

ETAS ASCET V6.4



Installation Guide

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1 Introduction

In this chapter, you can find information about the intended use, the addressed target group, and information about safety and privacy related topics.

Please adhere to the ETAS Safety Advice (accessible via **Help > Product Disclaimer**) and to the safety information given in the user documentation.

ETAS GmbH cannot be made liable for damage which is caused by incorrect use and not adhering to the safety information.

1.1 Intended Use

The ASCET tools support model-based software development. In model-based development, you construct an executable specification – the model – of your system and establish its properties through simulation and testing in early stages of development. When a model behaves as required, it can be converted automatically to production-quality code.

ASCET provides a multi-paradigm modeling framework, providing integrated support for a number of different modeling notations. These modeling notations abstract from low-level details, separating the concerns of what the system software must do from how it is realized in code executing in the ECU. ASCET can also interface directly with C code as a "low-level" specification language.

ASCET provides a systematic way to augment the high-level specification (referred to as the *physical model*) with the necessary information for target implementation (referred to as the *implementation model*). The implementation model covers the low-level details required to make the model run on target hardware.

The physical and implementation models are clearly separated in ASCET so that the design specification is not corrupted with implementation details that may change from project to project. Maintaining this separation also allows ASCET to support multiple implementation models for a single physical model, keeping the number of model variants low.

1.2 Target Group

This manual is directed at people who have to install ASCET tools (except ASCET-DIFF).

These people should be familiar with the Microsoft Windows[®] operating system. Knowledge of a programming language, preferably ANSI-C, can be helpful when using ASCET.

1.3 Classification of Safety Messages

Safety messages warn of dangers that can lead to personal injury or damage to property:



DANGER indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING

WARNING indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

CAUTION indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE indicates a situation that, if not avoided, could result in damage to property.

1.4 Safety Information

Observe the following safety information when using the NVRAM capabilities of the ASCET-RP or ASCET-SE targets, to avoid injury to yourself and others as well as damage to property:



WARNING

Harm or property damage due to unpredictable behavior of vehicle or test bench

Wrongly initialized NVRAM variables can lead to unpredictable behavior of a vehicle or a test bench. This behavior can cause harm or property damage.

ASCET projects that use the NVRAM possibilities of ASCET-RP targets expect a *user-defined* initialization that checks whether all NV variables are valid for the current project, both individually and in combination with other NV variables. If this is not the case, all NV variables have to be initialized with their (reasonable) default values.

Due to the NVRAM saving concept, this is *absolutely necessary* when projects are used in environments where any harm to people and equipment can happen when unsuitable initialization values are used (e.g. in-vehicle-use or at test benches).

Adhere to the ETAS Safety Advice and the safety information given in the online help and user guides of the ASCET product family. You can open the ETAS Safety Advice from the main ASCET window with **Help > Product Disclaimer**. A PDF version is available on the installation medium: `Documentation\ETAS Safety Advice.pdf`

In addition, take all information on environmental conditions into consideration before setup and operation (see the documentation of your computer, hardware, etc.).

Further safety advice for this ETAS product is available in the ASCET V6.4 safety manual, available at ETAS upon request.

1.5 Data Protection

If the product contains functions that process personal data, legal requirements of data protection and data privacy laws shall be complied with by the customer. As the data controller, the customer usually designs subsequent processing. Therefore, he must check if the protective measures are sufficient.

1.6 Data and Information Security

To securely handle data in the context of this product, see the next sections about data and storage locations as well as technical and organizational measures.

1.6.1 Data and Storage Locations

The following sections give information about data and their respective storage locations for various use cases.

License Management

When using the ETAS License Manager in combination with user-based licenses that are managed on the FNP license server within the customer's network, the following data are stored for license management purposes:

Data

- Communication data: IP address
- User data: Windows user ID

Storage location

- FNP license server log files on the customer network

When using the ETAS License Manager in combination with host-based licenses that are provided as FNE machine-based licenses, the following data are stored for license management purposes:

Data

- Activation data: Activation ID
Used only for license activation, but not continuously during license usage

Storage location

- FNE trusted storage
`C:\ProgramData\ETAS\FlexNet\fne\license\ts`

Problem Report

When an error occurs, ASCET offers to send an error report to ETAS for troubleshooting. ETAS uses the personal information to have a contact person in case of system errors.

The problem report may contain the following personal data or data category:

Data

- Communication data: IP address
- User data: Windows user ID, user name

Storage location:

- `EtasLogFiles<index number>.zip` in the ETAS-specific log files directory,

Additionally to the problem information that is entered by the users themselves, ASCET collects the available product-related log files in a zip archive to support the bug fixing process at ETAS. The zip file is named according to the pattern `EtasLogFiles<index number>.zip`. See also chapter "Support Function for Feedback to ETAS in Case of Errors" in the ASCET Getting Started manual.

All ETAS-related log files in the ETAS-specific log files directory and the zip archives created by the Problem Report feature can be removed after closing all ETAS applications if they are no longer needed.

1.6.2 Technical and Organizational Measures

We recommend that your IT department takes appropriate technical and organizational measures, such as classic theft protection and access protection to hardware and software.

Locations for Generated Files

The names and paths of files generated by ASCET paths may contain personal data, if they refer to the current user's personal directory or subdirectories (e.g., `C:\Users\<UserId>\Documents\...`).

If you do not want personal information to be included in the generated files, make sure of the following:

- The workspace of the product points to a directory without personal reference.
- All settings in the product (accessed via the menu function **Tools > Options** in the product) refer to directories and file names without personal reference.
- All project settings in the projects (accessed via the menu function **File > Properties** in the ASCET project editor) refer to directories and file names without personal reference.
- Windows environment variables (such as the temporary directory) refer to directories without personal reference because these environment variables are used by the product.

In this case, please also make sure that the users of this product have read and write access to the newly set directories.

2 Installation

This chapter provides information for preparing and performing the installation of ASCET tools (except ASCET-DIFF) on a computer or a network, for licensing and uninstalling ASCET tools.

- section 2.1 "Preparation" on page 8
- section 2.2 "Installing from Installation Disk" on page 9
- section 2.3 "Network Installation" on page 18
- section 2.4 "Licensing" on page 22
- section 2.5 "Uninstalling" on page 23
- section 2.6 "Installing ASCET in Read-Only Directories" on page 24
- section 2.7 "Running Multiple ASCET Instances from One Installation" on page 25

2.1 Preparation

Check the items supplied for completeness and your computer for compliance with the system requirements. Depending on the operating system used and the network connection, you have to make sure that you have the user privileges required.

2.1.1 Contents

ASCET is supplied with the following:

- ASCET installation disk
 - ASCET program files
 - ASCET manuals and ETAS hardware documentation in PDF format (PDF reader required)
 - Manual "FLEXnet Licensing End User Guide" in PDF format

Furthermore, you require a valid license for the use of ASCET products. You can obtain the license files required for licensing either from your system administrator or through a self-service portal on the ETAS Internet Site; the URL is given in the entitlement letter. To request the license file you have to enter the activation number which you received from ETAS during the ordering process. See also section 2.4 "Licensing" on page 22.

2.1.2 System Requirements

The ASCET system prerequisites are listed in the ASCET Release Notes.

2.1.3 Required User Privileges for Installation and Operation

User privileges required for installation: In order to install ASCET on a PC, you need the user privileges of an administrator. Please contact your system administrator, if necessary.

User privileges required for operation: In order to operate ASCET, each user must receive the privilege called "Increase Scheduling Priority" from the administrator. This can be set using the User Manager.

Recommendation: Assign the privilege "Increase Scheduling Priority" to the local "User" group.

2.2 Installing from Installation Disk

To install one of the add-on products (e.g., ASCET-MD, ASCET-RP, ASCET-SE, ASCET-SCM), you have to install the ASCET base system first. In addition, ASCET-SCM requires the installation of ASCET-MD, ASCET-RP or ASCET-SE.

Installation is performed in the same way if you install ASCET from the CD or the network drive. During installation, log files are written, which can later be used to verify the installation (see the ASCET online help for details).

Section 2.2.1 describes the installation of the base system in detail. The installation of add-on products is briefly described in section 2.2.2; if additional information is required, see the respective manuals or release notes. Section 2.2.3 contains information on command-line installation.

2.2.1 Initial Installation – ASCET Base System

You must install the ASCET base system before you can install ASCET-MD or any other ASCET product (except ASCET-DIFF).

You can install ASCET only on a supported operating system; see the ASCET Release Notes for a list. If you try to install ASCET on an unsupported operating system, an error message opens and the installation aborts.

To start the ASCET installation

1. Insert the installation disk into the respective drive of your computer.
2. If the installation does not start automatically, double-click `start.exe`.
An installation dialog opens.
3. Click the "Main" link to go to the installation page.
4. Click the "ASCET" link to install the ASCET base system.
The installation starts.

License Agreement

1. In the "License Agreement" window, read the license agreement carefully, then activate the **I accept the terms of the License Agreement** option.
If you do not accept the license agreement, you cannot continue the installation.
2. Click **Next** to continue.

Checking for blocking applications

The "Running applications" window shows running applications that block the installation.

1. Do one of the following to close each application listed in the window:

- Use the closing mechanism of each application.

i **NOTE**

Use the applications' closing mechanisms is the preferred way. It is even better to reboot your machine before you install ASCET. With that, you ensure that there are no file locks.

- Right-click each entry in the "Running applications" window and select **Close** from the context menu.

Once all blocking applications are closed, the **Next** button becomes available.

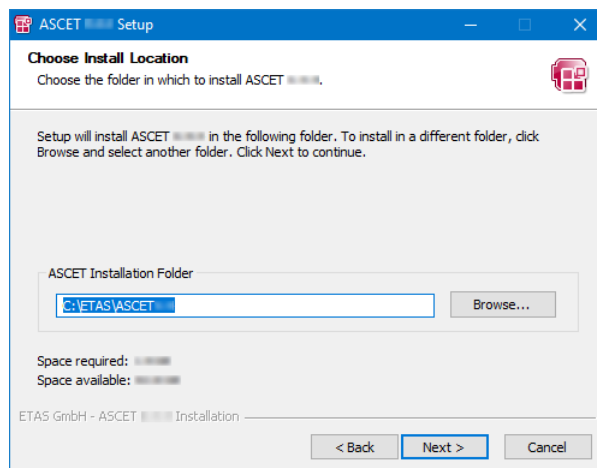
i **NOTE**

Ignoring the blocking applications may cause the installation to fail.

2. Click **Next** to continue the installation.

To specify the ASCET installation path

In the "Choose Install Location" window, you are prompted to enter an installation directory for ASCET. By default, `c:\ETAS\ASCET6.4` is preselected.



i **NOTE**

You can install ASCET in a directory with blanks in its path. Before you do so, however, make sure that all external tools used with ASCET support path names with blanks, too.

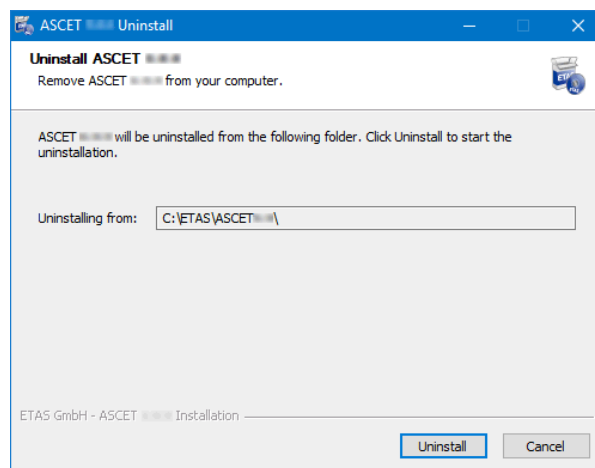
Make sure that you select an installation directory that offers write access during ASCET operation; ASCET writes to files in the installation directory.

It is recommended that you do not use the `Program Files` directory as installation directory.

1. Enter or select (via the **Browse** button) a valid path.
If you specify a directory that does not exist, it is created during installation.
An invalid path deactivates the **Next** button. You must correct the path before you can continue.
2. Click **Next**.
If ASCET V6.4 is already installed in the selected directory, or if you selected an existing directory, you are asked to uninstall the existing installation.
3. Click **Yes** to continue.
If the existing folder does *not* contain an ASCET V6.4 installation, the folder is deleted. Continue reading at "To uninstall an existing version" on page 11.

To uninstall an existing version

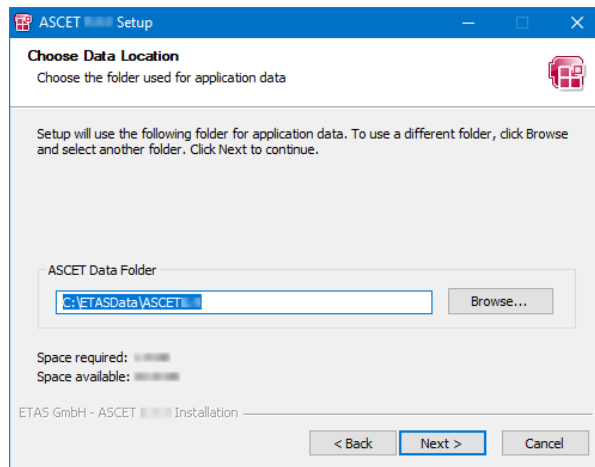
If you selected an existing folder that contains an ASCET V6.4 installation, the "Uninstall ASCET" window opens.



1. Click **Next**.
The existing version is uninstalled. Once uninstallation is complete, the **Close** button is available.
2. Click **Close**.
The installation continues.

To specify the ASCET data path

In the "Choose Data Location" window, enter the data directory for ASCET. By default, `C:\ETASData\ASCET6.4` is preselected.



It is recommended that you store program *data* (e.g., databases, user profiles, etc.) in a separate directory. When you uninstall or update the program later, the program files in the installation directory will be deleted or overwritten. Program data stored in a separate directory will continue to be available to you.

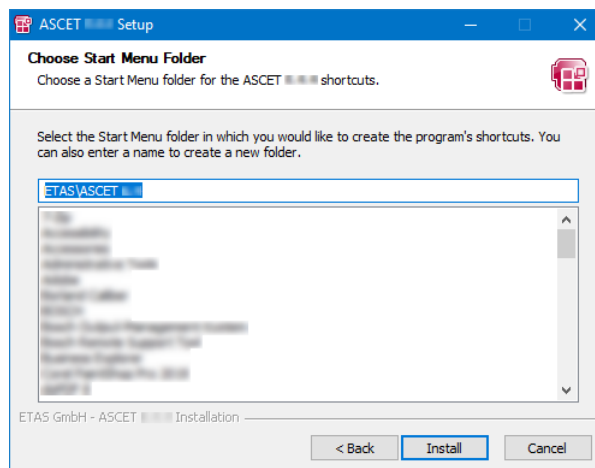
1. Enter or select (via the **Browse** button) a valid path.

If you specify a directory that does not exist, it is created during installation.

An invalid path deactivates the **Next** button. You must correct the path before you can continue.

2. Click **Next**.

To specify the ASCET folder in the Start menu



1. Do one of the following:
 - Accept the default folder name.
 - Enter a new folder name.

If desired, you can enter folder and subfolder.

To install ASCET**NOTE**

The next step starts the installation. You cannot abort it.

1. In the "Choose Start Menu" window, Click **Install**.

The installation is performed. A progress indicator shows how the installation is progressing.

When the installation is complete, the "Installation Complete" window opens.

2. Click **Next**.

You are prompted to finish the installation.

3. Click **Finish**.

.NET versions: .NET 4.6.2 is required for ASCET V6.4.

The installer checks whether this version is installed on your computer. If not, the installer tries to download .NET 4.6.2 from the Microsoft web site.

If the download fails, you are informed. You can cancel the ASCET installation, install .NET 4.6.2 manually, and then restart the ASCET installation.

After the installation is complete, you will find the folder name you specified with the following entries in the Start menu:

- **ASCET Help**
Opens the ASCET online help.
- **ASCET V6.4**
Starts the ASCET program.

**NOTE**

ASCET cannot be started until ASCET-MD, ASCET-RP, or ASCET-SE is installed, too.

- **Online manuals**
Opens the `ETAS\ETASManuals` directory. The ASCET related manuals are stored in the `ASCET V6.4` subfolder.

The ETAS License Manager can be found in the app list of the Windows Start menu at **E > ETAS > ETAS License Manager**.

Several sample files are located in the `export` directory of your ASCET installation; they are available as `*.exp` or `*.axl` files. They can be imported in any ASCET database (both formats) or workspace (`*.axl` only).

- `ETAS_System_Library.*` and `ETAS_System_CT_Library.*` - ETAS system libraries (containing various basic modeling blocks such as the PT1 element or other basic filter elements, integrators, etc.)
- `ETAS_MBFS_Library.*` - ETAS system library containing a subset of the blocks defined by the ASAM AE MBFS standard¹⁾

- Tutorial.* – ASCET tutorial
- Tutorial INTECRIO.* and Tutorial RTPROPC.* – Tutorials for ASCET-INTECRIO connectivity without and with RTPRO-PC support
- Tutorial AUTOSAR UG.* – AUTOSAR tutorial

2.2.2 Installation – ASCET-MD and Other ASCET Products

After installing the basic system, you can install ASCET-MD or other ASCET add-on products.

If you want to work with AUTOSAR components, you need ASCET-MD and ASCET-SE (ANSI-C target).

If you want to work with EHOOKS, you need ASCET-MD and ASCET-SE (EHOOKS target).

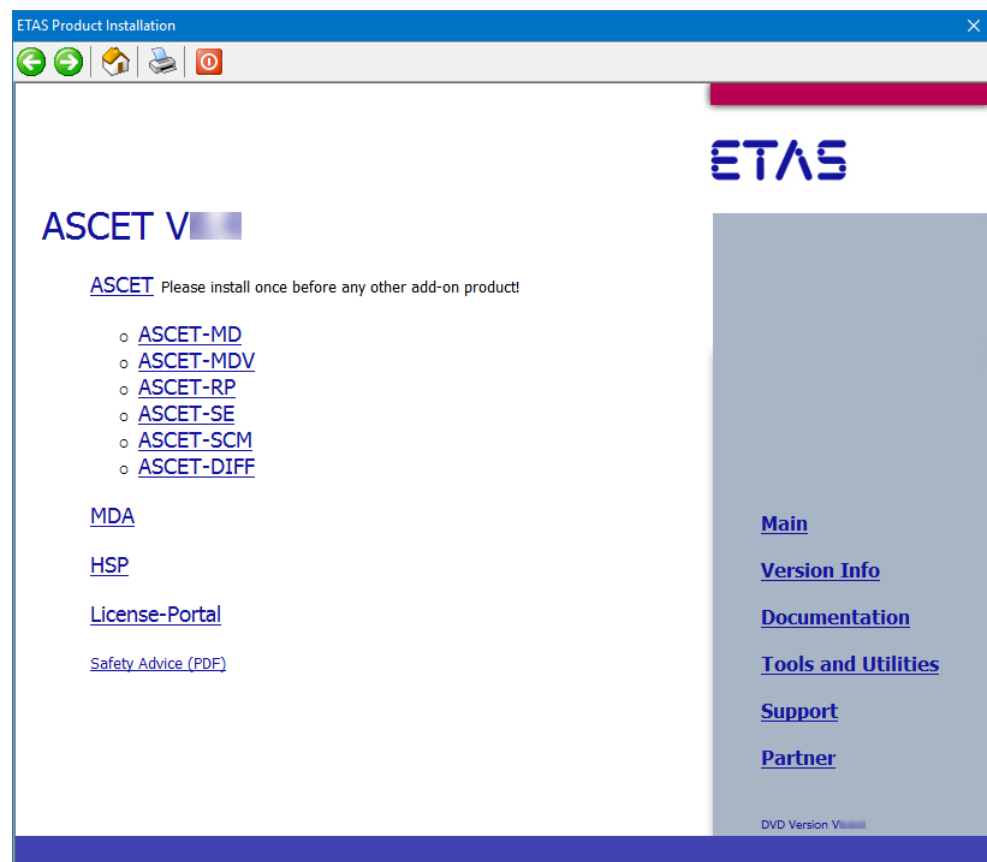
To install ASCET add-ons



NOTE

You can install only ASCET add-ons that match an ASCET version already present on your computer. If you try to install an ASCET add-on onto a non-matching ASCET version, an error message opens and the installation aborts.

1. Re-open the installation dialog.



- 1) available at <https://www.asam.net>

- Click the "ASCET-MD" link (or the link of another ASCET product you want to install).



NOTE

You must install the ASCET base system before you can install ASCET-MD or any other ASCET product except ASCET-DIFF.

ASCET-SCM can only be used if ASCET-MD, ASCET-SE or ASCET-RP is installed, too.

- Follow the instructions on the installation dialogs.

The selected product is installed.

ASCET-RP adds the entry **E > ETAS > ETAS Network settings** to the app list of the Windows Start menu. This entry starts the assistant for the configuration of the ETAS network.

2.2.3 Command Line Installation / Uninstallation

This section describes the command-line installation. Installation via dialog windows is described in section 2.2 "Installing from Installation Disk" on page 9.

When you start the installation from a command line, you can use several command line arguments to customize the installation.



NOTE

The command-line options are case-sensitive. For example, **/s** will cause a silent installation, but **/S** will not.

/s

Silent installation mode. With this installation mode, no dialog windows requiring user information open. Default values, or values from the `install.ini` file, are used for all information normally requested in installation windows. Error messages are hidden, too.



NOTE

/s must be the first command line argument. If other arguments precede it, **/s** has no effect.

Silent installation is started as hidden process. An icon appears in the system tray during installation, but you cannot access the process.

If a reboot is required after installation, you are asked to start a manual reboot.



NOTE

For some ASCET products, environment variables can be defined, or preferences must be set in the `install.ini` file to control silent installation. See the respective documentation for details.

`/ini="<MyPath>\<IniFileName>.ini"`

By default, the `install.ini` file in the installation file directory is used for installation. It may be reasonable, however, to use different installation `*.ini` files for different installations, e.g. if several customers install ASCET products from one central share.

If an installation `*.ini` file is located outside the installation file directory, it is accessed via `/ini="<MyPath>\<IniFileName>.ini"`.

If an installation `*.ini` file is located inside the installation file directory, it is accessed via `/ini=".\<IniFileName>.ini"`.

EXAMPLE

```
setup.exe /S
```

Triggers a silent installation with default installation path and `*.ini` file.

```
setup.exe /ini="C:\Tools\ini files\ASCETinstall.ini
```

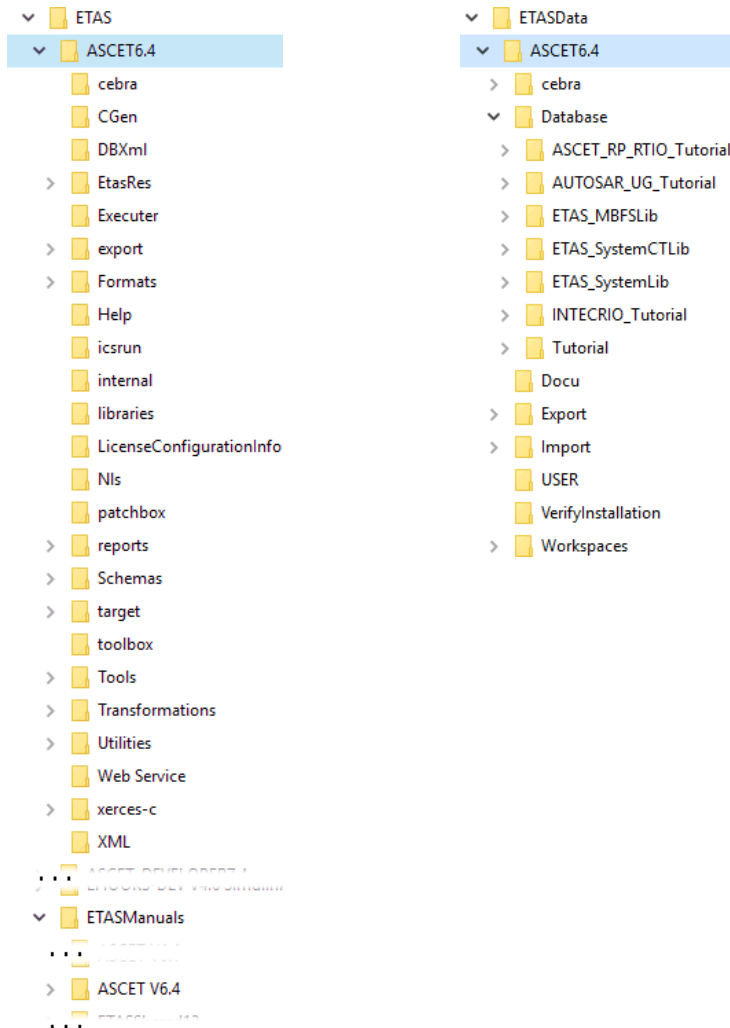
Triggers a non-silent installation with user-defined `*.ini` file.

```
<installation directory>\uninstall.exe /S
```

Triggers a silent uninstallation. For a non-silent uninstallation, remove the optional `/S`.

2.2.4 ASCET Directories

During ASCET installation, the following directory structure is created on the installation disk (unless you modify the path settings):



2.2.4.1 Default Storage Directories

Databases	ETASData\ASCET6.4\Database
Workspaces	ETASData\ASCET6.4\Workspaces
Export	ETASData\ASCET6.4\Export
Import	ETASData\ASCET6.4\Import
generated code	ETAS\ASCET6.4\CGen
generated documentation	ETASData\ASCET6.4\Docu ^{a)}

a) created during documentation generation

2.2.4.2 Changing Default Directories

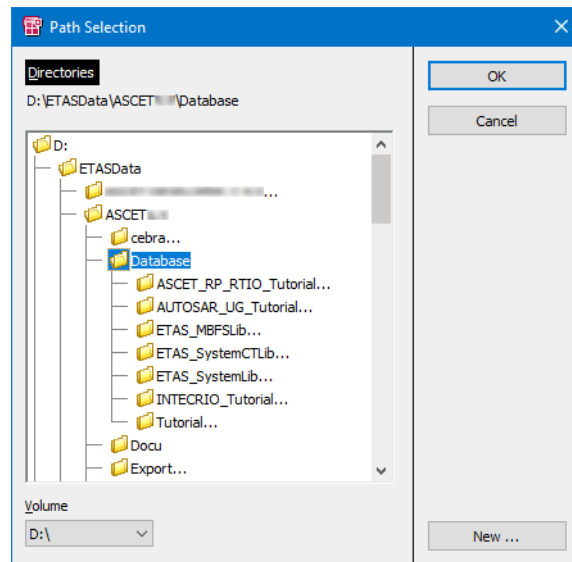
You can use the "Options" dialog window to change the default storage directories. To do so, proceed as follows:

To change the default storage directories

1. In the Component Manager, select the menu function **Tools > Options**.
The ASCET options window opens. You can change the database, work-space, import, export, and documentation paths in the "Environment\Paths" node, and the code generation path in the "Build\Paths" node.



2. Click the button next to the path you want to change.
The "Path selection" window opens.



3. Specify the directory you want to use as default for the selected option.
4. Click **OK**.
The selected directory is displayed in the "Options" window.
5. Repeat these steps for each option you want to change.
6. When you are ready, click **OK** in the "Options" window to accept the changes, or click **Cancel** to discard the changes.

2.3 Network Installation

In addition to the installation from the disk, you can also install ASCET from a network drive on the PC.

The network installation provides the benefit that you can adjust data even before the actual installation on the workstation takes place (see section 2.3.2).

2.3.1 Installing ASCET Products from a Network Drive

The sequence of dialogs when installing from a network drive is the same as described in "Installing from Installation Disk" on page 9.

To provide data on the network server

You have to copy the installation files from the installation disk to the desired network drive.

1. Create a source directory on the desired network drive.
2. Copy all data from the installation disk to the source directory.

3. If desired, customize the installation; see also section 2.3.2

To start the installation

1. Search for the *.exe file (i.e. ASCET.exe, ASCET-MD.exe, etc.) of the product you want to install.
2. Double-click the file.
3. Follow the instructions in the installation dialogs, as described in section 2.2.1 and section 2.2.2.

2.3.2 Customizing the Network Installation

You can customize ASCET (modifying specific default settings) even before the user installs ASCET on his workstation.

You have the following customizing options for the network installation:

- You can customize the installation dialogs, e.g., modify the default settings for directories, etc. (see "Customizing Installation Dialogs" on page 19).
- When one installation is finished, you can perform up to 20 additional installations (see "Concatenating Installations" on page 20).
- You can define the way in which ASCET accesses the required licenses (see "Setting the Licensing Behavior" on page 20).
- You can perform the ASCET installation fully automatically and without user intervention invisibly in the background (see "Automatic Installation" on page 22.)

2.3.2.1 Customizing Installation Dialogs

For the network installation in large enterprises, it is often necessary to customize certain default settings during the installation to fit internal standards and requirements. This is possible by means of the `install.ini` configuration file. This file is located in the installation directory.

The following example will show you how to modify the default settings.

To customize the configuration file

1. Open the `install.ini` file with a text editor.

The following is a typical example of an entry in this INI file:

```
;Sets the main directory of ASCET
;MainDir=c:\ETAS\ASCET6.4
```

2. To modify the default setting, delete ";" (comment) on the line with the `MainDir` keyword.
3. Change the path to, e.g., `H:\programs\ETAS\ASCET6.4`.

The entry should now look like this:

```
;Sets the main directory of ASCET
MainDir=H:\programs\ETAS\ASCET6.4
```

4. Modify other entries in `install.ini` as needed.
5. Save your changes and then close the editor.

When you now start the installation with `Ascet.exe`, the dialog boxes will show the new settings as defaults.



NOTE

The modified path settings affect the functions described below.

2.3.2.2 Concatenating Installations

Using the `AutoInstallXX` parameter in `install.ini`, it is possible to access up to 20 additional installations after finishing one installation.

To concatenate installations

1. Open the `install.ini` file with a text editor.

The following entries pertain to concatenating installations:

```
;AutoInstall01=..\Installation2\Install.EXE
```

```
;AutoInstall02=
```

2. To enable this function, delete the ";" (Comment) that is on the same line as the keyword `AutoInstall01`.
3. Change the path to, e.g., `..\..\HTMLInstall\setup.exe`.

Be sure to enter a specific path that is different from the ASCET installation file. Here, `..\..` means one directory level upward.

```
AutoInstall01=..\..\HTMLInstall\setup.exe
```

Repeat these steps, if necessary, for additional installation files (max. `AutoInstall10`).

2.3.2.3 Setting the Licensing Behavior

In the `[Licensing]` section of `install.ini`, you can define the way in which ASCET and other ETAS software programs access the required licenses.

To define the access to the required licenses

1. Open the `install.ini` file with a text editor.
2. Go to the `[Licensing]` section and modify the settings as desired.

The parameters that can be included in this section, and their settings are described below.

3. Save your changes.

The following parameters may be used:

- `LicenseFileName`

Defines the absolute path to the location of the license file which is to be added.

- `LicensesToBorrow`

You can use this setting if licenses can be borrowed from a license server. To enable the borrow mechanism, you must enter the name of the product or features license (e.g. ASCET). If you enter more than one license, the license names must be separated by blanks.

The ASCET product family uses the following licenses:

License name	Functionality
ASCET-MD	ASCET Modeling and Design
ASCET-RP	ASCET Rapid Prototyping
ASCET-SE	ASCET Software Engineering
ASCET-DIFF	ASCET Difference Viewer
ASCET-VIEW	ASCET Model Viewer (part of ASCET-DIFF)
ASCET-SCM	ASCET Software Configuration Management

- `BorrowExpiryMode`

Defines the way in which the expiration of the borrow status is given. Possible values are:

- `Date`

If `BorrowExpiryMode` is set to `Date`, the borrow period will expire at a certain date which is specified under `BorrowExpiryDate`.

- `Interval`

If `BorrowExpiryMode` is set to `Interval`, the borrow period will expire after a certain number of days which is specified under `BorrowExpiryInterval`.

- `BorrowExpiryDate`

If `BorrowExpiryMode` is set to `Date`, the `BorrowExpiryDate` parameter specifies the date when the borrow period expires. The format is `yyyy-mm-dd`.

- `BorrowExpiryInterval`

If `BorrowExpiryMode` is set to `Interval`, the `BorrowExpiryInterval` parameter specifies the length of the borrow period in days.

- `ExecuteBorrowAutomaticExtensionInterval`

Defines at what point of time the borrow period will be automatically extended. This parameter specifies the number of days before the expiration of the current borrow period. When this time is reached, the borrow period is automatically extended to the interval specified under `BorrowAutomaticExtensionInterval`.

- `BorrowAutomaticExtensionInterval`

This parameter specifies the borrow interval in days that is applied when an automatic extension of the borrow period is executed (as defined under `ExecuteBorrowAutomaticExtensionInterval`).

- `ImmediateBorrow`

You can define that a license is automatically borrowed. Possible values are:

- `True`
The license is borrowed automatically at installation time.
- `False`
The license will be borrowed at the first time when the program connects to the license server.
- `CustomLicenseFolder`
The default location for added license files is only writable for users with admin rights. Therefore, a different path for the license file folder may be specified with this parameter.

The following example defines that borrowing is enabled for ASCET. The license will be borrowed when ASCET will be started for the first time; by default the license expires after 100 days.

EXAMPLE

```
[Licensing]
LicenseFileName = 'd:\licenses\MyLicense.lic'
LicensesToBorrow = 'ASCET-MD'
BorrowExpiryMode = 'Interval'
BorrowExpiryInterval = '100'
ImmediateBorrow = 'false'
```

2.3.2.4 Automatic Installation

By calling `Ascet.exe /s` you can execute the ASCET installation fully automatically and transparently in the background, i.e., without any required user interaction. This will select the currently valid default settings. You can configure these settings in the `install.ini` file (see "Customizing Installation Dialogs" on page 19).

If you, as the system administrator, create a batch file that contains the `ascet.exe /s` command, and configure the required settings in `install.ini`, the users can run the installation process themselves by executing this batch file without the need to enter any further information.

As this type of installation does not display any dialog boxes, you may want to provide some mechanism to inform the user when the installation has finished.

See also section 2.2.3 "Command Line Installation / Uninstallation" on page 15.

2.4 Licensing

A valid license is required to use the software. You can obtain a license in one of the following ways:

- from your tool coordinator
- via the self-service portal on the ETAS website at www.etas.com/support/licensing
- via the ETAS License Manager

To activate the license, you must enter the Activation ID that you received from ETAS during the ordering process.

For more information about ETAS license management, see the [ETAS License Management FAQ](#) or the ETAS License Manager help.

To open the ETAS License Manager help

The ETAS License Manager is available on your computer after the installation of any ETAS software.

1. From the Windows Start menu, select **E > ETAS > ETAS License Manager**.
The ETAS License Manager opens.
2. Click in the ETAS License Manager window and press <F1>.
The ETAS License Manager help opens.

2.5 Uninstalling

When ASCET is uninstalled, *all matching* add-ons on the computer are uninstalled, too. You can uninstall only the entire ASCET product family, not separate products as ASCET-MD, ASCET-SE or ASCET-RP.

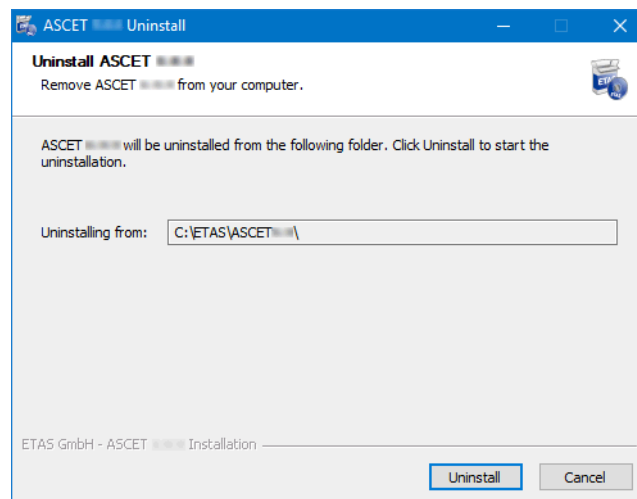
There are several ways to start the ASCET uninstall process:

- **Programs and Features** in the Windows Control Panel
- **ASCET Uninstall** from the **ASCET 6.4** program group in the Windows start menu
- **Apps > Apps & features** from the Windows Settings
- run `<installation directory>\uninstallASCET.exe`

To uninstall ASCET

1. Start the uninstall procedure.

The following window is displayed:

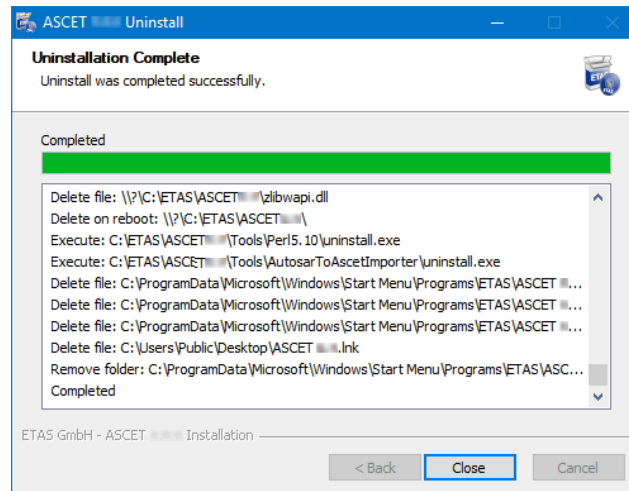


NOTE

The next step starts the uninstallation. Be careful; you cannot cancel the uninstallation once it is running.

2. Click **Uninstall**.

ASCET is uninstalled.

3. Click **Close** to end the uninstallation.

2.6 Installing ASCET in Read-Only Directories

By default, ASCET uses the installation directory to write temporary data (most notably for code generation in the `cGen` directory). However, as security becomes more and more important, installation directories shall be write-protected, like the `C:\Program Files` directory. ASCET can also be installed in such a directory, as described below.

As described in section 2.3.2 "Customizing the Network Installation", several settings can be specified in an `install.ini` file.

The installation directory can be configured, via the **MainDir** key, to direct the installation to the intended directory. The data directory can be configured via the **MainDataDir** key, and set to a directory where all users can write. The directory for generated code, also called `cGen` directory, can be configured using the **cGenPath** key.

In case it shall be allowed to add declarations of compilers, interpolation routines, user-defined system constants etc. after installation time, a path to an alternative tools directory can be specified with the **AlternativeToolsPath** key.

EXAMPLE

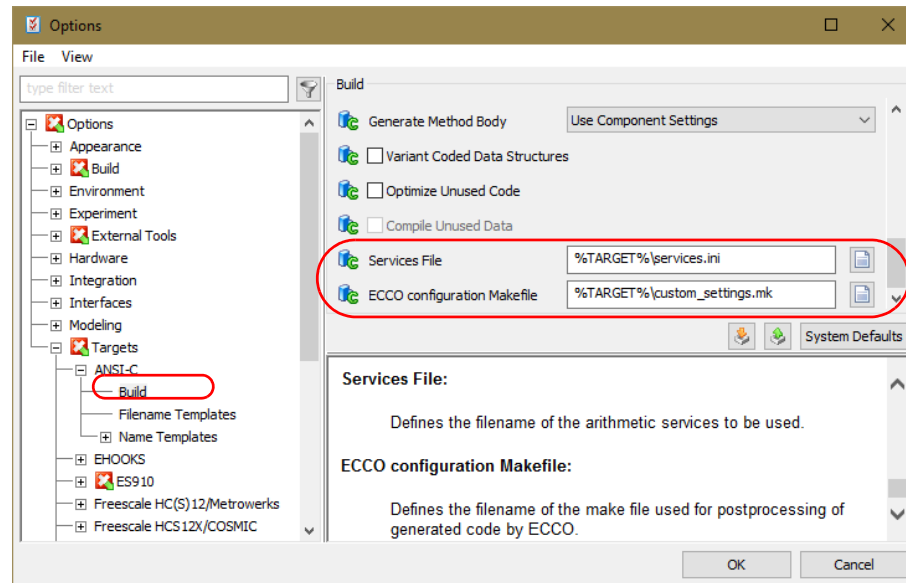
`install.ini` file:

```
[Preferences]
MainDir=C:\Program Files (x86)\ETAS\ASCET6.4
MainDataDir=%USER%\Documents\ASCET6.4
cGenPath=%TEMP%\ETAS\ASCET6.4\cGen
AlternativeToolsPath=%USER%\Documents\ASCET6.4Tools\
```

Files in the target directories may need adaption after installation time:

- location of the `services.ini` file
- location of the `custom_settings.ini` file

The paths to these files can be configured in the target settings, i.e. in the ASCET options window, "Target\ <target>\Build" node.



See the ASCET online help for details on how to set ASCET options.

2.7 Running Multiple ASCET Instances from One Installation

Running multiple instances of ASCET from one installation concurrently is intended for automated procedures, such as code generation of many projects or generation of vector graphics for many components. For this reason, the invocation relies on special command line arguments, and the interaction with an instance is via the ASCET automation API exclusively.

The first step is to invoke ASCET:

```
ASCET.exe -multiInstance:Prj1 -wspport:12345
```

This will start an ASCET instance with the name **Prj1**, listening to API requests on port 12345.

The instance name has two purposes:

- The instance name is automatically added to the paths of the temporary directory, the log files directory and the code generation directory to isolate the instances.
- The instance name is available as the placeholder `%INSTANCE%` for more paths (e.g. the `services.ini` file specified in the target directory).

When ASCET runs in multi-instance mode, there is some special behavior:

- ASCET does not write settings to the file system (e.g. station settings).
- ASCET does not write to the registry (e.g. the most recently used databases).
- The COM-API is deactivated, because it cannot have multiple servers at the same time.
- Version and configuration management using ASCET-SCM do not work.
- The Idle time shutdown does not work.

3 Contact Information

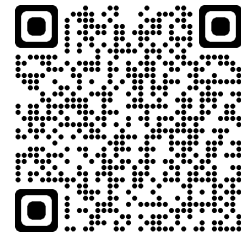
Technical Support

For details of your local sales office as well as your local technical support team and product hotlines, take a look at the ETAS website:

www.etas.com/en/hotlines.php

ETAS offers trainings for its products:

www.etas.com/academy



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