

# Installation Notes for ADINA 9.1 Windows Version

## I. Minimum System Requirements

- Operating system: 64-bit PC Windows XP/Vista/7/8
- Memory: 256 MB RAM or more
- Disk space: 460 MB for typical installation
- You may need to run the Microsoft C++ 2005 SP1 Redistributable Package Security Update vcredist\_x64.exe in <ADINA Installation Directory>\Microsoft\ if the package is not already installed
- Optional: OpenGL 3.3 compatible graphics card with at least 1 GB memory on Windows Vista/7/8 for fast graphics mode display
- Optional: Intel Visual Fortran 11.0 (only needed for customization of user-supplied subroutines, see Section VI)

## II. Installation

*Log on as the Administrator.*

1. *Using CD-ROM:* Insert the ADINA System 9.1 CD-ROM in the CD drive, and the CD-ROM menu should appear. If the CD-ROM menu does not appear, choose Run from the Windows Start menu, and click the Browse... button to select Autorun.exe from the CD-ROM, then click OK. On the CD-ROM menu, click Install ADINA 9.1 (64-bit).

*Using Installation File:* Run the installation file ADINA91#w64.exe (# is the minor release number 0, 1, 2, etc).

You will be prompted to enter a password to continue with the installation. Please contact ADINA R&D if you do not have the installation password.

2. Follow the instructions of the Setup program on the screen to install the ADINA System.
3. Setup offers three types of installations:
  - **Typical** install ADINA, ADINA-T, ADINA-F, ADINA-FSI, ADINA-TMC, ADINA-AUI, online manuals, and sample problems.
  - **Compact** install ADINA, ADINA-T, ADINA-F, ADINA-AUI, and sample problems.
  - **Custom** select the components you want to install, e.g. Interface program for I-deas or Femap.

4. If you select to install TRANSOR for I-deas or Femap, the setup program will ask you for the folder where I-deas or Femap is installed. Please read the corresponding Section VII or VIII for additional information.
5. If you are using a node-locked license, proceed to Section III. If you are using a floating license, proceed to Section IV.

### III. Node-Locked License Setup

*Note: If you are using a Sentinel USB dongle for licensing, please make sure that it is attached firmly to the USB port and you have installed the Sentinel driver on the machine. The driver setup program is*  
<ADINA Installation Directory>\Sentinel\Driver.exe.

1. Choose Start→Programs→ADINA System 9.1→Install Node-Locked License to start the license program. The system ID of your PC will be displayed. You need to provide ADINA R&D ( email: [password@adina.com](mailto:password@adina.com) ) with this system ID to obtain your password.
2. Click **Import...** to import the ADINA license file (\*.txt) emailed to you.
3. Click OK to complete the license installation.

*If you have any problem installing the password, please check out FAQ QI-002 on our web site: <http://www.adina.com/faq/qi002.shtml>*

### IV. Floating License Setup

The ADINA floating license uses the Reprise License Manager (RLM). Note that the license server machine can be a Linux or Windows machine.

For **University users**, you need to provide the IP subnets where ADINA will be used, e.g. 152.12.\*.\*. You may specify up to 5 subnets.

On the machine to be used as the ADINA floating license server,

1. Run the **rlmhostid** command to obtain the **Host ID** which you need to send to ADINA R&D ( email: [password@adina.com](mailto:password@adina.com) ).

Start→Programs→ADINA System 9.1→Floating License→RLM Host ID

2. Once you received the floating license file (e.g., **yourcomp.lic**), put the file in the **RLM** sub-folder. Then, start the license manager with the **rlm** program in a command window.

```
rlm -dlog rlm.log
```

Additional help is provided through

Start→Programs→ADINA System 9.1→Floating License→Help

For more information on the RLM License Administration, please refer to the document RLM\_License\_Administration.pdf in RLM sub-folder. Note that not all options described in the document are available in the ADINA System.

## V. Online Manuals

The ADINA manuals are available as online pdf documents. To view the online documents, you will need to have Acrobat Reader or another program that can view pdf files. You can access the pdf files directly from the directory <ADINA Installation Directory>\Docs or from the AUI Help menu. In addition, specific help (html files) on the use of the AUI is also available from the Help menu or the individual dialog boxes.

## VI. User Subroutines

You need the Intel Visual Fortran 11.0 compiler to customize the user subroutines.

The Makefiles to make the dynamic link libraries (dll) and the Fortran source codes are installed in the usrdll sub-folder. To build and use a new dll, please refer to the README.txt file in the usrdll sub-folder.

## VII. TRANSOR for I-deas

*Note: You need to select Custom installation to install this component.*

TRANSOR is available for I-deas NX I-deas 6. It requires Open I-deas to be running. The interface programs are accessed through the Application Launcher or the icon panel.

TRANSOR for I-deas Users Guide is provided in HTML format. You can view the manual using the Application Launcher (TRANSOR Help).

## VIII. TRANSOR for Femap

*Note: You need to select Custom installation to install this component.*

TRANSOR is available for Femap v11.x. Please see the manual trans4f\_91.pdf installed in the Docs folder.

## IX. Uninstall

To uninstall the ADINA System, open the Control Panel and click on Programs (or Add/Remove Programs). Select ADINA System 9.1 and click Uninstall.

## X. Installed Directories and Files

Depending on the components installed, your computer may or may not have the following directories and files.

Directory	Files	Description
x64	adina.exe adinaf.exe adinat.exe adfsi.exe adtmc.exe aui.exe a*usr.dll other *.dll	ADINA executable file ADINA-F/-EM executable file ADINA-T executable file ADINA-FSI executable file ADINA-TMC executable file ADINA User Interface (AUI) executable file Dynamic link libraries (dll) for user subroutines other dlls required by ADINA programs
bin	*.exe *.bat	Utility programs and files that work with the ADINA programs
usrdll	ovl*.f ovlf0u.f at00u.f	ADINA user-subroutine source files ADINA-F user-subroutine source file ADINA-T user-subroutine source files
docs	*.pdf	Online pdf manuals
html	*.html	Online html help files
samples\a	*.in ; *.plo	Command files for ADINA linear example problems
samples\b	*.in ; *.plo	Command files for ADINA nonlinear example problems
samples\f	*.in ; *.plo	Command files for ADINA-F/FSI example problems
samples\t	*.in ; *.plo	Command files for ADINA-T/TMC example problems
samples\primer	*.in ; *.plo	Command files for primer example problems see AUI Primer manual
samples\iges	*.in ; *.plo	Command files for example problems involving IGES files
samples\ti	*.unv ; *.tdb	TRANSOR for I-deas example files
samples\tf	*.modfem	TRANSOR for Femap example files