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Advantech AE Technical Share Document

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Category	□FAQ ■SOP	Related OS	N/A	
Abstract	How to import CODESYS tag into WebAccess			
Keyword	CODESYS, APAX-5580, WebAccess			
Related				
Product	APAX-5580CDS			

Problem Description:

This document shows that how to import CODESYS tag into WebAccess.

Answer:

In order to be able to make CODESYS variables can be read and write in WebAccess, CODESYS use a PLC Handler API for seamless integration with WebAccess. CODESYS RTE, <u>CODESYS Gateway software included in CODESYS IDE installation file</u> and WebAccess SCADA node are must be installed on APAX-5580. The first, in CODESYS, user can use the <u>symbol configuration</u> for creating symbol descriptions for project variables and download the project to APAX-5580. Then, in WebAccess, create a project, add a SCADA node. Last, use <u>importExternalData->ImportAdvPAC Tags</u> to import CODESYS variables and download project to run. The following is step by step to demonstrate how it works.

1. Create variable in CODESYS

Test_PLC_Handler.project* - CODESYS	_					
<u>File E</u> dit <u>V</u> iew <u>P</u> roject FBD/LD/IL <u>B</u> uild <u>O</u> nline <u>D</u> eb	oug <u>T</u> ools <u>W</u> indow <u>H</u> elp					
🎦 📽 🔚 🎒 🗠 🖙 🍐 🖿 🛍 🗙 🔺	🛛 🎋 🎋 🖺 🛅 + 👔 🎬 🥞 🧐 🕠					
-	画 〒十茶茶木					
Devices • 7 × PLC_PRG × Device						
Test_PLC_Handler	1 PROGRAM PLC PRG					
IA Device (Advantech SoftMotion x86 RTE V3)	□ 2 VAR					
🗐 📳 PLC Logic	3 bA: BOOL;					
🖹 💮 Application	4 iB: INT := 123;					
Library Manager	<pre>5 sC: STRING := 'Hello';</pre>					
PLC PRG (PRG)	6 END_VAR					
System_Diagnosis (System Diagnosis)						
SoftMotion General Axis Pool						

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2. Add Symbol Configuration



3. Execute "Build" command to be able to select variable.



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4. Select variable a user want to show it on WebAccess, and then download the project to APAX-5580.



5. In SCADA node, import the tag by importExternalData->ImportAdvPAC Tags.

	A	dvantech W	/ebAccess Project Man	ager	Quick Start Help Home Log
Project/Node advpacstruct advpacstruct advpacstruct Device Driver	Node Property Delete Add Comport AccPoint CalcPoint ConstPoint SysPoint FacePlate RealTimeTrend DataLogTrend AlarmGroup Recipe Video GlobalScript UserProgram DataTransfer Excel-In Excel-Out Report Scheduler ClassroomScheduler AlarmManagementSystem EventLog KeyMapping ImportExternalData DemandControl BACNetServerConfig ModbusServerConfig GoogleMap Excel Report Start View Start Draw Download Graph Only Start Node Stop Node				
A101 ABMLGX ABPLC5 ABSLC5	Node Type Professional Version Node Name node Node Description				
Project/Node		Node :	advpacstruct • node		
advpacstruct advpacstruct Device Driver A101 ABMLGX ABPLC5 ADDLOS		Import ADA Import ADA Import BAS	M5550 memory variable M5510KW IO and memo 2000 IO	<u>s</u> pry variables	
		Import BAS Import Lon	3000 memory variables works Network Variables X-5000/6000 Variables	2	
ABSLC5 AceFAM3 ADAM2K ADAM4K	~	Import ADA	M-3600 Tags PAC Tags		
ADAM5560		Cancel			

6. It will show the import information including the variable a user import.

		Advantech WebAccess Project Manager
Project/Node CDSimport SCADA Port1 (api) ndc1 = bA IB	Import device: plc1 Import bA Import B Import sC Imported 3 tags for Device plc1	Success, 3 tags imported!
SC Import time	Import time=1.265625 seconds ≡	<u>ok</u>

7. Download project, then run.