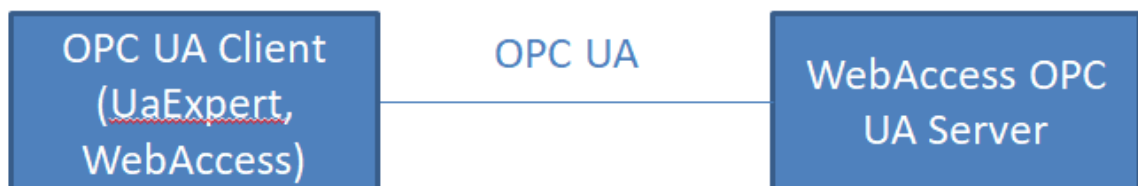


Advantech SE Technical Share Document

Date	2019 / 03 / 28	Related Product	WebAccessSCADA	
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP <input type="checkbox"/> Driver Tech Note			
Abstract	How to change Webaccess tag value through OPC UA client?			
Keyword	OPC UA			
Related OS				
Revision History				
Date	Version	Author	Reviewer	Description
2019/03/28	V1.0	Owen.Chang	Nick.Liu	

■ **Problem Description & Architecture:**

WebAccess supports both OPC UA server and client. When OPC UA server feature is enabled at SCADA node, all Webaccess tags will be imported into OPC UA server so that other third party OPC UA clients can get tag value from it.



Some customers want to change value from OPC UA client. In webaccess, the following steps must be done:

WebAccess OPC UA Server

1. Enable OPC UA Server
2. WebAccess tag property "Read Only" should be NO.
3. After downloading project, Basic128Rsa15 should be enabled at Security Setting of WebAccess UA server.

WebAccess OPC UA Client or other third party clients:

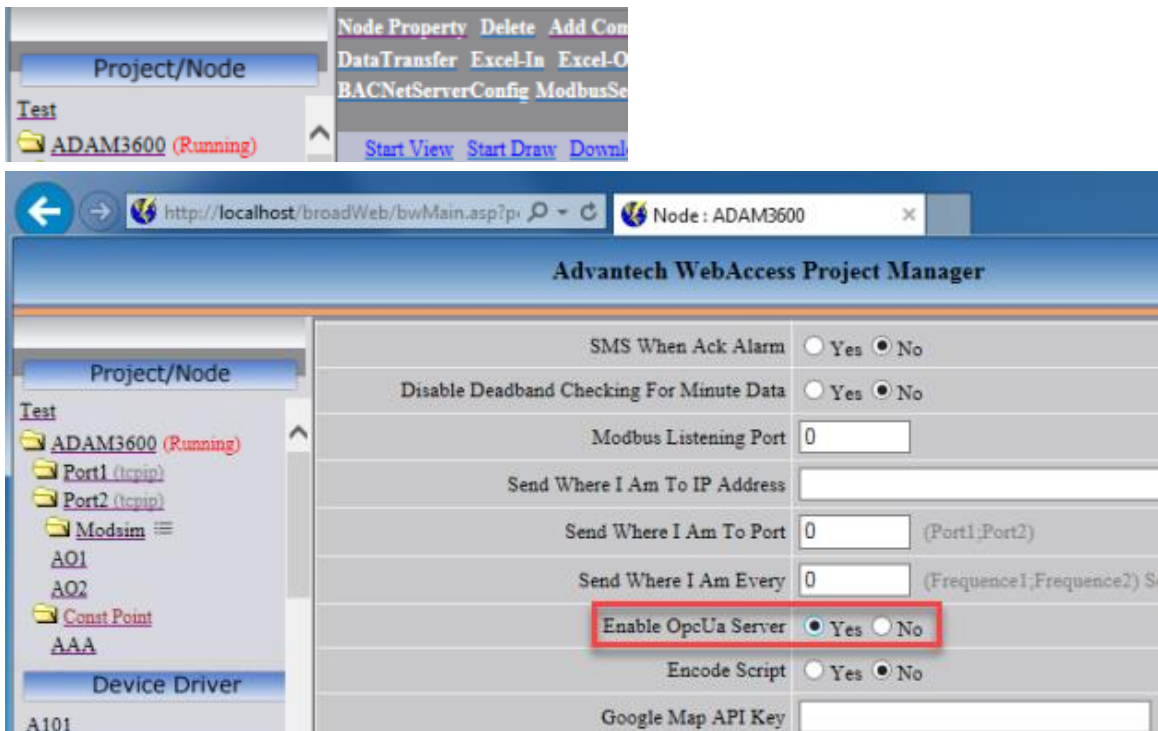
1. User authentication is necessary when connecting to OPC UA server

■ **Brief Solution - Step by Step:**

WebAccess OPC UA Server



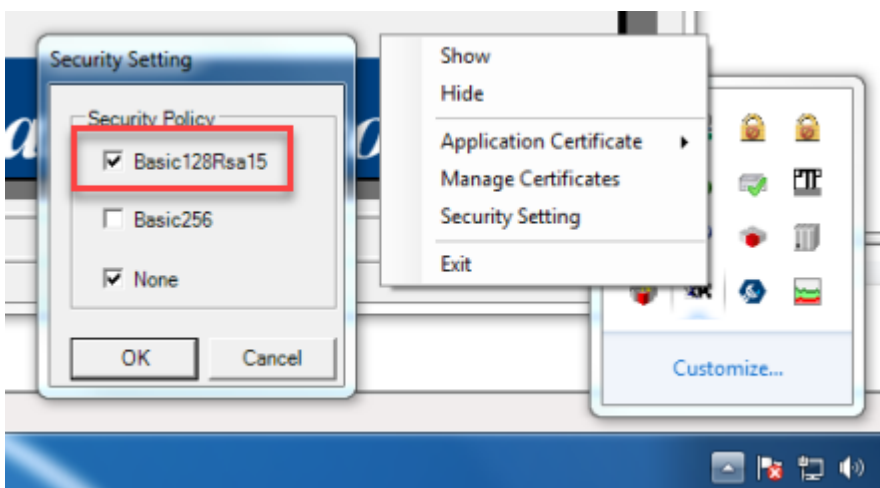
1. Enable OPC UA Server in node property



2. Tag property "Read Only" should be NO.

Tag Type	Constant (analog)
Tag Name	AAA
Description	Description
Scan Type	Constant Scan
Log Data	No
Data Log Dead Band	3 %
Write Action Log	Yes
Read Only	No

3. After downloading project,Basic128Rsa15 should be enabled at Security Setting of WebAccess UA server.



Note: Security setting will be reset after re-downloading the webaccess. Please enable Basic128Rsa15

again.

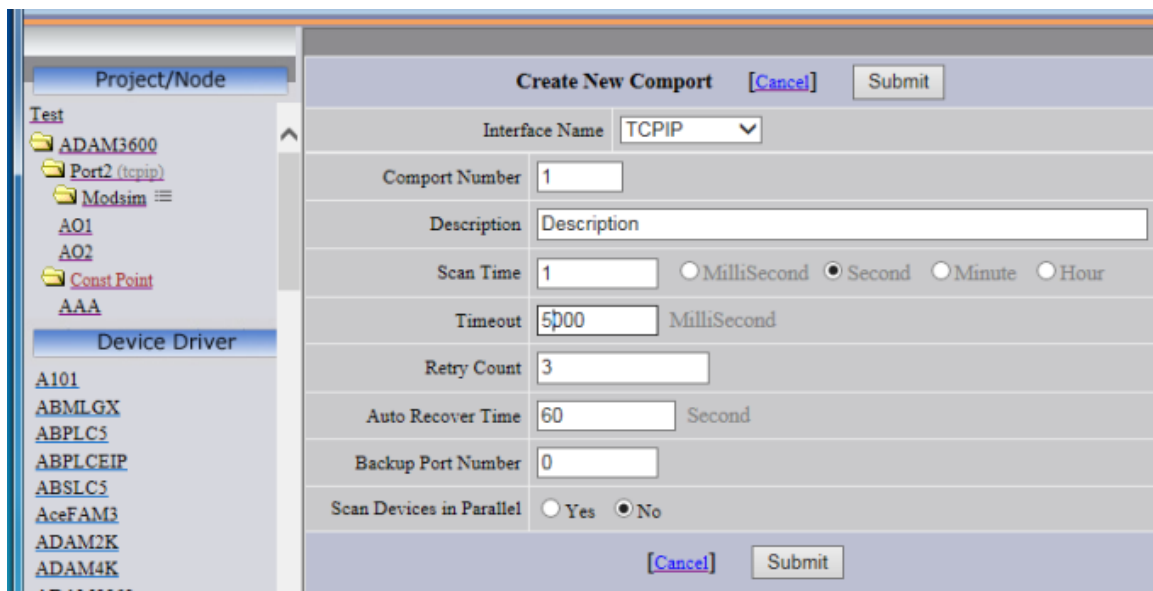
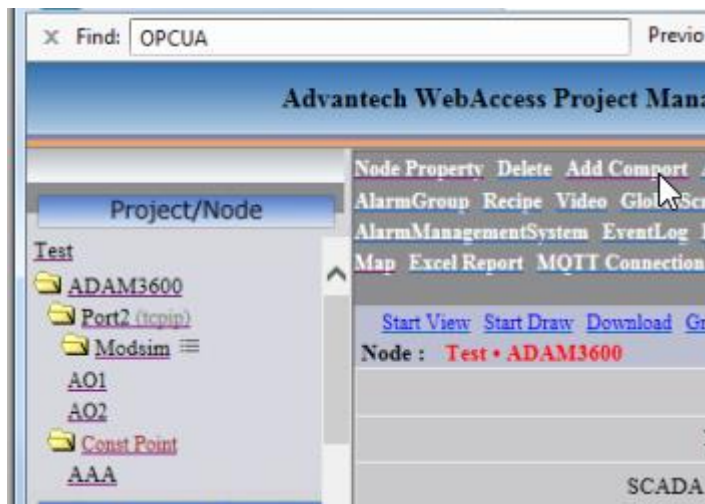
WebAccess OPC UA Client or other third party clients:



- server authentication is necessary when connecting to OPC UA server

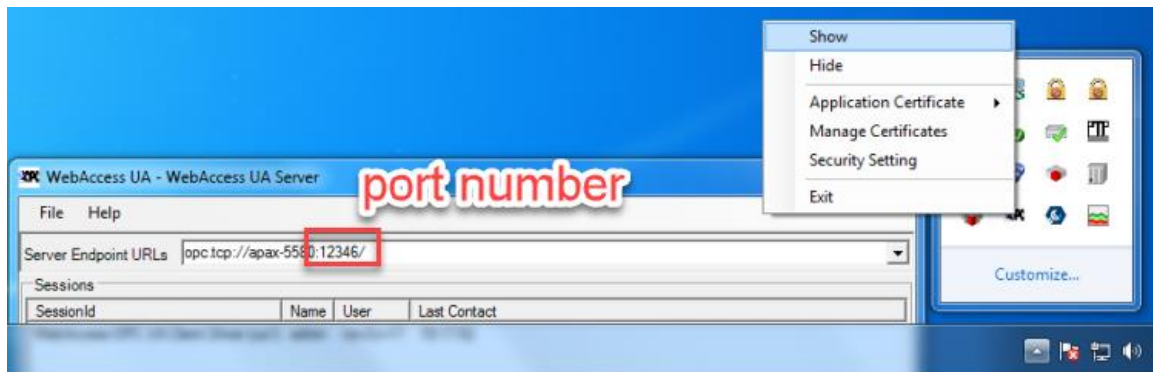
WebAccess:

- Click **Add Comport**



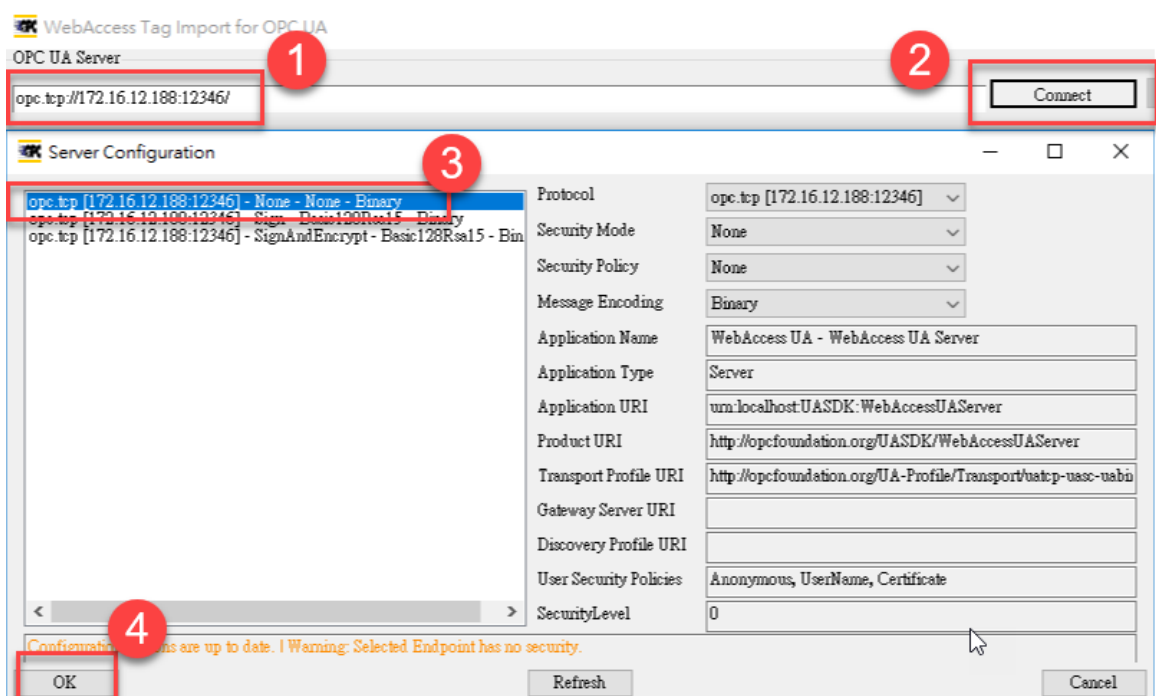
- Add OPCUA Device with authentication 1, security Policy 1 and security mode 1. User Name and Password are the same as WebAccess. WaCert.pfx is default private key located at **\WebAccess\Node\cert**. CertiPassword of WaCert.pfx is none. IP is the location of the OPC UA server and port number should be the same as the port setting in the WebAccess OPC UA Server.

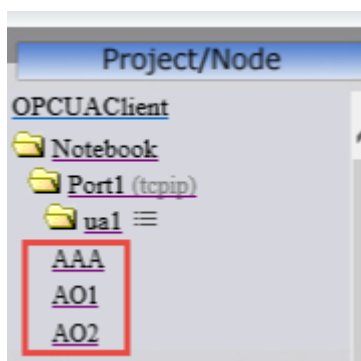
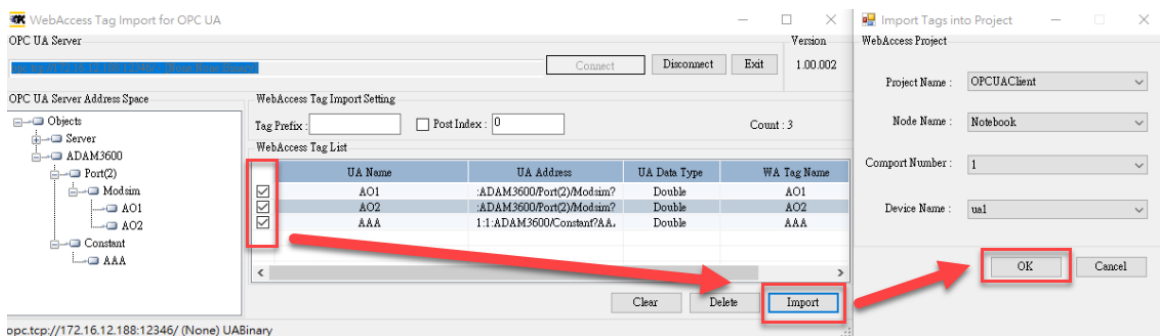
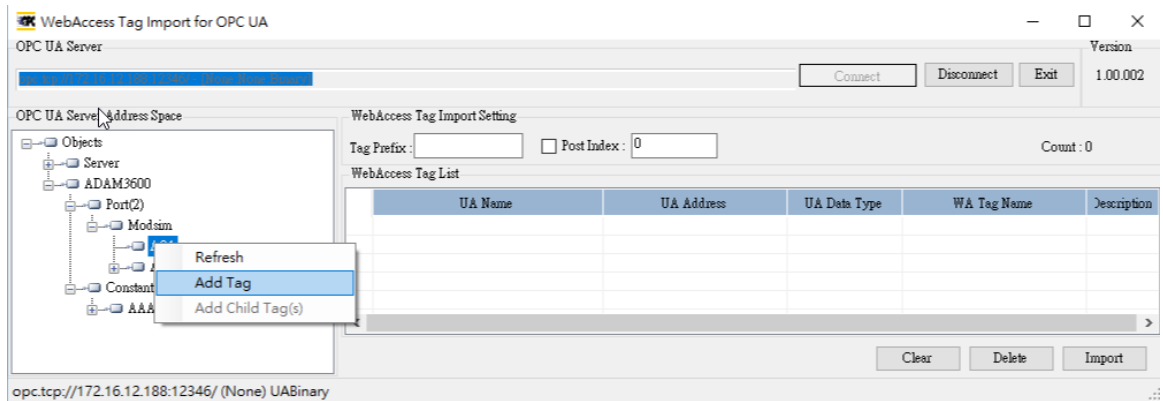
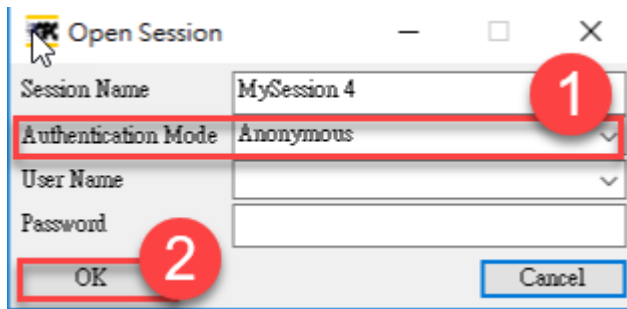
Device Property			
Device Name	ua1		
Description			
Unit Number	0		
Device Type	OPCUA		
Primary	IP Address	172.16.12.188	
	Port Number	12346	
	Device Address		
Secondary	IP Address		
	Port Number		
	Device Address		
User Name/Password/Certificate/CertPassword	admin/0000/WaCert.pfx/		
Security Policy(0:None, 1:Basic128Rsa15, 2:Basic256)	1	Security Mode(0:None, 1:Sign, 2:Sign&Encrypt)	1
Authentication(0:Anonymous, 1:UserName)	1	Create Monitor Items per Communication	10000



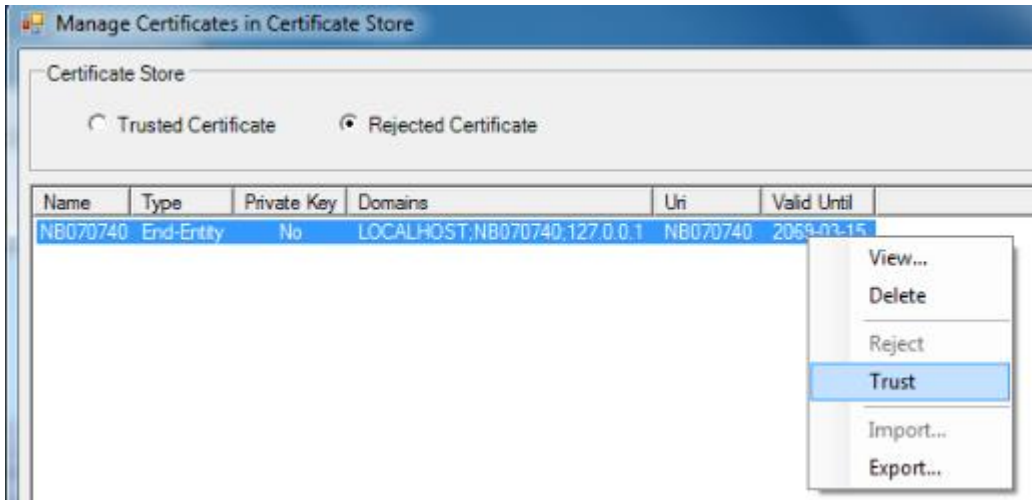
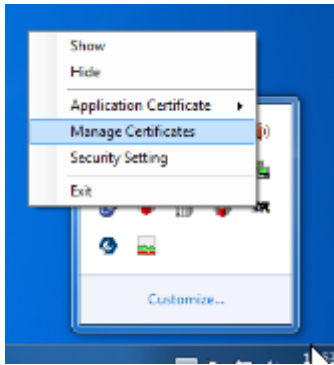
3) Import OPC UA Tag address by WebAccess OPC Import Tool located at:

C:\WebAccess\Node\tool\opcua_import_tool\opcua_import_tool\Opc.Ua.sampleClient. This tool have some bugs, users only can use None-None with Anonymous to get the OPC UA Server Address Space. Then, add tag and import into webaccess OPC UA client.



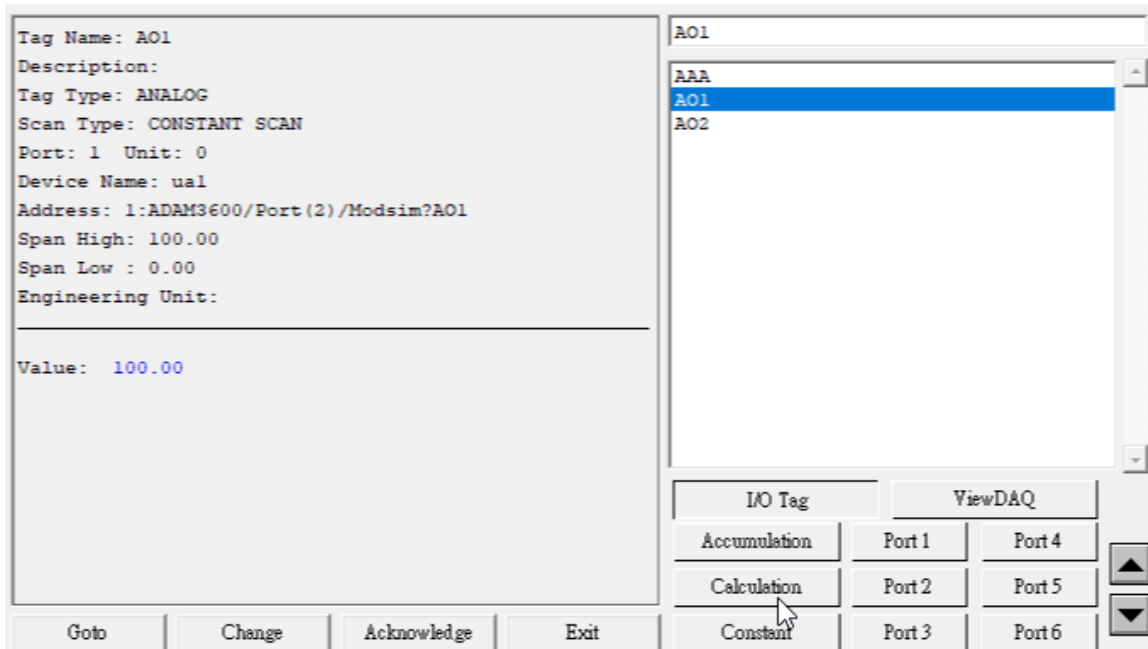


4) After downloading the project, please trust the certification from OPC UA Server.



- 5) For a while (about 1 minute), value from the OPC UA client will show.

Point Info



- 6) Check the connection (Sessions) status in OPC UA server.

