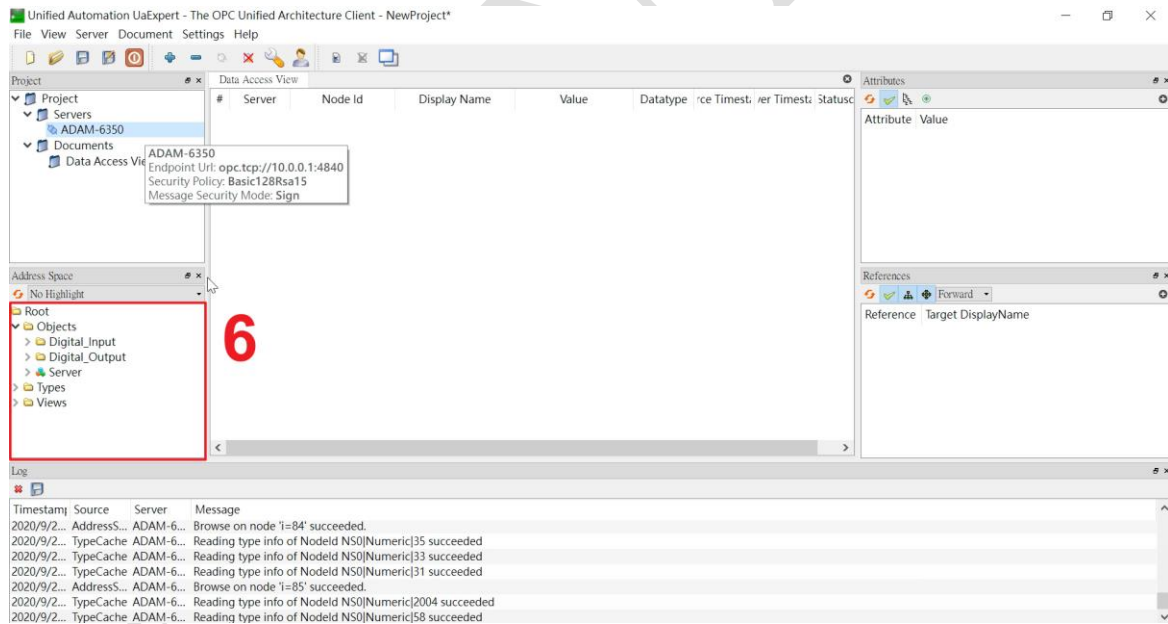Fig.5 Trust the Rejected certificate from UAexpert

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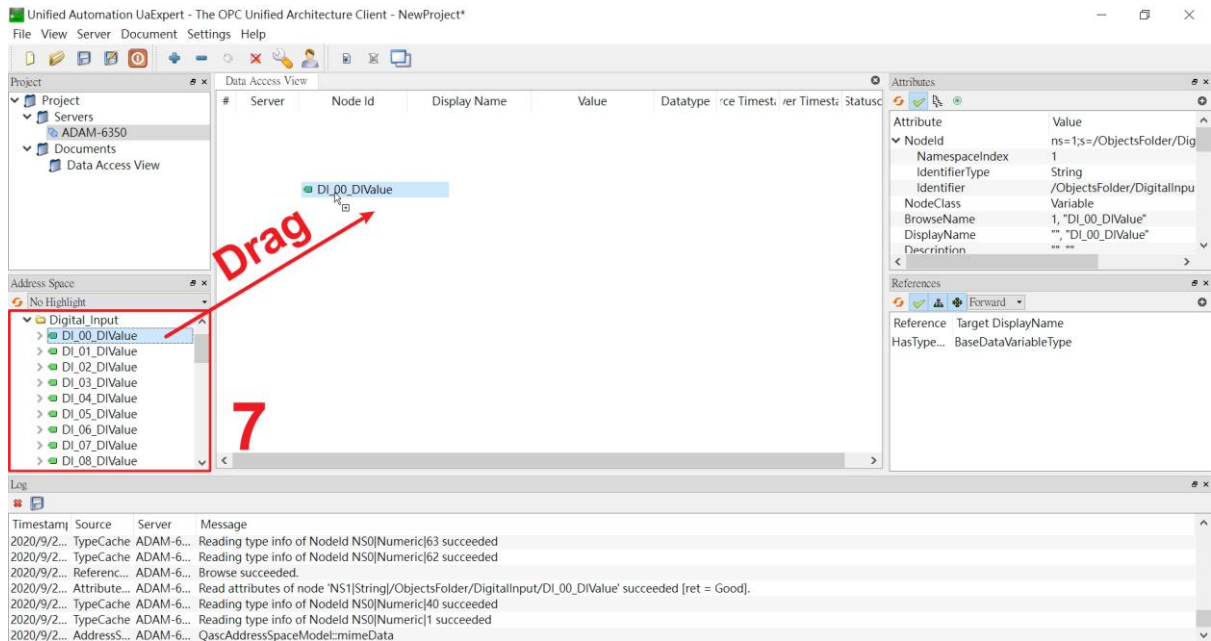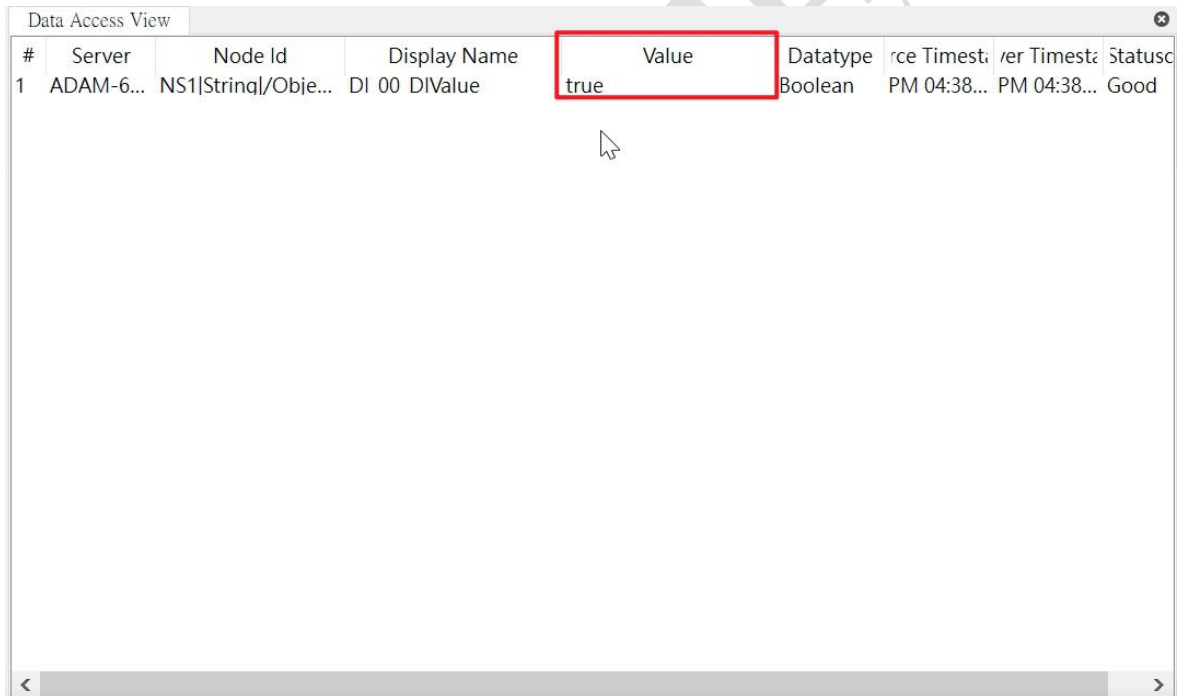
Fig.7 Drag the IO tag to Data Access View for monitoring

Fig.8 Monitor the IO status