

1 Using two versions of Clarity on a single computer

1.1 Description

Clarity needs properly registered *.DLL files from its root directory to run. When two different versions are installed on the same computer (in different folders), the version that has been installed last will register its *.DLL files.

When you try to run the other version Clarity (that has been installed first), it will produce error message *"Cannot find integration card or hardlock key"*.

This is because the A/D board, dongle handling and other *.DLL files are registered to the later installed version of Clarity.

1.2 Solution

There are two ways how to get around this problem.

- Always re-install the version that has to be used.
- Start **Clarity** using a simple batch (*.BAT) file that re-registers the proper *.DLL files. (This alternative will be described later.)

2 Set up the batch files (step-by-step procedure)

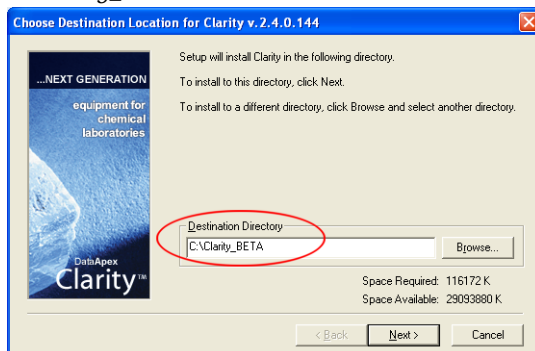
2.1.1 Installation

- Instal the release version of **Clarity** according to the instructions of the installation program.

Note: *If you already have **Clarity** installed on your computer you can skip this step.*

Install the beta version of Clarity to separate folder e.g. Clarity_BETA:

- In the first dialog change the **Destination Directory** to *Clarity_BETA*



- In the third installation dialog change the name of the **Clarity** group in **MS Windows Start** menu to *Clarity_BETA*.



Note: *You can also select **Skip** to have not any entry for the beta version in **Start** menu.*

- The rest of the installation is the same like in the release version.

2.1.2 Add StartClarity.bat

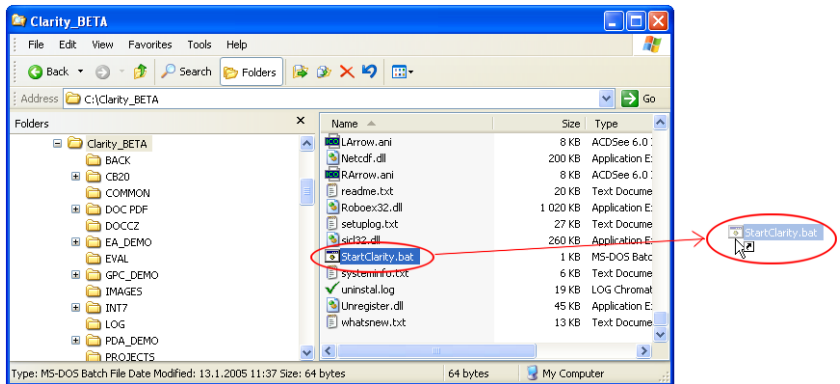
Note: *In the procedure we expect that you have **Clarity release** version installed in the default installation folder (C:\CLARITY) and **Clarity BETA** version installed in the C:\CLARITY_BETA folder.*

Copy the batch files:

- Use filemanager (e.g. Windows Explorer) to copy the enclosed .bat files.
- When using **Windows XP and older**, copy the **STARTCLARITY.BAT** file to both C:\CLARITY and C:\CLARITY_BETA folders.
- When using **Windows Vista** or **7**, copy the **STARTCLARITY-VISTA-7.BAT** file to both C:\CLARITY and C:\CLARITY_BETA folders and edit them in their directories (e.g. by right clicking on the icon in the Windows Eplorer and choosing the Edit menu item). In this files, replace the two occurencies of "C:\Clarity_BETA" texts to respective path where the .bat file is located, for example C:\CLARITY (Otherwise Windows Vista/7 will try to register the libraries in Windows installation directory without any warning).

Create desktop shortcuts:

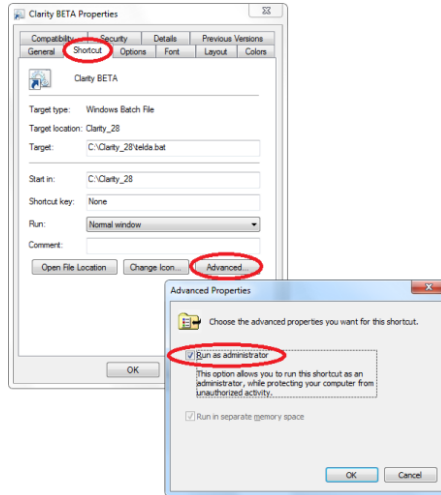
- Go to the C:\CLARITY folder in filemanager.
- Locate the STARTCLARITY.BAT (or STARTCLARITY-VISTA-7.BAT) file and drag it to the desktop while holding the **CTRL** + **SHIFT** keys. Windows will create a desktop shortcut.



- Rename the shortcut to **Clarity RELEASE**.
- Repeat the same in the C:\CLARITY_BETA folder and rename the resulting shortcut to **Clarity BETA**.

When using Windows Vista or 7:

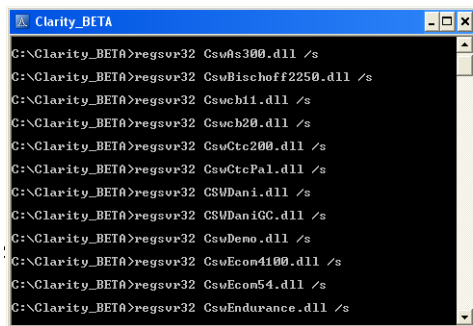
- Consequently right click on the created shortcuts and choose the **Properties** menu item.
- In the Shortcut Properties dialog, ensure you have active the **Shortcut** tab, click the **Advanced** button and check the **Run as administrator** checkbox (otherwise the libraries will not be registered properly without any warning).



3 Using Clarity

3.1.1 Start Clarity using the shortcuts

- Now when you start **Clarity** using the new desktop shortcuts Clarity_RELEASE or Clarity_BETA.
- A black command prompt window will appear displaying the progress of *.dll registration.



```
C:\Clarity_BETA>regsvr32 CasAs300.dll /s
C:\Clarity_BETA>regsvr32 CasBischoff2250.dll /s
C:\Clarity_BETA>regsvr32 Casch11.dll /s
C:\Clarity_BETA>regsvr32 Casch20.dll /s
C:\Clarity_BETA>regsvr32 CasCtc200.dll /s
C:\Clarity_BETA>regsvr32 CasCtcPal.dll /s
C:\Clarity_BETA>regsvr32 CSWDani.dll /s
C:\Clarity_BETA>regsvr32 CSWDaniGC.dll /s
C:\Clarity_BETA>regsvr32 CasDemo.dll /s
C:\Clarity_BETA>regsvr32 CasEcom4100.dll /s
C:\Clarity_BETA>regsvr32 CasEcom54.dll /s
C:\Clarity_BETA>regsvr32 CasEndurance.dll /s
```

- Then the command prompt will disappear and after a while **Clarity** will start.

Note: *It takes a while for **Clarity** to start, sometimes more than 30 seconds. So please be patient.*


Using these new shortcuts is necessary only when switching between the versions. Next time it is of course possible to start Clarity using the normal shortcuts.

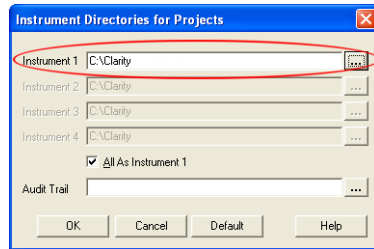
3.1.2 Share data among Clarity versions

Clarity files are both forwards and backwards compatible among versions. It is safe to share data among the release and beta versions of Clarity.

Note: *Should there be a necessity in the to upgrade files without backwards readability, there will be a clear warning.*

The procedure to make Clarity_BETA using the same data like Clarity release is following:

- In the main **Clarity** window of *Clarity_BETA* version use the **File – Directories** command or  icon.



- In the **Instrument Directories for Projects** dialog click the **...** button next to the **Instrument** field that you want to use and navigate to the instrument directory of Clarity release version (C:\CLARITY by default)

Note: *It is the directory that contains projects and common subdirectories. Do not navigate to C:\Clarity\Projects.*

- In the **Instrument** window use the **File - Projects** command to select the desired project. In the invoked **Project Setup** dialog use the **Open** button to display a list available projects. The projects listed in the **Open Project** dialog are the same like in the release version.
- Now the BETA version will automatically navigate to the same folders and files like the release version.