TIA, HMI og SCADA

Kim Meyer-Jacobsen Michael Nielsen









Entry type: Product note Entry ID: 4326950,

Entry date: 08/27/1996

STEP 7 Programming Software - New Version V2.1

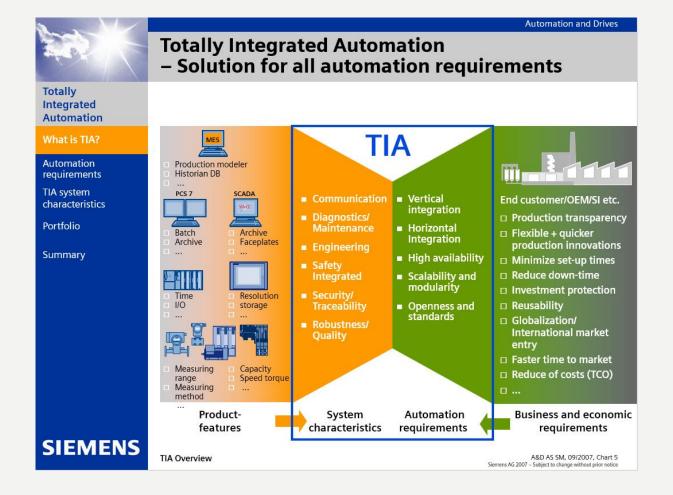
In 1996 something was invented

The STEP 7 programming software is now available with version V2.1 as individual license, copy license and upgrade for programming devices and PCs and replaces all existing STEP 7 versions. All software packages (diskette and CD ROM) are copy protected by means of an authorization diskette.

STEP 7 V2.1 is the current configuring and programming software for SIMATIC S7-300/400, M7, C7 as well as for PROFIBUS DP and is also the basis for the S7 SCL, S7 Graph, S7 HiGraph, M7 ProC/C++ and CFC options packages.

STEP 7 V2.1 is a 32-bit application for Windows '95 and has the following system requirements: CPU: 486 or Pentium Main memory: 16 Mbytes or more Hard disk: 40 Mbytes to 50 Mbytes STEP 7 (depending on the language) + 80 Mbytes for Windows '95 Operating system:

In 1996 something was invented





Status of the ET200 S

The device that changed the I/O world





Hardware



2000



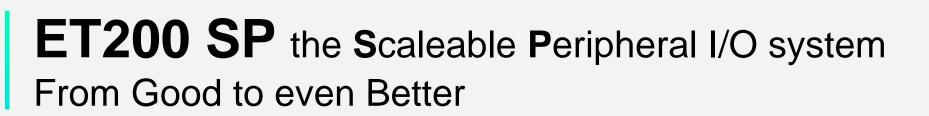
ET200 S CPU

ET200 S CPU PN

1998

2008

2020







Hardware







ET200 SP CPU

ET200 SP CPU

ET200 SP PN/PN-MFP

2012 2014

2015

2021 ->

SIMATIC Controller

Today and tomorrow





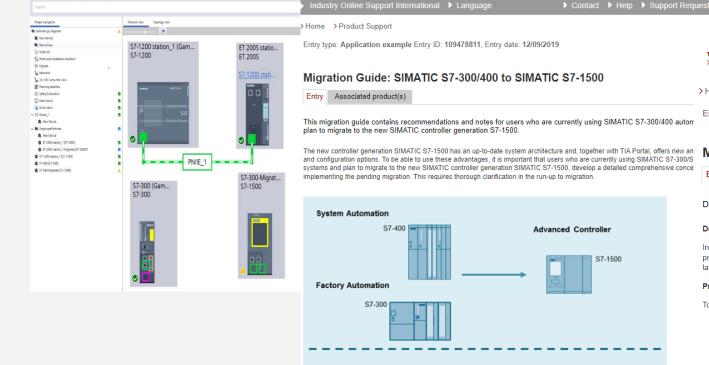
Hardware

1996 2023 2009 ->



Migration – Tools

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> Home > Product Support

★★★☆☆(23)

> Rate

Entry type: Download Entry ID: 58638200, Entry date: 07/13/2021



Migration Tool TIA Portal

Entry Associated product(s)

Description, procedure and download of the Migration Tool TIA Portal (V13 SP2, V14 SP1, V15, V15.1, V16)

Description

In many cases, a project that you want to migrate is not on the same programming device / PC as the one on which the TIA Portal is installed. The original project must therefore first be converted to a compatible format for the migration. Then copy the migration file to the programming device or PC with the latest installation of the TIA Portal. There, you can then import the file into the TIA Portal and create a project in the current file format of the TIA Portal.

Procedure

Basic Controller

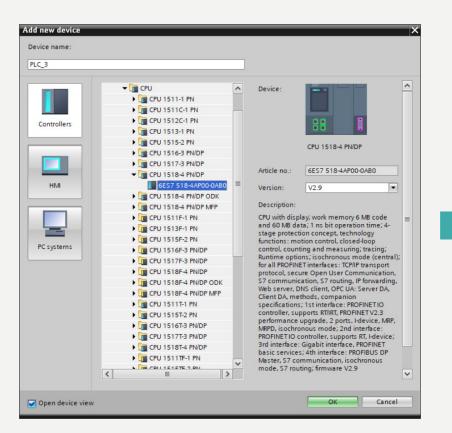
S7-1200

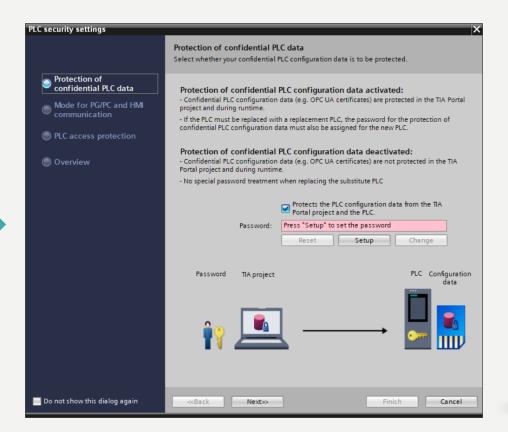
To perform migration without the original software, you need to take the following steps:

- Install the Migration Tool on the programming device / PC with the source project.
- Start the Migration Tool and use it to convert the source project into the migration file format with the corresponding file extension ".amxx".
- When performing this step, ensure that the complete software required for processing the source project is installed on the programming device / PC. This includes all required service packs, hardware support packages and all the add-on software necessary for processing the original project. If some products are not installed, the migration cannot be performed or can only be partially performed.

Secure SIMATIC PC/ HMI Communication

Configuration with Security Wizard

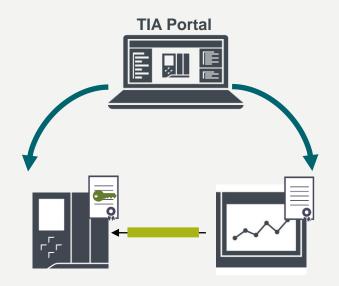




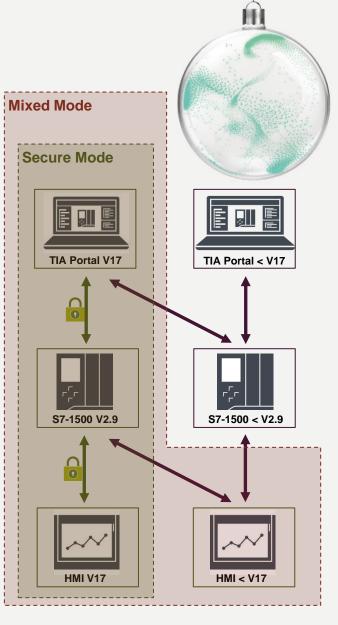


What does secure communication mean?

How can we secure the communication?





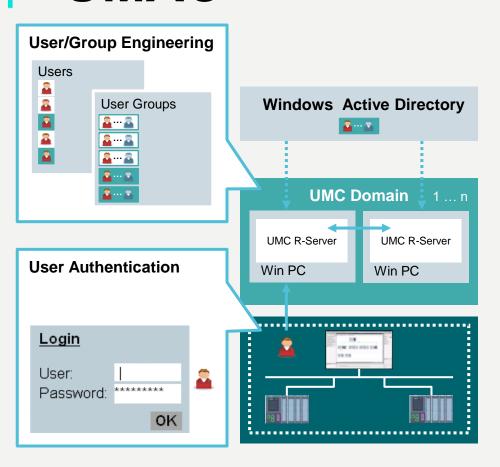


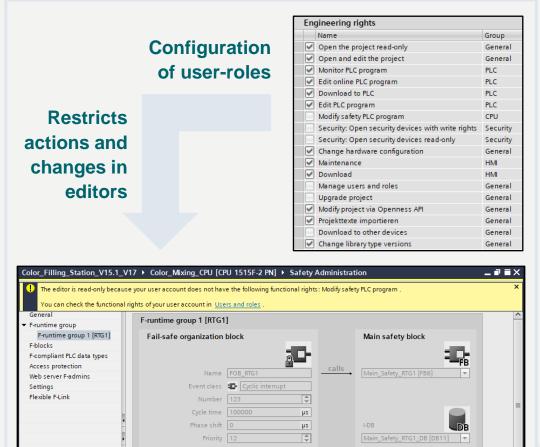


Certificate with private key eg. for PG/HMI communication

User Management Access Control"UMAC"







Så I det?

(Se link til fim på website)



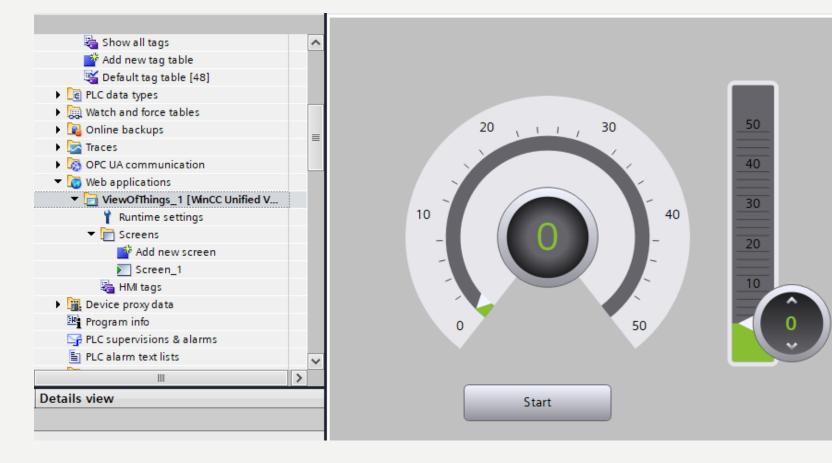
Ja det var HMI i webinterfacet på 1500 controlleren

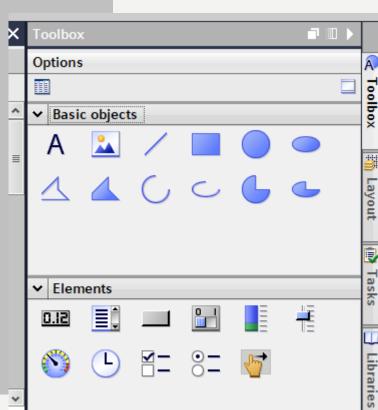
View Of Things



View Of Things















SIMATIC WinCC Unified View of Things

S7-1500



SIMATIC HMI
Unified Comfort

Panels



SIMATIC WinCC Unified **PC**

Engineering



Engineering (in TIA Portal)

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