2. Test installation <26> (20160301)

TERRY 20160208: this is internal info... tells how to set things up. Most important is 2.4 "TIA".

This chapter shows how to setup the test system.

2.x. (from ReqSpec)
2.0. overview of installation files
2.1a. TC (ESX VM)
2.1b. TC (local VM)
2.2. NX-AD
2.3. EPLAN
2.4. TIA (local VM) (local install?)

2.x. (from ReqSpec)

6.9.3.1 Deployment Scenarios

There are two relevant deployment scenarios for AD/ELD. They are related to the deployment of the target software tool TIA Portal. Teamcenter is always installed on a different machine.

Deployment Scenario A

TIA Portal is installed on the same physical computer as AD/ELD.

Deployment Scenario B

TIA Portal is installed on a virtual machine that is hosted on the same physical machine AD/ELD is installed on. TIA Portal₁₁ is installed on a virtual machine that is hosted on the same physical machine AD/ELD is installed on.

The performance requirements of both Deployment Scenarios shall be exactly the same. The minimum memory requirements for AD/ELD are 16GB and the allowance for AD/ELD shall always assume a TIA Portal VM is present. The resulting performance differences between the scenarios are not deemed big enough to merit separate tracking.

6.9.1 System Requirements

To enable cost efficient IT-infrastructure, fulfill changing market requirements towards modern ITinfrastructure and services and to keep own development efforts on a reasonable level, AD/ELD shall support selected software and hardware; those are being supported by NX and Tc (NX, Tc Software and Hardware Certifications) already at the time of each delivery of this software.

Requirement

Operation System [ELD-X12-2a]

AD/ELD shall support Microsoft Windows operating systems which are supported by NX 12.

Hardware systems [ELD-X12-2b]

AD/ELD shall support only hardware systems designed for Microsoft Windows operating systems which are certified for NX 12.

No specialized testing on systems is expected for AD.

6.9.2 Compatible Versions of external tools

System integrity requires a defined behaviour regarding the support of different versions of external tools.

Requirement

Supported EPLAN version

AD V2 will support the current official product release of EPLAN electrical P8 that is available at feature freeze time plus its predecessor version 2.5 of EPLAN P8 (which is supported by AD V1).

Supported TIA Portal version

AD V2 will support TIA Portal V14SP1+Upd. There is no need to migrate AD V1 TIAP data.

6.9.5 Licensing and installation

An installation routine shall ease the software installation. On sites of well managed software distribution environment, the software shall be installed via automated software distribution system.

Requirement

Manual client installation of the application [ELD-X12-5a]

There shall be a simple installation routine delivered out of the box to support easy client installation of the application AD/ELD

Server installation of AD/ELD [ELD-X12-5b]

There shall be an installation routine delivered to support server installation e.g. to add or install reavant Tc items for AD/ELD.

Support a licensing concept [ELD-X12-5c]

AD/ELD will be purchasable in several scalable modularizations.

Therefore the system shall support to enable and disable product functions depending on the licensing according to the licencing concept defined by the PRM

License based menu control [ELD-X12-5d]

Depending on the Product Definition (PD) decision, the system shall enable or disable (gray out or hide) licensed product functions.

6.9.7 Demo project

There must be demo projects supplied with the product for different purposes.

For e.g.:

□ For sales reason: to do a standard product feature demos

□ For training purposes (internal and external customers can retrace product functionalities)

□ For testing new versions in a defined project environment

Requirement

Demo projects according to IEC Standard [ELD-X12-7a]

AD/ELD shall provide demo projects according to IEC Standard that

□ Show all product features as example, those have been implemented so far

 $\hfill\square$ Represents typical design of machine and line building

2.0. Overview of installation files (20151207)



2.0.1. TC ======

1. ESX VM (Florian) (recommended)



2. Local VM

\\debonkl0c19\ADNX\VMs\TIAPortal VMAD_TIAPortal_V13SP1Upd4_I.29_B.01.7z

2.0.2. SME =====

1. "installer"

 $\label{eq:https://asrdwiki.siemens.com/AD/index.php?title=SME_NX11_1537_S47 \\ \end{tabular} ADNX\end{tabular} SME\SME_NX11_1537_S47_Patch1.7z \\$

2.0.3. EPLAN ======

1. installer

 $\label{eq:label_loc19} ADNX \Tools \EPLAN \Electric P8_2.5 \end{tabular} end{tabular} end{tabular} and \end{tabular} a$

2. macros

\\debonkl0c19\ADNX\Teams\PRM\ExampleData and Geometries\ExampleProjects\Universal Templates\EPLAN_Macros



2.0.4. TIA ======

1. Local VM (recommended)

\\debonkl0c19\ADNX\VMs\TIAPortal VMAD_TIAPortal_V13SP1Upd4_I.29_B.01.7z

2. installer

3. FD4 project

2.1a. TC (ESX VM) (20151201)

TC (ESX VM or local VM)	EPLAN (local install)
NX-AD-LD (local SME)	TIA (local VM or local install)
This GS assumes that you have a page discussion view source history print as pdf wat	ccess to Team Center on an ESX Server.
Virtual Teamcenter Servers on the ESX	Server Bonn

Information about the virtual Teamcenter servers available on the Bonn ESX Server. Only reachable from the Bonn Network.

2 Available Machines

All the VM's can be used for general development!

IP Address 🗢	Special Purpose	TC Version	User	PW	License Expires On
192.168.117.106		11.2.1 P16 Deploy 13	PL1INPUN0011V0\infodba	Ame1234%	2016-02-15
192.168.117.107	Documentation	11.2.1 P16 Deploy 13 fix	PL1INPUN0011V0\infodba	Ame1234%	2016-02-15
192.168.117.108	Documentation	11.2 P56 Deploy 10	PL1INPUN0010V0\ntpriv	Ame1234%	2016-02-15
192.168.117.109		11.2.1 P16 Deploy 13 fix	PL1INPUN0011V0\infodba	Ame1234%	2016-02-15
192.168.117.110	Spanntisch Video Demo.	11.2 P56 Deploy 10	PL1INPUN0010V0\ntpriv	Ame1234%%	2016-02-15

Connection info for 108,109,110.

Construction of the second secon	Annexes in the environment of the envinter of the envisorement of the environment of the environment of	Windows Scherteit
Construction of the second secon	De Renseurgester kann aufgend ein Scherbeitung der Anstätten auf eine Scherbeitung der Anstätten Scherbeitung Der Anstätten Für Scherbeitung Für Scherbeitung Für Scherbeitung Sch	PLISHUKOSUVYRPI/ PLISHUKOSUVYRPI/ PLISHUKOSUVYRPI/ PLISHUKOSUVYRPI/ PLISHUKOSUVYRPI/ PASSWORD = Ame
Annedderformationen eingeben Dese Averdiderformationen eingeben Dese Averdiderforationen weidenfür dachestellen eine Verbindung wir 19216127.09 verwentet.	Microsoft Sector (Construction)	Florian TC for Z:\IPROJECT_SHARE_WITH_CYP]\VMs VMAD_TC11.2_DEAP_Video_201511.7z
WW004/2003H43X	Datika scage.	Annelderkomationen eingeben Dass Annelderkomstense verten für das Nestalles einer Yerbodung ein 192 / 1882 T310 versicht.
Breview MOLINCIC Arrie		MD11WC8C/repriv password = Ame+ extra "%"
CK Abbechan		\\debonkl0c19\ADNX\IPROIECT_SHARE_WITH_0 \Videos\SYS-PEG_2015-11-12
		brow fixture table

20151201 110. PW = Am...4%%% (TERRY change it)



Need to also change PW for services.



2.1b. TC (local VM) (20151208) xxx



2.2. NX-AD (local SME) (20151210)



Florian recommended this version to avoid LD problem. https://asrdwiki.siemens.com/AD/index.php?title=SME_NX11_1537_S47 Bonn: \\debonkl0c19\ADNX\Repository\SME\SME NX11 1537 S47 Patch1.7z

Name	Internegidation.	Type	Gottle
A 100223 A 1	1711.2015 1545	Dataiondner	
A_1	2531.2085 1547	Oxtelordner	
🔒 8028_A2	011220130852	Detelordner	
31153836,223825,8uild	2728.2015.00-09	Date or driver	
(#) ottingsand	06.05.208.5 12.45	30%-Ockament	2.62
SHE AK11 1537 SHT Fund-271	053830851758	Tz Andhine	2.312.813 68
Bart,NCASet,TC3Make	25-25-2513 30-00	W5orpt-Skrptakei	4.55
Start, NC 464, TC 550, ROM-Hox	1721.3085 1445	Willorgt-Skiptane	4.63
Rent NOL464(70,5M,CVP.464	28.08.2085 20.05	WSorigt-Skriptami	2.62
2 Int.NOMe.7C3NUMPer	25.09.208.5 30.00	V85org4-Skiptana	3.60
E Start, NC, Performance.ext	06/05/2015 1542	Anvendung	38.65
S 1C Red 4-Texhat	262820551548	Windows-Batchda-	6.63

1. hosts 192.168.117.110 PL1INPUN0010V0

192.168.117.109 PL1INPUN0011V0

2. vbs

Dim oExec = Wscript.CreateObject("WScript.Shell") Set shell = Wscript.CreateObject("Scripting.FileSystemObject") Set fso Set wshNetwork = WScript.CreateObject("WScript.Network") strComputerName = wshNetwork.ComputerName = shell.Environment("Process") Set env Set wshSystemEnv = shell.Environment("SYSTEM") ugbase=shell.CurrentDirectory+"\20150926_223825_Build" libpath=ugbase+"\nxbin" env("UGII LIB PATH")=libpath env("SPLM_LICENSE_SERVER")="28000@DEBONKL0C19.WW004.SIEMENS.NET,28000@DEBONMH0C09.WW004.SIEMENS.NET,28000@debonkl0c 13.WW004.SIEMENS.NET,28000@VMADNxLicSrv" env("UGII_DISPLAY_DEBUG")="1' env("UGII_MANIFEST_DEF_DIR")=ugbase+"\automation_designer" env("UGII_MANIFEST_FILE_NAME")="ame_ui.cmf;are_ui.cmf" env("path")=libpath+";%path%" env("UGII_BASE_DIR")=ugbase env("IP_BUILD_DIR")=ugbase env("UGII_KF_CLASS_DIR")=ugbase+"\ugii\dfa" env("UGII_MANAGED_DLL_PATH")=ugbase+"\nxbin\managed" env("UGII_PMAN_XML_DEF_DIR")=ugbase+"\ugii" env("UGII_SPECIAL_SCHEMA_DIR")=ugbase+"\ugii\ugschema" env("UGII_APPL_POPUP_MENU_FILE")=ugbase+"\ugii\menus\ug_application_popup.men" env("UGII_ENV_FILE")=ugbase+"\ugii\ugii_env.dat env("UGII_DEFAULT_MENU_DIR")=ugbase+"\ugii\menus" env("UGII_CUSTOM_FEATURE_DEF_DIR")=ugbase+"\ugopen" env("UGII_NO_NLM")="1' env("UGII CHECKING LEVEL")="0" env("UDU_ROOTS")=ugbase+"\ugii" env("JRE_HOME") = ugbase + "\jre" env("FMS_HOME") = ugbase + "\tccs" env("FCC_CONFIG")=ugbase+"\fcc_local_primeServer.xml" env("UGII_UGMGR_COMMUNICATION")="HTTP" REM env("UGII_UGMGR_HTTP_URL")="http://PL1INPUN0010V0:8080/tc/aiws/aiwebservice" REM terry DEAP REM env("UGII_UGMGR_HTTP_URL")="http://192.168.117.110:8080/tc/aiws/aiwebservice" env("UGII UGMGR HTTP URL")="http://PL1INPUN0010V0:8080/tc/aiws/aiwebservice" MsgBox "PL1INPUN0010V0" env("TC_ROOT")=' env("IMAN_ROOT")=" env("TC_DATA")=' env("IMAN_DATA")="" env("UGCHECKMATE_USER_DIR") = ugbase+"\automation_designer\checker" $env("EPLAN_DEFAULT_PROJ_TEMPLATE") = ugbase + "\automation_designer\adgent\IEC_bas001.zw9"$ env("Siemens_ADAgent_ExecutionPath")=ugbase + "\automation_designer\adagent\Siemens_AutomationDesigner.ADAgentULexe" env("FCC_JAVA") = ugbase + "\jre" env("TCCS_JAVA") = ugbase + "\jre" env("FMS_FCCSTARTUPLOG") = "% temp% \fccstartup.log" env("JRE64_HOME") = ugbase + "\jre' env("JAVA_HOME") = ugbase + "\jre"

env("JAVA64_HOME") = ugbase + "\jre" 'Running fcc commands fccCmds = Array("%FMS_HOME%\bin\fccstat -restart", "%FMS_HOME%\bin\fccstat -clear") For Each strCmd In fccCmds Set oExec = shell.Exec(strCmd) Do While oExec.Status = 0WScript.Sleep 100 Loop If ERRORLEVEL <> 0 Then WScript.Echo "FCC Failed to Start" WScript.Echo "- Check hosts file for correct PL1INPUN0010V0 IP address" WScript.Echo "- Check running service for valid server license or stop it if issue persist" WScript.Echo "- Kill java.exe process in Task-Manager if issue still persist" End If Next if fso.FileExists(ugbase+"\sme\ugraf.exe") Then shell.Run("""" + ugbase + "\sme\ugraf.exe" + """" + " -pim=yes -u=eng_user1 -p=eng_user1 -AD") REM shell.Run("""" + ugbase + "\sme\ugraf.exe" + """" + " -pim=yes -u=.\ntpriv -p=Ame1234%% -AD") REM shell.Run("""" + ugbase + "\sme\ugraf.exe" + """" + " -pim=yes -u=infodba -p=infodba -AD") MsgBox "xxxxxxeeeeeeeeee" else MsgBox "Error: There is no image at that location", 16, "Critical Error" end if 3. fcc local primeServer.xml <?xml version="1.0" encoding="UTF-8"?> <!DOCTYPE fccconfig SYSTEM "fccconfig.dtd"> < !-bcprt

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- COPYRIGHT 2007 UGS CORP. ALL RIGHTS RESERVED

ecprt -->

<fccconfig version="1.3.2">

<fccdefaults>

- <!-- general -->
- <!-- <property name="FCC_LogFile" value="\$HOME\fcc.log/tmp/\$USER/fcc.log" overridable="true"/> -->
- <!--- <property name="FCC_LogLevel" value="WARNING" overridable="true"/> --> <!--- <property name="FCC_TraceLevel" value="" overridable="true"/> -->
- <!-- <property name="FCC_WebRaidThreshold" value="32K" overridable="true"/> -->

- <!-- <property name="FCC_MaxWANSources" value="8" overridable="true"/> --> <!-- <property name="FCC_ProxyPipeName" value="\\.\pipe\FMSClientPipe\/tmp/FMSClientPipe" overridable="true"/> -->
- <!-- <property name="FCC_FSCConnectionRetryInterval" value="5000" overridable="true"/> -->

<!--- <property name="FCC_StatusFrequency" value="1000" overridable="true"/> --> <!--- <property name="FCC_EnableDirectFSCRouting" value="true" overridable="true"/> -->

- <!-- As of Teamcenter 9.0, FCC_IdleTimeoutMinutes is deprecated, and will be ignored. -->
- <!-- Please use the TCCS container timeout for FCC idle shutdown functionality.
- <!-- This parameter is for background task processing, not for idle timeout. -->
- <!-- <property name="FCC_MinimumBackgroundIdleTimeSeconds" value="5" overridable="true"/> -->
- <!-- <property name="FCC_MaxBackgroundRetries" value="3" overridable="true"/> -->

<!-- common cache -->

```
<!--- <property name="FCC_CacheLocation" value="$HOME\FCCCache|/tmp/FCCCache" overridable="true"/> -->
```

<!-- whole file cache -->

- <!-- <property name="FCC_CacheTableHashSize" value="1000" overridable="true"/> -->
- <!--- <property name="FCC_MaxWriteCacheSize" value="1G" overridable="true"/> --> <!--- <property name="FCC_MaxReadCacheSize" value="1G" overridable="true"/> -->
- <!-- <property name="FCC_MinimumReadCacheAgeMinutes" value="240" overridable="true"/> -->
- <!--- <property name="FCC_MinimumWriteCacheAgeMinutes" value="10" overridable="true"/> --> <!--- <property name="FCC_MaximumReadCacheAge" value="180" overridable="true"/> -->

- <!-- <property name="FCC_MaximumWriteCacheAge" value="180" overridable="true"/> -->
 <!-- <property name="FCC_ReadCachePurgeSizePercentage" value="25" overridable="true"/> -->
- <!-- <property name="FCC_WriteCachePurgeSizePercentage" value="25" overridable="true"/> -->
- <!-- <property name="FCC_CachePurgeCycle" value="5000" overridable="true"/> -->
- <!-- <property name="FCC_WholeFileCacheSubdirectories" value="30" overridable="true"/> -->
- <!-- segment cache -->
- <!-- <property name="FCC_MaximumNumberOfFilePages" value="40960" overridable="true"/> -->
- <!-- <property name="FCC_MaximumNumberOfSegments" value="512" overridable="true"/>-->
- <!-- <property name="FCC_HashBlockPages" value="2048" overridable="true"/> -->
- <!--- <property name="FCC_MaxExtentFiles" value="32" overridable="true"/> --> <!--- <property name="FCC_MaxExtentFileSizeMegabytes" value="16" overridable="true"/> -->
- <!-- external site access definition -->
- <!-- <site id="013B998A65427E" overridable="true"> -->
- <!-- <parentfsc address="localhost:4567" priority="0"/> -->
- <!-- <parentfsc address="myserverhost:4444" priority="1"/> -->
- <!-- <assignment mode="parentfsc" /> -->
- <!-- </site> -->
- </fccdefaults>
- <!-- default parentfsc this is a marker that will be overwritten by the installer -->
- <parentfsc address="http://PL1INPUN0010V0:4544/" priority="0" /> </fccconfig>

4. Reuse library

Reuse libray must contain

1. EOs for AD

Reuse Library
Name
🖃 🍰 Classification Root
- 🏭 3D Catalog [1]
🖃 🏭 Engineering Object [50]
Aspectnode [2]
🕕 🎆 Connector [0]
🕕 🏭 Device [39]
🕀 🋅 Devicefunction [3]
🕀 🋅 EPLAN Macro [0]
🏭 Page [0]
👪 Project [0]
🕀 🋅 Software [3]
🏭 Symbol [0]
🔤 🏭 Template [3]
🕀 💼 Resource Management
🕂 鐗 Mechatronics Concept Designer
+ 🌃 Reuse Examples
🗄 🌃 Custom Symbol Library
🗄 🎬 Cadenas Library

2. Conveyors for LD.



2.3. EPLAN (local install) (20151216)



🐌 \\debonkl0c19\ADNX\Teams\PRM\ExampleD	ata and Geometries\Ex	ampleProjects\Universa	al Templates\EPL	AN_Project_Template
Name	Änderungsdatum	Тур	Größe	
AD_EPLAN_Project_Template_V22.zw9	03.02.2015 12:57 04.09.2015 11:07	EPLAN data backu EPLAN data backu	14.720 KB 12.029 KB	



test (generate EPLAN) 20151201: was getting this error.



Sebastian did this on terry machine. Movie:

\\debonkl0c19\ADNX\Teams\Documentation\10_Meetings 20151130_sebastian_fix_new_eplan_DB.mp4

2.4. TIA (local VM) (20160112)



Much of the info (especially 2.4.3) here is from

 $https://asrdwiki.siemens.com/AD/index.php?title=How_to_use_TIA_VM$

This section decribes how to

- 1. Start the VM
- 2. Create S300 project (from the FD4-without-startdrive S1500 project). AD requires S300.
- 3. import/export from/to TIA.
- 4. test basic call fixes, connect SW, etc.

Contents

- 2.4.1. VM startup
- 2.4.1b. S1500 overview
- 2.4.2. Create S300 project
 - 1. copy fd4 project to vm
 - 2. add s300 hw
 - 3. change OB to STL
 - 4. copy s1500 posdev, g120
 - 5. modify s1500 rbat and copy
 - 6. fix TAGS
 - 7. RESULT
- 2.4.3. Connect TIA + AD
 - 1. (2.3). Set IP address of VM
 - 2. (2.5). Copy ADAgent from SME folder (ONLY SME)
 - 3. (2.7). Start ADAgent (terry movie 1 11:52)
 - 4. Set in .vbs ADAGENT_REMOTE_ADDRESS_FOR_TIA
 - 5. map drive (20160112)
- 2.4.4. Test import HW/SW
 - 1. Receive HW
 - 2. Receive SW
- 2.4.5. Test export to TIA
 - 1. set network address (do this earlier?)
 - 2. send data (export)
 - 3. open result
- 2.4.6. Test SW config (NEW)
 - 1. add one EO
 - 2. put all SW under EO
 - 3. fix calls
 - 4. connect SW
 - 5. export to TIA (connect SW, new project)

Sebastian email

Start your SME:

- Path: D:\AutomationDesigner_Sprint49\SME_NX11_1543_S49
- Script: Start_NX_4tier_TC_VM.vbs

Start your TIA VM:

- Path: D:\AutomationDesigner_Sprint49\VMAD_TIAPortal_V13SP1Upd4_I.29_B.01
- File: AD_Win7_64_TIA_V12_33.vmx

Login data: User: PCAdmin / Password: comos

In your <u>VM</u>:

Start the task manager (Strg+Alt+Einfg) and check if the process **Siemens.AutomationDesigner.ADAgentUI.exe** is running

If not, go to folder C:\ADAgent and run Siemens.AutomationDesigner.ADAgentUI.exe

On your <u>local machine</u>:

Try if you can access the VM:

- Open CMD and ping this IP address: 192.168.80.132 (VM has a fixed address)
- Try to enter this path in your windows explorer: \\192.168.80.132\TiaPortal_Projects\TIA_Project_Sebastian
- I case you need to login:
 - Username: .\PCAdmin
 - Password: comos

If this is working, you should be able to import data from the VM and export.

In Automation Designer

In your workset, start Receive Data from TIA Portal

- For "Type" select **Hardware**
- For "TIA Portal Project" > "Select ap13 File", enter this path: \\192.168.80.132\TiaPortal Projects\TIA Project Sebastian\TIA Project Sebastian.ap13

2.4.1. VM startup

TEST_INSTALLATION_20151208_2.4.1-2.4.2.mp4 0:00

TIA VM requires 36GB of disc space.

https://asrdwiki.siemens.com/AD/index.php?title=TIA_VM:_Versions_and_Compatibility

Version	Filename	UN / PW	From SME	From AD Group
V13SP1Upd4_I.29_B.01	VMAD_TIAPortal_V13SP1Upd4_I.29_B.01	PCAdmin / comos	SME_NX11_1541_S48	NX11_IP.15_AD.170

\\debonkl0c19\ADNX\VMs\TIAPortal\

Version	V13SP1Upd4_I.29_B.01
Filename	VMAD_TIAPortal_V13SP1Upd4_I.29_B.01
UN / PW	PCAdmin / comos
From SME	SME_NX11_1541_S48
From AD Group	NX11_IP.15_AD.170

- 1. Download and extract (this may take over an hour).
- 2. Click .vmx file.
- 3. Click "I copied it".
- 4. Click OK about the mouse.
- 5. Login. UN/PW = PCAdmin/comos.
- 6. Click "Restart later".

2.4.1b. S1500 overview (20151214)

1.HW

The following shows the HW configuration.

Project1_ohne_startdrive_V13_SP1	PLC_1 [CPU 1518-4 PN/D	DP]	_						
📑 To	pology view 🛔 Networ	k view 🏼 🍸 Device view	Device	overview					
🕂 PLC_1 💌 🔛	🖭 🚄 🗄 🍳 ±			Module	Rack	Slot I	 Туре	Article no.	Firmware
					0	0			
AC)				▼ PLC_1	0	1	CPU 1518-4 PN/DP	6ES7 518-4AP00-0AB0	V1.6
v				 PROFINET interface_1 	0	1 X1	PROFINET interface		
				Port_1	0	1 X1 P1	Port		
0 1	2 3 4	5 6 7152331		Port_2	0	1 X1 P2	Port		
				 PROFINET interface_2 	0	1 X2	PROFINET interface		
		8 16 24		Port_1	0	1 X2 P1	Port		
				 PROFINET interface_3 	0	1 X3	PROFINET interface		
		15 23 31		Port_1	0	1 X3 P1	Port		
				DP interface_1	0	1 X4	DP interface		
00			_		0	2			

2. SW and tags

Following shows SW blocks and tags that will be used.



The following decribes the function of the SW blocks.



2.4.2. Create S300 project

TEST_INSTALLATION_20151208_2.4.1-2.4.2.mp4 2:40

1. Copy FD4 project to VM, open, upgrade

$1. \label{eq:local_share_with_cyp} 1. \label{eq:local_share_with_cyp} IIA_Portal_XML$

FD4_Project_without_startdrive.zip

Copy to vm.

		Computer + Local	Disk (C:) TiaPortal_Projects
G v k + Netzwerk + debon	kIOc19 + ADNX + [PROJECT_SHARE_WITH_CYP] ▶ Cor Organize ▼ Include in library ▼	Share with * New folder
Organisieren • 🖸 Öffnen •	Brennen Neuer Ordner	Computer	Name
t Favoriten Desktop Downloads	Name	PerfLogs Program Files Program Files (x86) TiaPortal_Projects Tools	
ecc .	FD4_Project_without_startdrive.zip	Users	

2. Unpack.

Computer + Local Disk (C:) TiaPort	tal_Projects > FD4_Project	without_startdrive + Pro	ject1_ohne_startdrive >
Name	Date modified	Туре	Size
Ju AdditionalFiles	08.12.2015 07:38	File folder	
JM 👪	28.05.2015 10:59	File folder	
🍌 Logs	28.05.2015 10:59	File folder	
🎒 System	08.12.2015 07:38	File folder	
📕 TMP	28.05.2015 14:46	File folder	
🎉 UserFiles	28.05.2015 10:59	File folder	
Project1_ohne_startdrive.ap13	28.05.2015 14:47	Siemens TIA Porta	8 KI

3. Open.



4. Click Yes.



5. compile.



2. Add S300 CPU

1. Add new S300 HW.

Siemens - C:\TiaPortal_Proje Project Edit View Insert C Project Edit Save project X Project tree	Device name: PLC_1					
	Controllers	 Controllers SIMATIC 57-1200 SIMATIC 57-1500 SIMATIC 57-300 CPU CPU 312 CPU 312C 	•	Device:	CPU 315-2 PN/DP	
Gommon data Gommon data Gournentation setting Gournentation setting Gourne access Gourne access Gourne access Gourne access	HM	CPU 313C CPU 313C-2 DP CPU 313C-2 PP CPU 313C-2 PP CPU 313C-2 PP CPU 314 CPU 314		Article no.: Version: Description:	6ES7 315-2EH13-0AB0 V2.6	
	PC systems	CPU 314C-2 PNIDP CPU 314C-2 PtP CPU 315-2 DP CPU 315-2 PNIDP GES7 315-2EH13-0A80 GES7 315-2EH14-0A80 GES 315		Work memor PROFINET inter FBs/FCs); PRO port; PROFINE transport pro (MPI or DP mu configuration cycle time; ro as SIPLUS mu	y 256KB; 0.1 ms/1000 instruct erface; 57 communication (Io PINETIO controller; supports ET CBA; PROFINET CBA Proxy, TK tocol; combined MPIIDP intert ster or DP slave); multi-tier nup to 32 modules; constant juding; firmware V2.6; also av quale with article number 6A/	ions; adable RT; 1 :PIP face bus ailable 51 315
	9.7	CPU 317-2 PN/DP		-2EH13-2AB0		

2. Activate step7. 07:22

Automation Licens	e Managem	ient - STEP 7					
No valid License Ke	y was found.						
The following Trial L the Trial License Ke	icense Keys i ys which may	may be activated if the v be activated.	ey have not	t already b	een used.	. Select	
STEP 7 Professiona	al						
		Activate	Skip				
M Siemens - C:TiaPortal_Projectsv Project Edit View Insert Onlin	terry1\terry1 e Options Tools Wi iョンドウナ(デまう	ndow Help 1) 🖸 🖬 🔛 💋 Go online 🖉 Go	offline 🔥 🕞 🕞	× = 🗆		Totally Integrated Aut	comation PORTAL
Project tree	II ∢ terry1 > P	1.C_1 [CPU 315-2 PN/DP]			_ 7 = ×	Hardware catalog	
Devices		🚅 Topol	ogy view 🔒 Ne	twork view	Device view	Options	
000	🛄 🛃 🏄 PLC_1	· 🗄 🖭 🍊	<u>⊞</u> € ±	Devic	e overview		
te la				^ ¥	Module	✓ Catalog	
Terry1	^			=		<search></search>	tini pini
Add new device		A			 PLC_1 	Filter	
PLC 1 [CPU 315-2 PN/DP]		ACT			MPI/DP i	Rack	
Device configuration		1 2 4	5 6	7	 PROFINE. 	" 👻 🛅 PS	
Online & diagnostics		Rail_0				▼ PS 307 2A	
Program blocks						6ES7 307-18	A00-0AA0
Technology objects		12		<u>•</u>		6ES7 307-18	A01-0AA0
External source files		IEEST NA-LEAGO-DAAD				PS 307 5A	100-07-00
PLC tags	100 C					PS 307 10A	
Watch and force tables		E E				CPU	
Online backups		H3				• 🧊 IM	
Device proxy data						DI 📑	
22 Program info	- C III	> 100%				DO DO	
		100.0	Y .			DI/DO	

2b. Add I/O modules (20151221)

Add 1 DI and 1 DO.



3. Change OB1 to STL 08:20

1. Switch programming language.

PLC_2 [CPU 319-3 PN/DP]	<		
Device configuration			
🖏 Online & diagnostics			
🗢 🔙 Program blocks	General 🚺		
Add new block	🕄 🔥 🚯 Shr		
Main Onth Switch programming language	STL		

4. Copy S1500 PosDev, G120

1. Copy S1500 SW G120 and PosDev to the S300 project.



5. Modify S1500 RB_AT and copy 09:45

If you copy without modifying you get this error (do not copy).



1. Change the S1500 RB_AT properties.



2. Compile.

PLC 2 (COLLARS 2 PURS)		
Compile +	Hardware and software (only changes	a)

3. Copy RB_AT to S300.



4. Compile.

		đ	ðv.
Device cor	le	•	Hardware and software (only changes)
▼ 🛅 PLC_2 [CPU 319-3 PN/DP]			
Device configuration			
Online & diagnostics			
🔻 🔂 Program blocks			
📑 Add new block			
💶 Main [OB1]			
💶 G120x [FB307]			
PosDev_2D2S2P [FB369]			
RB_AT [FB1012]			
G120x_DB [DB2]			
PosDev_2D2S2P_DB [DB9]			

6. Fix tags 12:55

After the compile there are about 20 errors.

64	A "RLO	Define tag	Ctrl+Shift+I	100%
		Remine tag	Ctrl+Shift+P	s 🚺 Info 🔒 🗓 I
General	i) Cross-referen	1 🗶 Cut	Ctrl+X	
0 10	Show all messages	Copy	Ctrl+C	
Compiling co	ompleted (errors: 22;	Paste	Ctrl+V	
! Path		Description		
4	Network 90	Declaration *Out	put" of actual paramete	er does not match the d
4	Network 90	Declaration *Out	put" of actual paramete	er does not match the d
8	Network 90	RLO 0" not o	defined.	

1. Fix all tags.

'RLO 0" Define tag			_	-		1	43.3
Name	Section		Address	Data typ	e	PLC tag table	Comment
RLO O	Global Memory	-	%M0.0	Bool		Default tag table	

2. Modify RB_AT (comment out the following lines).



3. Fix the block call error.

									Interface sy	nchronization				
* t	Network	9:							Old interface			New interface:		
										CALL "G120x",	"G120x ^	c	ALL "G120x",	"G120x ^
	Comment									INPUT_ADDR	:="P]		INPUT_ADDR	:= <u>.</u>
	Water Internet									I_M	:="PI		I_H	
								and the second se		A_F FAST SPEED	:="P1 :=RE1		A_F FAST SPEED	:=784 :=RE1
	1-	CALL	"PoleDer	# 2D282 P"						SLOW_SPEED	:=REA		SLOW_SPEED	: REI
		CHLU L	TOODE	-energy 13	Lie	indate black call		5		EN_FWD	:=+01		EN_FWD	:=#0(=
	2	EN	ADV	:=#ENA!		Sector Sector				EN_BWD	:=#01		EN_BWD	:=#00
	100				Or	nen and monitor	Contraction of the local data	and the second se		EN_FAST	:=#0%		EN_FAST	304=:
	3	EN	RIN	:=#ENAE		farmer and a subscription of the				EN_SLOW	204=1		EN_SLOW	:=#00
	1.1				W -		~ 1 m			ERR RESET	1-475		ERR RESET	1-422
141			A1.02	*##LNLP	X CU	ut	Ctrl+X			OUTPUT ADDR	:="P(OUTPUT ADDR	:="P
< L			00		80.00		Carl C			ACT_SPEED	:-+AC		ACT_SPEED	:=#A0
					週 い	ору	CIN+C H			ACT_CURRENT	:=#34		ACT_CURRENT	:=#A(
	V.	Manualu	0	Diack co	Luna	invalid has sure interface.	une channed i	in the one		ACT_TORQUE	:=#A(~		ACT_TORQUE	:=#A(~
	N	Network	3	DIUCK Ca	II WBS I	invalid because intenace	was changed i	in the me	< 33		>	<		>
0	6	Network	10	Block ca	ll was i	invalid because interface	was changed i	in the me 🛛 🗡					док	Cancel

4. Compile and save. You now have SW ready for S300.

7. RESULT (20151214)

Project tree		Project1_ohne_startdrive_V13_SP1 → PLC_2 [CPU 319-3 PN/DP]
Devices		CALL
1 O O 1	🔲 🛃	Block title: "Main Program Sweep (Cycle)"
PLC_2 [CPU 319-3 PN/DP]		Comment
Device configuration	~	
🗓 Online & diagnostics		Network 1:
🔻 🔙 Program blocks		Comment
📑 Add new block		
📲 Main [OB1]		1
💶 G120x [FB307]		2
PosDev_2D2S2P [FB369]		
RB_AT [FB1012]		
🥃 G120x_DB [DB2]		
PosDev_2D2S2P_DB [DB9]		

		Name	Data type	Address	
1		slow_back	Bool	%M0.0	
2	-	Pos_front_left	Bool	%M0.1	
3	-	slow_forw	Bool	%M0.2	
4	-	pos_back_left	Bool	%M0.3	
5	-	FRG_EStop	Bool	%M0.4	
6	-	IBNO	Bool	%M0.5	
7	-	RLO 0	Bool	%M0.6	
8	-	FRG_BS	Bool	%M0.7	
9	-	reset	Bool	%M1.0	
10	-	BliF	Bool	%M1.1	
11	-	TRUE	Bool	%M1.2	
12	-00	RLO 1	Bool	%M1.3	
13	-00	CPulse_0_1s	Bool	%M1.4	
14	-00	Newstart	Bool	%M1.5	
15	-00	PLC_On delayed	Bool	%M1.6	
16	-00	auto_inching	Bool	%M1.7	
17	-00	manual	Bool	%M2.0	
18	-00	Lamptest	Bool	%M2.1	
19	-	PIDO	DWord	%MD4	
20	-	PID1	DWord	%MD8	
21	-	PID2	DWord	%MD12	
22		PQD0	DWord	%MD16	

1. CLOSE PROJECT (must not be open so you can import to AD).

2.4.3. Connect TIA + AD

TEST_INSTALLATION_20151208_2.4.3-2.4.4.mp4

1 (2.3). Set IP address of VM

192.168.81.134					
1. Find a free IP (on lo	cal machine).				
C:\Users\Z003H4JX>ipconfig	, I				
Windows-IP-Konfiguration					
Ethernet-Adapter Local Are	a Connection:				
Verbindungsspezifisches IPv4-Adresse Subnetznaske Standardgateway	DNS-Suffix: khe.si 149.24 	iemens.de 16.228.129 15.255.0 16.228.1			
Ethernet-Adapter UMware Ne	twork Adapter UMnet	:1:			
Verbindungsspezifisches IPv4-Adresse Subnetznaske Standardgateway	DNS-Suffix: 192.16 255.25	8.81.1 5.255.0			
C:\Users\Z003H4JX>ping	192.168.85.134				
Ping wird ausgeführt fü Antwort von 192.168.85. Antwort von 149.246.255	r 192.168.85.134 1: Zielhost nicht .193: Zielhostini	mit 32 Bytes Da erreichbar. cht erreichbar.	ten:		
2. Change VM IP.					
VMAD_TIAPortal_V13SP1Upd4_I	.29_B.01 - VMware Playe	Control Panel +	All Control Panel Items Networ	k and Sharing Center	
Properties		Control Panel Home Change adapter settings Change advanced sharing	View your basic network	c information and	
Control Panel > Netwo	ork and Internet 🔸 Network Cor	nnections •	•		
Nicht identifiziertes Ne	LAN-Verbindung Properties		23		
Intel(R) PRO/1000 MT-1	Internet Protocol Version 4 (TCP/	IPvd1 Properties	2		
	General	r vi) riopenes			
	You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings. Obtain an IP address autom Ous the following IP address	automatically if your network seed to ask your network admin atically 02:5	supports strator		
	IP address:	192 . 168 . 081 . 134	F		
	Subnet mask:	255 , 255 , 255 , 0	1		
	Default gateway:	· · ·	1		
	Obtain DNS server address	automatically			
	Use the following DNS serve	r addresses:			
	Preferred DNS server:	a	1		
	Alternate DNS server:	·	1		
1	Validate settings upon exit	L Adva	anced	Maybe need to wa	iit till pc not so busy?^??

2 (2.5). Copy ADAgent from SME folder

On the Host:

- 1. Open the SME folder (where the start scripts are located).
- 2. Navigate into the Build folder of the SME: <Date>_SME_Build.
- 3. Copy content of folder 'automation designer / adagent'.

Name	Änderungsdatum	
🗼 EmptyProject	27.09.2015 00:06	
📙 Meta	27.09.2015 00:06	
LEC_bas001.zw9	21.09.2015 23:21	
Siemens.AutomationDesigner.ADAgent.APIExtension.dll	21.09.2015 23:21	
Siemens.AutomationDesigner.ADAgent.dll	21.09.2015 23:21	
Siemens.AutomationDesigner.ADAgent.EplanWrapper.dll	21.09.2015 23:21	
Siemens.AutomationDesigner.ADAgent.TiaWrapper.dll	21.09,2015 23:21	
Siemens.AutomationDesigner.ADAgent.Utils.dll	21.09.2015 23:21	
Siemens.AutomationDesigner.ADAgentULexe	21.09.2015 23:21	
Siemens.AutomationDesigner.ADAgentULexe.config	26.09.2015 22:55	
Siemens.AutomationDesigner.Iom.ADCore.dll	21.09.2015 23:21	
Siemens.AutomationDesigner.Iom.Core.dll	21.09.2015 23:21	
Siemens.AutomationDesigner.Iom.Interface.dll	21.09.2015 23:21	
Siemens.AutomationDesigner.Iom.TiaCore.dll	21.09.2015 23:21	

In the VM:

1. Create C:\ADAgent folder.

2. Paste the copied content into the folder (overwriting).



3. Remove the write protection of the files.

Siem	ens.Automation	Desianer.ADAaent.APIExtension.dll
Sier	Siemens.Aut	omationDesigner.ADAgent.TiaWrapper.dll,
Sier 🚳	General Data	e
Sier	Dealer State	
Sier		22 Files, 11 Folders
Sier		
Sier	Type:	Multiple Types
Sier	Location:	All in C: \ADAgent
Sier	Size:	15,5 MB (16.336.028 bytes)
Sier	Size on disk:	15.6 MB (16.384.000 bytes)
Sier		ಂದ್ಯಾಂಗ್ಲಿ ಕಾರುವರು ಅವರು 7,5 ಸಿಗ್ಗಳು ಎಲ್ಲಾ
	Attributes	Read-only
		Hidden

3 (2.7). Start ADAgent

In ADAgent folder. For Agents build from a development unit by the deployer tool it will be: C:\ADAgent\ADAgent_Gr<#number of AD group>.

1. Double-click on Siemens.AutomationDesigner.ADAgentUI.exe.

Windows	Task Manag	jer							
File Option	s View	Help							
Applications	Processes	Services	Performance	Networking	Users				
Image Na	me		~			User Name	CPU	Memory (Private Working	Description
Siemens.	Automation.	SoftwareU	odater.exe *32			PCAdmin	00	22.288 K	

2. TERRY: I had to right-click and run as admin.

Siemens.AutomationDesigner ADAgentI II eve Siemens.Automat				
Siemens.Automat 😵 Run at dministrator]			
Siemens.Automation.Portal.exe "32	PCAdmin	40	10.324 K	Siemens.Automation
Siemens. Automation. SoftwareUpdater.exe *32	PCAdmin	00	22.288 K	
Siemens.AutomationDesigner.ADAgentUI.exe	PCAdmin	00	5.484 K	Siemens.AutomationD

4. Set ADAGENT_REMOTE_ADDRESS_FOR_TIA in VBS file

1. On the host set the TIA VM address.

env("ADAGENT_REMOTE_ADDRESS_FOR_TIA")="192.168.186.133" Start_NX_4tier_TC_VM_BON.vbs - Editor Datei Bearbeiten Format Ansicht ? env("ADAGENT_REMOTE_ADDRES5_FOR_TIA")="192.168.81.134" MsgBox "adagent 192.168.81.134 444444444"

2. Save the file.

5. map drive (20160112)

In TIA VM

C:\TiaPortal_Projects\FD4_Project_without_startdrive\Project1_ohne_startdrive_V13_SP1

12.01.2016 12:32

File folder

Map this

CAT:-Dest-1	D	
C:\TtaPortal	_Proj	ects

FD4_Project_without_startdrive

Result.

4 🜉 Computer

D 👘 (C:) SYSTEM

- > 🗊 (D:) DATA
- Description: Number of the second statement of the

2.4.4. Test import HW/SW (20151221)

TEST_INSTALLATION_20151208_2.4.3-2.4.4.mp4

1. Receive HW

1. On host open VM address \\192.168.81.134. 13:10.

2. Login. PCAdmin, comos.



After a delay the directory opens.

	_	🎍 🕨 Netzwerk 🔸 192.168.81.134 🔸 TiaPo	rtal_Projects +
Netzwerk • 192.168.81.134 •	Turn	Name	Änderungsdatum
- Name	Typ	FD4_Project_without_startdrive	08.12.2015 07:46
TiaPortal_Projects	Freigabe	FD4_Project_without_startdrive.zip	18.06.2015 12:50

3. Start NX.

4. Open AD project. If you get this error, then close project in vm.



5. Import HW.



υ×	
^	
•	
^ -	S7300/ET200M station_1
	- 👝 Local modules
ct_w 🤭 💉	- Rail_0
~	+ PLC_2
	+ 🙀 DI 64x24VDC sinking/sou
	+ 🙀 DI 64x24VDC sinking/sou
	+ 🙀 DO 64x24VDC/0.3A sourc
^	PLC data types
\$	DLC tags

2. Receive SW



2.4.5. Test export to TIA

TEST_INSTALLATION_20151208_2.4.5-2.4.6.mp4

1. Set network address (do this earlier?)

To export you need to set a network address.

1. Add address. Videos O3:08	ügen			
Eine Netzwerkadresse binzufürg	20			
Wo soll diese Netzwerkadr	esse erstellt werde	en?		
Eine benutzerdefinierte Net	zwerkadresse auswähler website, Netzwerkresso	n ource oder einer FTP-Site an		
3. Enter address.				
G Eine Netzwerkadresse hinzufügen				
Geben Sie den Standort der Website an. Geben Sie die Adresse einer Website, FTP-Site oder N öffnen soll.	letzwerkressource ein, die diese \	Verknüpfung		
Internet- oder Netzwerkadresse:				
\\192.168.81.134	•	Durchsuchen		
4. Enter directory.				
Ordner suchen	Geben Sie den S	itandort der Website a	an.	
Wählen Sie den Netzwerkordner, in dem die Dateien veröffentlicht werden sollen:	Geben Sie die Adresse öffnen soll.	e einer Website, FTP-Site od	er Netzwerkressource ein, die dies	e Verknüpfung
 192.168.81.134 TiaPortal_Projects 	Internet- oder Netzwe	erkadresse:		
Project_without_startdrive P Project1_ohne_startdrive Point1 _ how startdrive	\\192.168.81.134\Tia	Portal_Projects	•	Durchsuchen
Project_onne_startarive_VI3_SPI ProjectI_ohne_startdrive_VI3_SPI.backup Neuen Ordner erstellen Q	Beispiele anzeigen		Weiter Abbrechen	
5. Name.				_
Wie soll diese Netzwerkadresse heißen?		Fertigstellen des Assistent	ten	
Geben Sie einen Namen für die Verknüpfung ein, so dass Sie sich können:	die Netzwerkadresse leicht merken	Die folgende Netzwerkadresse wu	rde erfolgreich erstellt:	
\\192.168.81.134\TiaPortal_Projects		TiaPortal Projects (192.168.81.134)	l	
Geben Sie einen Namen für diese Netzwerkadresse ein: TiaPortal_Projects (192.168.81.134)		Diese Netzwe adresse nach Kl	icken auf "Fertig stellen" öffnen	
03:30			-	
. Netzwerk > 192.168.8	1.134 ► TiaPortal_Proj	jects >		
Organisieren 🕶 Brennen Neue	er Ordner			

Änderungsdatum

08.12.2015 07:46

18.06.2015 12:50

Name

FD4_Project_without_startdrive

FD4_Project_without_startdrive.zip

4 🎘 Computer

Þ 🚇

TiaPortal Repjects (192.168.81.134)

2. Send data (export)

- 1. Electrical Engineering / Send Data to TIA Portal. 03:44
- 2. Select "New project".
- 2. Enter the target path.

Send Data 1	to TIA Portal	υ×			
Station		~			
Select Station (0))				
TIA Portal pro	ject	~			
New Project		*			
S Target Path					
Suchen in	: 📜 Computer				
Computer	Netzwerkadresse (TiaPortal_F (192.168) Dateiordne	5) Irojects ,134) r			
Target Path		1			
Directory:	\\192.168.81.134\TiaP	ortal_Projects\FD4_Project_wit	hout_startdrive\Proj	ect1_ohne_startdrive_V1	3_SP1\ U3:5
Dateityp:	Directories				
arget Path				Z	
\\192.168.81.134	\TiaPortal_Prpjects\FD4	Proj 😂		ZC	
ettinas	\\192.168.81	.134\TiaPortal_Projects\FD4	_Project_without_s	startdrive\Project1_ohn	e_startdrive_V13_SP1\
Enter Name	e				

- 3. Check "Send with Software and Tag".
- 3. Uncheck "Open in TIA Portal".
- 4. Select the station.

5. Click "Send to TIA Portal".



3. Open result

1. Open 1a. From host.

« TiaPortal_Projects) FD4_Project_wit	thout_startdrive Project1	_ohne_startdrive_V13_SP	1 hhhhhhhhhhhhhhhh
Name	Änderungsdatum	Тур	Größe
AdditionalFiles	08.12.2015 08:47	Dateiordner	
📙 System 🕹 444	08.12.2015 08:47	Dateiordner	
🍰 tmp	08.12.2015 08:47	Dateiordner	
hhhhhhht	08.12.2015 08:47	Siemens TIA Porta	8 KB

1b. Or open in VM.

Player 👻 🛄 👻 🛄	
🔰 « Project1_ohne_startdrive_V13_SP1	hhhhhhhhhhhhhhh
Name	Date modified
- 🐌 AdditionalFiles	08.12.2015 08:47
i 📕 System 🗧 🖣 🕹	08.12.2015 08:48
v 🏭 tmp 💙 🖬 📕	08.12.2015 08:47
hhhhhhhhhhhhhhhap13	08.12.2015 08:47

Result.

Add new block Add new tag table		• 1 ca	Block title: *Main Promment Network 1: Comment 7	:02	:ycle)*
Project tree	J 📢 📖 hi	hhh ⊧	PLC_2 [CPU 319-3 PN/	DP] → PLC tags	Default ta
Devices			4	Tags 🔳 Use	r constants
B00	1	1 1 1 1 1 1	🚽 🕾 🖭		
		Defau	It tag table		
Inhhhhhhhhhhhhhhhhhh		h	lame	Data type	Address
💕 Add new device	1	-	Newstart	Bool	1 %M1.5
📩 Devices & networks	2	-	PLC_On delayed	Bool	%M1.6
PLC_2 [CPU 319-3 PN/DP]	3	-	TRUE	Bool	%M1.2
T Device configuration	4		CPulse_0_1s	Bool	%M1.4
Q Online & diagnostics	5	-01	RLO 1	Bool	%M1.3
Program blocks	6	-	BliF	Bool	%M1.1
Technology objects	7	-	RLO 0	Bool	%M0.6
External source files	8	-	FRG_EStop	Bool	%M0.4
🔻 🌄 PLC tags	9	-	FRG_BS	Bool	%M0.7
🗞 Show all tags	10	-00	IBNO	Bool	%M0.5
Add new tag table	7.5	-00	reset	Bool	%M1.0
Default tag table	12	-	Pos_front_left	Bool	%M0.1
PLC data types	13	-	slow_forw	Bool	%M0.2
Watch and force tables	14		pos_back_left	Bool	%M0.3
🕨 🙀 Online backups	15		slow_back	Bool	%M0.0
Device proxy data	16	-	auto_inching	Bool	%M1.7
Program info	17		manual	Bool	%M2.0
PLC alarms	18	-	Lamptest	Bool	%M2.1
ET Test lists					

2.4.6. Test SW config

TEST_INSTALLATION_20151208_2.4.5-2.4.6.mp4

1. Add one EO 07:42

1. Add an EO.



2. Put all SW under EO



2. Paste the SW under the new EO.



3. Fix calls 08:45

RB_AT tag and calls are OK.



4. Connect SW 10:15

1. Click "connect SW blocks".

n	eering	Cont	roller Progra	amming
	8=	-8	8==8	8
	Conv Software	Blocks	Create Instance DB	Create from Lil

2.Select station.



3.Select objects. 10:44

Connect Software Blocks	υx
Station	^
Y Select Station (1)	\$
Objects	^
Select Group (0)	\$
Select Additional Object (1)	\$
Software Blocks	٨
Parent - blocks	Group
All	
- 🗹 =EOGLcc005/+???.EOGLcc0	
🗹 G120x	
PosDev_2D2S2P	
RB_AT	
G120x_DB	
PosDev_2D2S2P_DB	
RB_AT_DB	
G =EOGLcc005 00030	4
1 . ····	

4. Click OK. Note the connected SW and tags.



5. Export to TIA (new project)

- 1. Click "Send data to TIA portal".
- 2. Select New Project.
- 3. Enter Name and target path.



4. Check station.



5. Click "Send to TIA Portal". Project is created.

VMAD_TIAN	Portal_V13SP1Upd	4_I.29_B.01 - VMw	are P	layer	_	
G	« Project1_ohn	e_startdrive_V13_S	P1 .		•	
Name			Date modified			
3 AdditionalFiles			08.12,2015 08:56			
退 System			08.12.2015 08:56			
퉬 tmp			08.12.2015 08:56			
🗎 iiiiii 💬iii.ap13			08.12.2015 08:56			

6. Open project.



Seems that the g120, posdev, rbat are always missing. Asked someone about this a long time ago, He said just an error will fix in future.