Installation Notes for ADINA 9.7 Windows Version

- *ADINA 9.7 is available in the AVX (advanced vector extensions) version and standard non-AVX version*
- *On Windows 10, use Start→All apps instead of Start→Programs*

I.   Minimum System Requirements

- Operating system: 64-bit Windows 7 or higher
- Memory: 256 MB RAM or more
- Disk space: 500 MB for typical installation
- Optional: OpenGL 3.3 compatible graphics card with at least 1 GB memory for fast graphics mode display
- Optional: Intel Visual Fortran14 -- 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 9.7 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 9.7 (64-bit).

   Using Installation File: Run the installation file ADINA97#w64.exe (# is the minor release number 0, 1, 2, etc).

   The installation setup automatically checks whether the machine supports AVX and installs the appropriate version. 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. Setup offers three types of installations:

   - **Typical**   install the ADINA Structures, ADINA CFD/EM, ADINA Themal, ADINA FSI, ADINA TMC, ADINA User Interface (AUI) programs, online manuals, and sample problems.
   - **Compact**   install the ADINA Structures, ADINA CFD/EM, ADINA Thermal, AUI programs and sample problems.
   - **Custom**   select the components you want to install, e.g. Interface program for Femap or NX/Simcenter 3D.

3. If you select to install Transor for Femap, the setup program will ask you for the folder where Femap is installed. Please read the corresponding Section VII for additional information. If you select to install Transor for NX, please read Section VIII.

4. 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 9.7→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) 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 13.0). 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).

   Start→Programs→ADINA System 9.7→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.

```
cd <ADINA installation directory>\RLM
```

If your ADINA installation directory is the recommended default C:\ADINA97, you would enter

```
cd \ADINA97\RLM
rlm -dlog rlm.log
```

Additional help is provided through

Start→Programs→ADINA System 9.7→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 14.0 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 Femap

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

Transor is available for Femap 2020.2. Please see the manual trans4f_97.pdf installed in the Docs folder.

VIII. Transor for NX

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

Transor for NX is an interface of the ADINA System to the NX or Simcenter 3D (SC3D) software. The files are installed in
<ADINA Installation Directory>\Transor.NX.
Please see the HTML help file setup.html in the above directory for instructions on how to set up Transor for NX within the NX or SC3D environment.

IX.   Uninstall

To uninstall the ADINA System, open the Control Panel and click on Programs (or Add/Remove Programs). Select ADINA System 9.7 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	ADINA Structures program
	adinaf.exe	ADINA CFD/EM program
	adinat.exe	ADINA Thermal program
	adfsi.exe	ADINA FSI program
	adtmc.exe	ADINA TMC program
	aui.exe	ADINA User Interface (AUI) program
	adview.exe	ADINA Graph View utility program
	a*usr.dll	Dynamic link libraries (dll) for user subroutines
	other *.dll	other dlls required by ADINA programs
bin	*.exe, *.bat	Utility programs and files that work with the ADINA programs
usrdll	ovl*.f	ADINA Structures user-subroutine source files
	ovlf0u.f	ADINA CFD user-subroutine source file
	at00u.f	ADINA Thermal user-subroutine source files
License	adlic.exe	ADINA node-locked license installer
	license.dat	ADINA node-locked license file created by adlic.exe
RLM	*	RLM floating license files
Docs	*.pdf	Online pdf manuals
html	*.html	Online html help files
Samples		ADINA example files
a	*.in ; *.plo	Command files for ADINA Structures linear problems
b	*.in ; *.plo	Command files for ADINA Structures nonlinear problems
f	*.in ; *.plo	Command files for ADINA CFD/FSI problems
t	*.in ; *.plo	Command files for ADINA-T/TMC problems
primer	*.in ; *.plo	Command files for primer problems in ADINA Primer manual
iges	*.in ; *.plo	Command files for problems involving IGES files
tf	*.modfem	Transor for Femap files
schema	*.s_t	Schema files used by ADINA-M with Parasolid
occ	*	Files used by ADINA-M with Open Cascade
FGM	*	Files used by AUI in Fast Graphics Mode
Sentinel	Driver.exe	Program to install driver for using USB key license for ADINA
Femap	*	Transor for Femap program files
Transor.NX	*	Transor for NX/SC3D program, help and sample files