ARCWAY AG

Client Softwareverteilung

English

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ARCWAY AG

Potsdamer Platz 10
10785 Berlin
GERMANY
+49 30 800 97 83 0 (Phone)
+49 30 800 97 83 111 (Fax)
info@arcway.com
Chairman: Karsten Wulfes
Chairman of the Supervisory Board: Uwe Barchmann
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1 INTRODUCTION/OVERVIEW

This document is intended as a source of information for administrators facing the task of automating the installation of ARCWAY Cockpit Clients. It is a supplement to the document "Client Installation", which describes the system requirements and the typical installation using the ARCWAY Cockpit Client Setup program.

Currently the "unattended" installation of the ARCWAY Cockpit client software is not supported by the client setup program. However, the functionality of the ARCWAY Cockpit client setup program is not large. Therefore, the creation of an "ARCWAY Cockpit Client Software Package" suitable for the respective software distribution system used is possible with little effort even without the functionality of the client setup program.

The basic procedure for creating such a software package is to first create a reference installation of an ARCWAY Cockpit Client with all desired features and then combine the files of this reference installation into the desired software package.

In the following section you will find notes on the structure of an ARCWAY Cockpit client installation as well as an overview of those parts that are to be included in a software package for a software distribution system and which of these parts require adaptation depending on the respective target system. Finally, you will find further information in this document. For example, how you can integrate client-specific license files into your installation packages.

If you have any questions about this document, or if you have comments or suggestions about this document, please contact us at support@arcway.com .

2 ARCWAY COCKPIT CLIENT INSTALLATION

2.1 Installation Directory

Contents of the installation directory

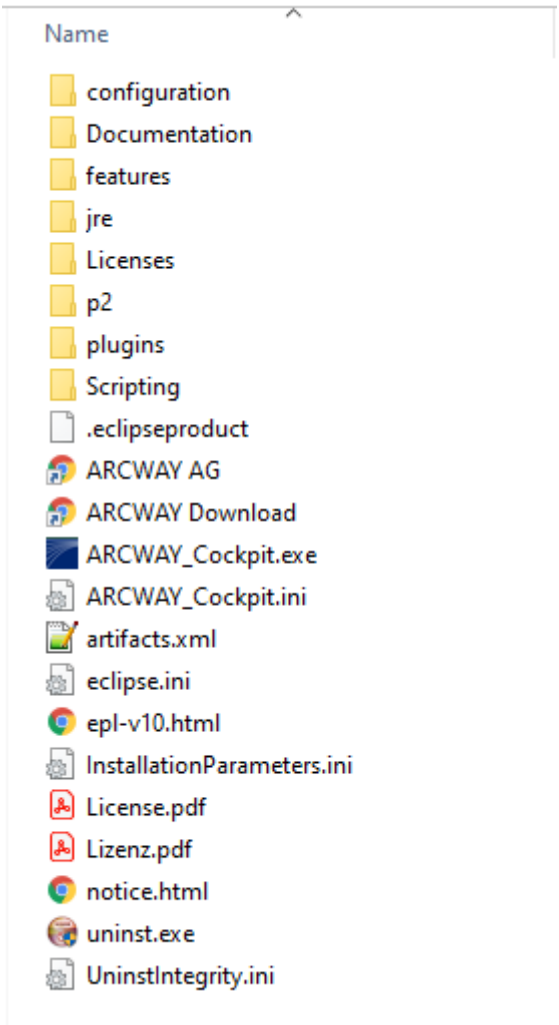

Figure 1: Contents of the installation directory

Figure 1 shows the contents of an installation directory as it is usually generated by the ARCWAY Cockpit client setup program. The parts contained in can be divided into the following groups:

Mandatory required parts:

- configuration-Directory
- features-Direcetory

- Licenses-Directory
- p2-Directory
- plugins-Directory
- .eclipseproduct-File
- ARCWAY_Cockpit.exe-File
- ARCWAY_Cockpit.ini-File
- artifacts.xml-File

If one of these installation components is missing, the client cannot be started. The content of the **ARCWAY_Cockpit.ini** file must normally be adapted to local conditions (further instructions will follow). Furthermore, it may be useful to fill the **Licenses** directory with existing client license files.

Java Runtime Environment:

- jre-Directory

For the operation of the ARCWAY Cockpit Client a system-wide installed Java runtime environment can be used, if it is a compatible version. However, it is usually advisable to install a separate runtime environment to minimize the dependencies between the installation packages. The **jre** directory is only created by the ARCWAY Cockpit client setup program if the corresponding installation option has not been deselected.

Installation / Uninstallation:

- uninst.exe-File
- InstallationParameters.ini-File
- UninstIntegrity.ini-File

The file **uninst.exe** contains the deinstallation program created by the setup program and the file **UninstIntegrity.ini** contains additional information which is evaluated by the deinstallation program. The **InstallationParameters.ini** file contains information about the installation process and the parameters selected.

These three files should not be included in a software distribution package.

Other:

- Documentation-Verzeichnis

- Scripting-Verzeichnis
- License.pdf-Datei
- Lizenz.pdf-Datei
- ARCWAY AG.url-Datei
- ARCWAY Download.url-Datei

The **Documentation** directory currently contains the following documents: Hardware software requirements, installation instructions, update instructions. Since the things described in these documents usually work differently in a software distribution environment, they should not be included in a software distribution package.

The files **License.pdf** and **Lizenz.pdf** contain the ARCWAY Cockpit license terms and should be included.

The two ***.url** files have the purpose that one can integrate shortcuts to these files into the start menu in order to open a browser with further information about the product ARCWAY Cockpit and ARCWAY AG later by clicking on the respective start menu entries. Accordingly, these files should be included in a software distribution package.

The **Scripting** directory contains example scripts and should also be included.

2.2 Data Directorys

User-specific data area

In the following, the user-specific data area is also called *workspace* or *osgi instance area*.

Each user has his or her own storage area to store the changes he or she has made to cockpit projects. The changes made to the cockpit projects are stored in this memory area until the user explicitly causes these changes to be "uploaded to the server". A user is by no means forced to upload all his changes to the server before closing the client. Accordingly, changes made in the course of multiple client sessions can accumulate in this memory area. The used *workspace* directory is defined by the parameter `-Dosgi.instance.area=...` in the file

ARCWAY_Cockpit.ini. On a German Windows 10 system, the client setup program would set the following parameter value:

```
-Dosgi.instance.area=
   @user.home/AppData/Roaming/ARCWAY/Cockpit350CS
```

@user.home stands for the home directory of the respective user determined by the Java VM used to operate the client. The following path would then be used for the user on a German Windows 10 system, for example:

C:\Users\[username]\AppData\Roaming\ARCWAY\Cockpit350CS

User-specific configuration area

The *configuration area* memory area is required because ARCWAY Cockpit is based on the Eclipse platform and this platform requires the presence of such a memory area. The space requirement for this memory is small << 10MB. If this memory area is deleted, its contents will be recreated if necessary.

It is important to make sure that a new *configuration area* is set for each change to the client installation, because an existing memory with incorrect content will later lead to problems when operating the cockpit client. This also applies if the new client version and the previously installed version do not differ regarding the cockpit release number.

If *Windows Roaming Profiles* are used, you should also make sure that the *configuration area* memory area is not replicated.

The used **configuration area** directory is defined by the parameter `-Dosgi.configuration.area=...` in the file **ARCWAY_Cockpit.ini**. On a German Windows system, the Client Setup program would set the following parameter value:

```
-Dosgi.configuration.area=
@user.home/AppData/Local/ARCWAY/conf/350CS16_90906100258
```

@user.home again stands for the home directory of the respective user. The folder **Local** is excluded by default from replication when using *Roaming Profiles*. The condition that a new *configuration area* is used each time the client installation is changed ensures that the client setup program adds a time stamp to the end of the directory name - in the above example: "90906100258".

Temporary directory (user-specific)

The ARCWAY Cockpit Client uses temporary files to store intermediate results (for example, when creating reports or copying graphics to the clipboard). Such temporary files are only used during the operating time of the ARCWAY Cockpit Client and are deleted when the client is closed (or at the latest at the next start).

As storage location for such files, the Cockpit Client uses a subdirectory in the temporary directory that has been determined by the Java VM used to operate the client.

Under Windows, the temporary directory determined by a Java VM is by default a directory within the home directory of the logged-on Windows user. It is also located in the part of the home directory that is not replicated when *roaming profiles* are used (and this is extremely useful). Example:

, **code C:\Users\[username]\AppData\Local\Temp\aest_0oggq**

If the default value is not usable, the directory to be used by the Java VM can be changed by adding an additional parameter line of the following form to the file **ARCWAY_Cockpit.ini** (This line must be inserted after the `-vmargs` line):

```
-Djava.io.tmpdir=c:\Temp
```

2.3 Start Menu

Standard Start Menu Entries Windows 10

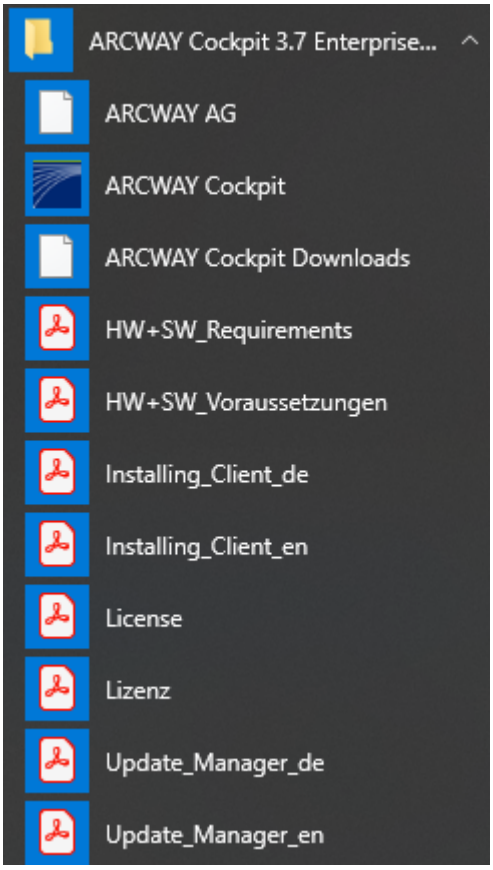

Figure 2: Standard Start Menu Entries Windows 10

Shortcuts:

- ARCWAY AG-Shortcut
- ARCWAY Cockpit- Shortcut
- ARCWAY Cockpit Downloads-Shortcut
- Installing_Client_en-Shortcut
- License-Shortcut
- Lizenz-Shortcut
- Update_Manager_en

In any case, a shortcut with the name component ARCWAY Cockpit should be integrated into the start menu to enable the start of ARCWAY Cockpit. The corresponding shortcut must refer to the file **ARCWAY_Cockpit.exe** in the installation directory. In addition, it makes sense to include at least one further

shortcut in the start menu, which leads to further information and downloads about the product ARCWAY Cockpit. This can be achieved by a shortcut to one of the two files "ARCWAY Download.url" and "ARCWAY AG.url".

2.4 Windows Registry

To use the full functionality of the ARCWAY Cockpit client software, no changes to the Windows registry are necessary.

Nevertheless, the ARCWAY Cockpit client setup program adds an entry to the Windows registry which serves to ensure that ARCWAY Cockpit is listed in the list of installed software and that the uninstallation process of the ARCWAY Cockpit client software can be started in the usual way. The generated entry should not be included when creating a software distribution package. (The packaging program used to create the new software package will probably offer the creation of a comparable, suitable entry anyway).

The registry entry created for this purpose is in:

```
HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\Uninstall
```

The name of the entry created there starts with "ARCWAY Cockpit".

3 WEITERE HINWEISE

3.1 Installation von Lizenzen

Usually there is one license file per Windows user name to unlock ARCWAY Cockpit. It is possible to store the license files of all users in the **Licenses** directory and distribute them via the software package. In this way, the matching Windows users are spared the manual import of their license files.

3.2 Setting the Server

The manual setup of the ARCWAY Cockpit server by the later users can be avoided, if this is done automatically by the client. The prerequisite for this is that the file **ARCWAY_Cockpit.ini** in the installation folder of ARCWAY Cockpit is supplemented by corresponding parameter values/rows. However, this only works if the corresponding entries are available before the user has started the client for the first time. When ARCWAY Cockpit is started for the first time, the *workspace* of the respective user is initialized, and these parameter values are only considered during this process.

The necessary parameter values, which would normally have to be entered when creating a server connection manually, are to be defined by adding 3 lines of the following form at the end of the **ARCWAY_Cockpit.ini** file:

```
-Dcockpit.defaultserver.name=Cockpit Server
-Dcockpit.defaultserver.url=
   http://cockpitserverhost:8080/CockpitServer/
-Dcockpit.defaultserver.keepAliveInterval=180
```