SIEMENS

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SIMATIC

SIMATIC Automation Tool SDK V3.1 SP3 Installation notes

Installation Manual

V3.1 SP3, 04/2019

A5E45253019-AB

Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

⚠ DANGER

indicates that death or severe personal injury **will** result if proper precautions are not taken.

⚠ WARNING

indicates that death or severe personal injury **may** result if proper precautions are not taken.

⚠ CAUTION

indicates that minor personal injury can result if proper precautions are not taken.

NOTICE

indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

⚠ WARNING

Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

Trademarks

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Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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License terms and conditions 1

By installing the SIMATIC Automation Tool SDK, you are agreeing to the End User License Agreement (EULA). You also accept the security information on safe operation of the product. By installing, you are also agreeing to the Open Source and Third Party License conditions. You can view these terms and conditions by running the full installation setup. Do not use the automated installation feature until you have reviewed and agree to all terms and conditions of these artifacts as described in the setup dialogs of the non-automated installation.

Installation notes 2

2.1 Operating system and software support

Microsoft Windows 64-bit operating systems support

The SIMATIC Automation Tool SDK works with the following 64-bit operating systems:

- Windows 7 Home Premium SP1
- Windows 7 Professional SP1
- Windows 7 Enterprise SP1
- Windows 7 Ultimate SP1
- Windows 10 Home Version 1709 (OS Build 16299)
- Windows 10 Home Version 1803 (OS Build 17134)
- Windows 10 Pro Version 1709 (OS Build 16299)
- Windows 10 Pro Version 1803 (OS Build 17134)
- Windows 10 Enterprise Version 1709 (OS Build 16299) (for PG/PC)
- Windows 10 Enterprise Version 1803 (OS Build 17134) (for PG/PC)
- Windows 10 Enterprise 2016 LTSB (OS Build 14393)
- Windows 10 IoT Enterprise 2015 LTSB (OS Build 10240)
- Windows 10 IoT Enterprise 2016 LTSB (OS Build 14393)

Siemens provides no guarantee that other versions work. Siemens does not provide technical support for other versions.

Virtual machine software support

The SIMATIC Automation Tool SDK works with the following VM (Virtual Machine) software:

- VMware vSphere Hypervisor (ESXi) 6.5
- VMware Workstation 12.5.5
- VMware Player 12.5.5
- Microsoft Hyper-V Server 2016

The SIMATIC Automation Tool SDK might work with others.

Virus and security software support

Siemens has verified that the SIMATIC Automation Tool SDK works with the following virus and security software:

- McAfee VirusScan Enterprise 8.8
- Trend Micro Office Scan Corporate Edition 12.0/XGen
- Kaspersky Anti-Virus 2018
- Windows Defender (as part of Windows operating systems)
- Qihoo "Safe Guard 11.4" + "Virus Scanner 5.0"
- McAfee Application Control 7.0.1
- Microsoft Bitlocker (part of the Windows operating systems)
- McAfee Application Control 8.0

The SIMATIC Automation Tool SDK might work with others.

Language support

The SIMATIC Automation Tool user interface and User Guide provide the following languages:

- English
- German
- French
- Spanish
- Italian
- Chinese Simplified

Communication

The SIMATIC Automation Tool SDK supports communication with Siemens devices using an Ethernet cable connected to a network interface.

2.2 Operating environment

Apply the following Windows operating system settings:

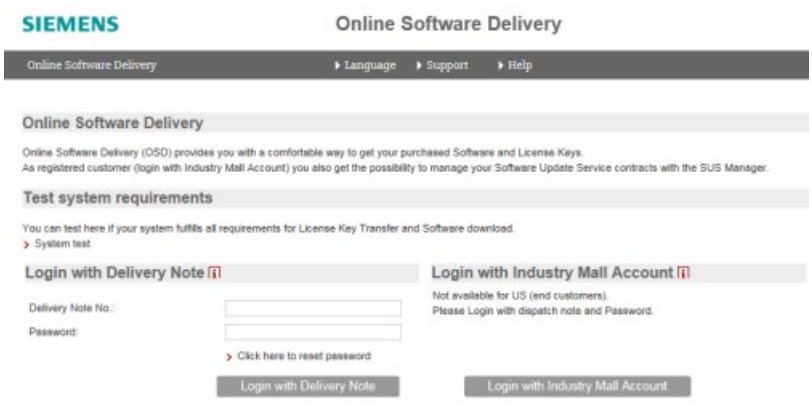
- Disable hibernation mode when using the SIMATIC Automation Tool SDK. Entering hibernation mode while online connections are open or while accessing project data through a network can cause errors.
- To avoid errors, set the power saving options for the operating system to never put the computer to sleep. This ensures that a timer does not automatically trigger hibernation. Do not manually trigger hibernation mode during a communication task.

2.3 Purchasing and downloading the SIMATIC Automation Tool SDK

Depending on your country of origin, you might order the SIMATIC Automation Tool SDK through your distributor or you can order directly from the Siemens Industry Mall (https://mall.industry.siemens.com/mall/en). Customers within the United States must order from a distributor. You do not need a license for the SIMATIC Automation Tool SDK.

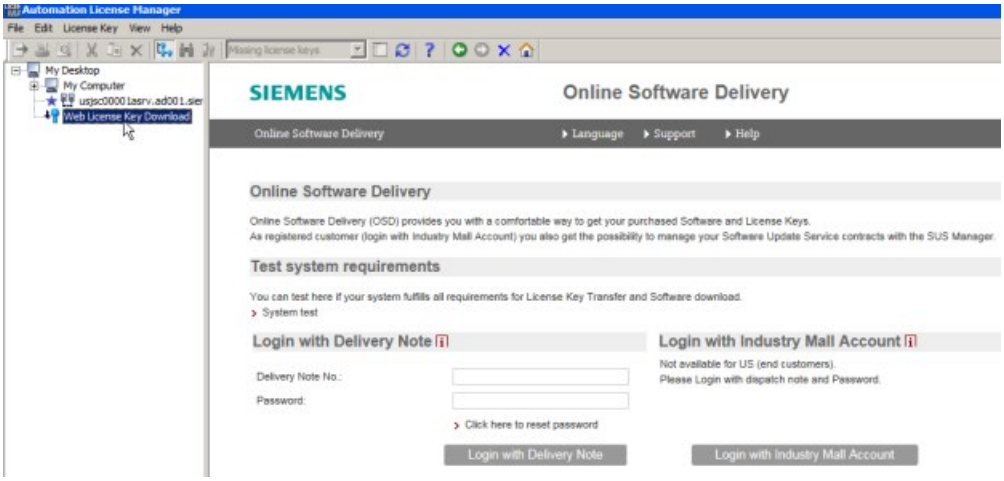
To get the SIMATIC Automation Tool SDK, follow these steps:

1. Regardless of whether you or your distributor orders the product, you will receive an email that provides a "Delivery Note No." and a temporary password.
2. Access the Online Software Delivery page from either the Online Software Delivery Web page or the Automation License Manager (ALM) if you have it:
   - **Web page:** Access the Online Software Delivery Web page (https://www.automation.siemens.com/swdl/Login) from your Internet browser. The email you received also has a link to the Online Software Delivery Web page.

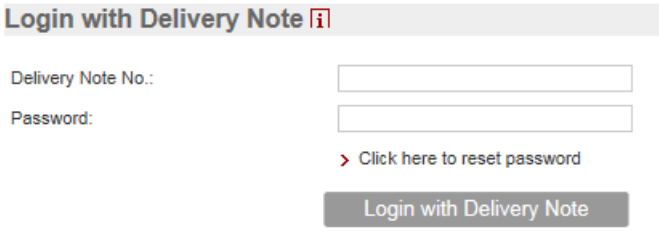


– **Automation License Manager:** If the Automation License Manager (ALM) already exists on your programming device, double-click the License Manager icon:

Double-click "Web License Key Download" from the Automation License Manager navigation pane. Wait until the SIEMENS Online Software Delivery page appears in the ALM window.



3. Enter your data in the Online Software Delivery page and click "Login with Delivery Note" when finished:
   – Delivery Note No.
   – Password (temporary password)



Note

Temporary passwords expire 28 days after issue. If your temporary password has expired, you can request a new one from the Online Software Delivery login page.

4. After you log in with your temporary password, follow these steps:
   - Select the check boxes on the confirmation dialog to confirm the delivery address in your country
   - Accept the export control clause for distribution contracts
   - Enter and confirm a permanent password
   - Click Continue.

   You will receive a confirmation email.
5. Click the link in the confirmation email to login again. Use your existing "Delivery Note No." and your new password. Confirm the delivery address and the export control clause.

Downloading the SIMATIC Automation Tool SDK

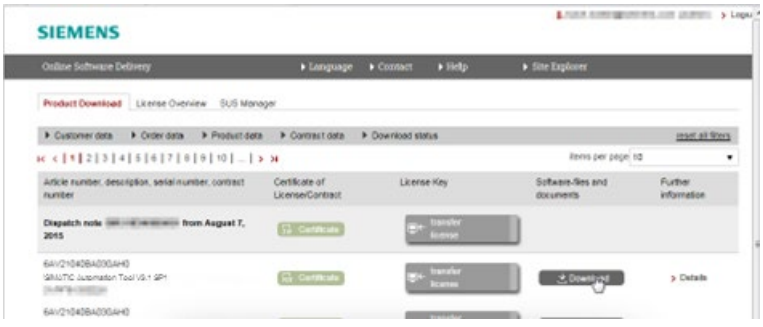
After you confirm the delivery address in your country and you accept the export conditions, open the Online Software Delivery Web page if it is not already open. The Product Download tab shows you your purchased software products.

Note

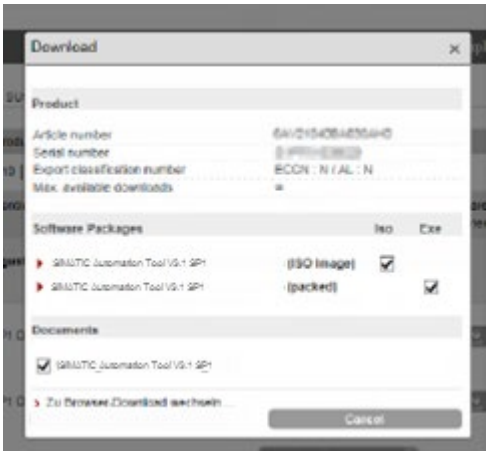
You have 28 days after purchase confirmation to download your purchased product. Make sure you download your product delivery before the 28 days expire.

From the Product Download tab, follow these steps to download the SIMATIC Automation Tool SDK:

1. Click the "Download" button to download the SIMATIC Automation Tool SDK to your programming device.



2. From the Download screen, you can choose to download the .iso file, the packed self-extracting .exe file, and documents. You can select all of the choices, or only the choices you need. The .iso file (Page 12) is most convenient if you want to burn an installation DVD; otherwise, download the .exe file (Page 11). You can use the .exe file to install the SIMATIC Automation Tool SDK. You can use either type of file (.iso or .exe) with an automated install (Page 12). When prompted, provide a folder for your downloaded items.



Note

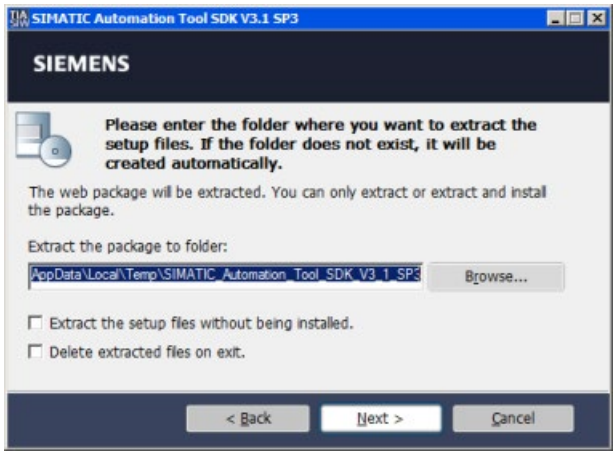
If you have any problems with the purchasing or download process, you can enter a support request from the Online Software Delivery Web page.

The SIMATIC Automation Tool SDK is non-returnable and non-refundable after you download it.

2.4 Installing from the self-extracting .exe file

To install the SIMATIC Automation Tool SDK from the self-extracting .exe file, follow these steps:

1. If not already running, double-click the SIMATIC_Automation_Tool_SDK_V3_1_SP3.exe file that you downloaded.
2. Follow the displayed instructions to extract the files and install the SIMATIC Automation Tool SDK. You have the following choices when you begin the setup:
   - Extract the setup files without being installed: You can later navigate to the folder where you extract the installation files and click the Start.exe file to begin the installation. Alternatively, you can perform an automated installation (Page 12) of the files at this location.
   - Delete extracted files on exit: The setup extracts the files and guides you through the installation. When you complete the installation, the setup deletes the extracted files. Do not select this option if you want to keep the files for future installs.



The setup guides you step by step through the installation process.

2.5 Installing from the .iso file

The ISO file is a disc image of the SIMATIC Automation Tool SDK installation. You can use it, for example, if you want to burn a DVD. To install the SIMATIC Automation Tool SDK from the ISO file, follow these steps:

1. Use a readily-available extraction or disc burning tool to perform one of the following tasks:
   - Extract the folder structure of the .iso file to your programming device.
     Note: You can extract files from an .iso file the same way you extract files from a .zip file. If you choose, you can use the extracted files for an automated install (Page 12).
   - Burn a DVD that contains the SIMATIC Automation Tool SDK installation files.
2. Double-click the Start.exe file to begin the installation setup. The Start.exe file is in the location where you extracted the files or is at the root level of the DVD. Follow the setup instructions to complete the installation.

   The setup guides you step by step through the installation process.

2.6 Optional automated install

You can install the SIMATIC Automation Tool SDK from the command line. The automated install requires no user interaction. The silent option of the automated install does not display installation dialogs.

If you install the SIMATIC Automation Tool SDK by automated installation, you are agreeing to all license terms. Review the license terms from the non-automated setup before performing an automated installation of the SIMATIC Automation Tool SDK.

If you did not delete the extracted installation files, you can find a description of the automated installation process in the folder where you extracted the files. The automated install documentation is at the following location:

Documents\<language folder>\PEAutoInstall<language extension>.chm

You can also find the same instructions within your SIMATIC Automation Tool SDK installation folder:

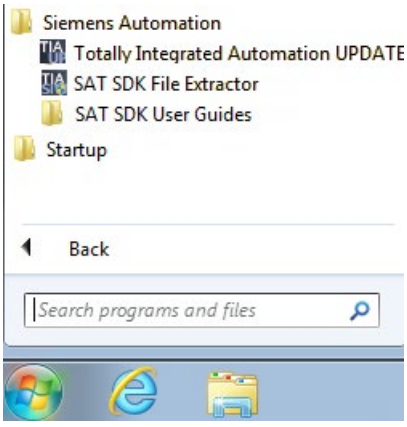
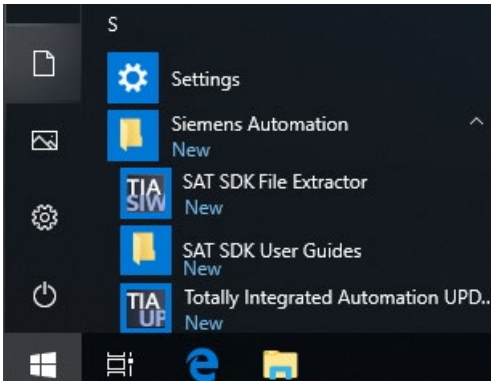
Documents\<language folder>\PEAutoInstall<language extension>.chm

Note that the automated installation provides the following user interface languages regardless of your automated install language options:

- English
- French
- German
- Italian
- Spanish
- Chinese Simplified

2.7 Getting help

After you install the SIMATIC Automation Tool SDK, you can find the user guide for your language from the Start menu.

Windows 7	Windows 10
	

Open the SAT SDK User Guides folder to navigate to your user guide.

2.8 Updating your version of the SDK from the TIA Software Updater

The SIMATIC Automation Tool SDK includes the TIA Software Updater for installing future service pages and updates. If your programming device is connected to the Internet, then you can download SIMATIC Automation Tool SDK software updates directly from Siemens through the Internet.

To use the TIA Software Updater to update your existing SIMATIC Automation Tool SDK to the latest version, follow these steps:

1. Open the Totally Integrated Automation UPDATER from the Start menu. If updates are available for the SIMATIC Automation Tool SDK, you can see them from the Software tab. Wait while the updater finds and displays available software versions.
2. If an update exists for the SIMATIC Automation Tool SDK, click the Download button for the entry. The new version begins to download.

   You see a progress indicator while the software downloads. When the download completes, the "Install" button is active and the "Download" button changes to "Downloaded".
3. Click the Install button to install the downloaded software. The setup guides you through the installation procedure.

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