



Scientific Computing & Modelling

Installation manual for Windows

ADF Program System

Release 2004.01

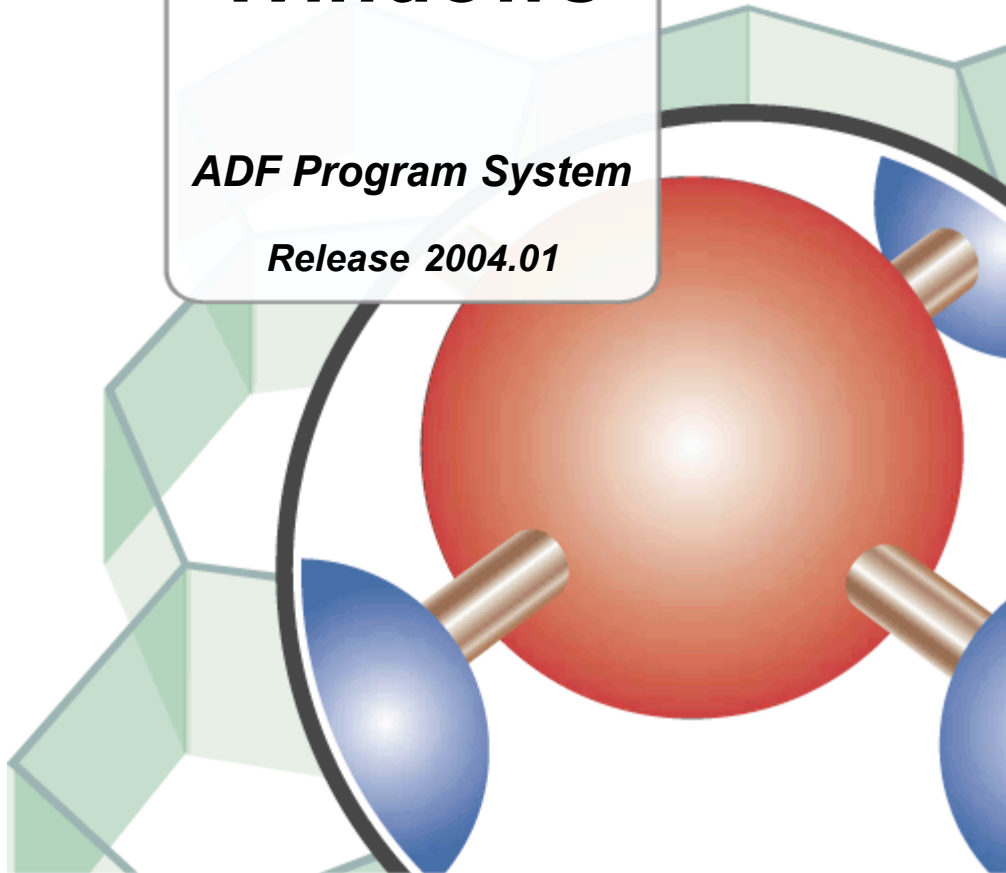


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ADF 2004.01

Since version 2004.01, the installation on Windows systems has been greatly simplified. You just need to execute the downloaded setup file and it will install ADF in the directory of your choice using Windows Installer and update all the necessary environment variables. See the instructions for downloading ADF on our [download page](#).

You must have **ADMINISTRATOR** privileges to install ADF on Windows 2000/XP!

Important: You must obtain a license file before you can use ADF programs. Please contact support@scm.com. After you have obtained the license, save it in the %ADFHOME%\license.txt file, here %ADFHOME% is the folder where you installed ADF. If you attempt to run GUI programs without obtaining a license first, they will exit without error message.

To obtain the information necessary for creating the license you can do the following:

Click on the Start menu and select Run, type (on Windows 2000/XP):

```
cmd /k %ADFBIN%\adf.3.exe
```

or (on Windows 98):

```
command /c %ADFBIN%\adf.3.exe
```

Press Alt-Space, select Edit->Select All and press Enter.

Open your favorite e-mail program and paste contents of the clipboard into a new e-mail. Send the e-mail to support@scm.com. Remember to also include in the e-mail information about the research group you are requesting the license for.

The SCMLICENSE environment variable is set by default to %ADFHOME%/license.txt, therefore after receiving the license file you should save it in that location.

ADF 2004.01 and Cygwin

Cygwin is no longer needed for ADF to work; moreover it will cause problems if Cygwin binaries are executed from within ADF and/or MinGW programs. MinGW is a Windows port of Unix utilities and Msys is a subset of it provided with ADF for convenience. It is necessary for ADF to work and it replaces Cygwin needed in the previous versions of ADF (version 2003.01 and earlier). If you have Cygwin installed on your computer, make sure that its binary files folder is placed **after** Msys folder in the PATH environment variable (normally the ADF Setup program takes care of this).

Do not run ADF from Cygwin programs (Emacs, xterm, etc.). Cygwin adds /cygdrive/ to pathnames in some of the important environment variables, including PATH, which prevents some non-Cygwin programs, including ADF, executed from inside Cygwin from working properly.

If you would like to keep using Cygwin in parallel with ADF you have a choice depending on your personal preferences. If you prefer to work from Unix shell command line, then you can create a shortcut for C:\ADF2004.01\msys\bin\sh.exe and place it on the desktop. You can then use it instead of Cygwin's shell to run ADF programs. However, if you prefer to use Windows native tools, i.e. Windows Explorer and alike, you can, using an editor of your choice, create a shell script that executes ADF; save the script with .run extension and execute it by double-clicking in the Windows Explorer (ADF Installation procedure associates files with .run extension with C:\ADF2004.01\msys\bin\sh.exe).

If you want to know more about MinGW and Msys, visit [their website](#).

Environment Variables

ADF installation procedure updates all necessary environment variables automatically. The following variables are affected:

- ADFHOME, ADFBIN, ADFRESOURCES are given new values pointing to the appropriate folders in the ADF folder
- It is important to ensure that ADF programs find proper files during execution. To this end, the PATH environment variable is updated by adding three folders:
 - ADF programs folder (C:\ADF2004.01\bin by default).
For correct functioning of ADF it is important to make sure that previous versions of ADF do not appear in the PATH variable before this folder.
 - Tcl shell and Tcl/Tk dynamic libraries (DLL's) folder (C:\ADF2004.01\bin\TclTk\bin).
 - Msys, MinGW mini-system, binary files folder (C:\ADF2004.01\msys\bin).

ADF Setup modifies the system portion of the PATH variable. This means that you must have Administrator privileges to install ADF correctly.

Avoid Spaces in File and Directory Names

It is recommended to never use with ADF any path names that contain spaces. That is, the ADF installation folder must not contain any spaces. For this reason C:\Program Files\ is not a suitable location to install ADF into. It is also not recommended to run ADF from a folder with spaces in the path name, e.g. "C:\Documents and Settings\Default User\My Documents\", although it might work in some cases and might fail in the other. The same applies to names with spaces, for example "Iron Chloride.adf".

Getting support

When something goes wrong and you would like to get help, please send an e-mail to [SCM Support](#) and include the following information:

- The ADF version.
- Information about environment variables. To obtain it, you can do the following (on Windows 2000, on other systems it should be similar):
 - Click "Start" menu and select "Run".
 - Type `msinfo32` (`msinfo` on Windows 98) and press Enter.
 - System Information utility will start. Unfold the "Software Environment" item in the left window.
 - Right-click on the "Environment Variables" and select "Save as Text File".
Enter a file name. Click Save.
 - Attach the file to the support request.
- Content of the file specified in the SCMLICENSE environment variable.
- Description of the problem and the sequence of actions to reproduce it.