

## Installing TSS v12.01 on Windows XP (new installation / new license)

### *Minimum Requirements:*

#### **32-bit machines**

##### TSS:

- Exceed and Exceed 3D version 10 or higher
- Microsoft Visual C++ Redistributable (optional – see below)

##### SINDA:

- Intel Fortran v9.1 Standard Edition or higher
- Microsoft Visual C++ Express or Standard Edition
- Microsoft Platform SDK (only needed if using Visual C++ Express)

#### **64-bit machines**

##### TSS:

- Exceed and Exceed 3D version 11 or higher
- Microsoft Visual C++ Redistributable (optional – see below)

##### SINDA:

- Intel Fortran v9.1 Standard Edition or higher
- Microsoft Visual C++ Standard Edition

### *Installation:*

#### 1) Install Exceed and Exceed 3D

- After installation, enable Direct Rendering within Exceed
  - o From the Start menu (Exceed 2007), go to: Hummingbird Connectivity 2007 | Exceed Tools | XConfig | Exceed 3D and GLX, and select 'Direct Rendering'.
- Without direct rendering, the graphics will be much slower.

#### 2) Install software to run Spacedesign Sinda/Fluint (optional)

- The following should be installed before installing Intel Fortran
  - o 32-bit machines
    - Option 1 – Microsoft Visual C++ Standard Edition (or Visual Studio 2005 or higher)
    - Option 2 - Microsoft Visual C++ Express Edition (must register) and Platform SDK: follow instructions at the following link <http://msdn2.microsoft.com/en-us/vstudio/Aa700736.aspx>
  - o 64-bit machines:
    - Microsoft Visual C++ 2005 Standard Edition or better with X64 Compiler and Tools option installed (or Visual Studio 2005 or higher)
- Install Intel Fortran v9.1 or higher
  - o Be sure to choose the option to update the environment variables during installation. This option is not the default, requiring you to select a checkbox.

#### 3) Download and install TSS version 12.01 from <http://www.spacedesign.com/downloads.html>

- There is no need to uninstall v11.01 if it is already on your machine, just make sure to specify a different installation folder during the v12 installation.
- Double-click the downloaded executable
  - o You will be guided through the installation
  - o Make sure to specify a unique TSS directory when prompted (e.g. C:\Program Files\Space3D\_v12)

4) If you are using a hardware key (dongle), perform the following steps:

- Install the dongle driver (DO NOT PLUG IN DONGLE YET)
  - o If you have a USB dongle:
    - Go to the following webpage and select the appropriate HASP4 driver for your platform: <http://www.aladdin.com/support/hasp/hasp4/enduser.asp#latestDD>
  - o If you have a parallel port dongle:
    - Navigate to the Flexnet folder. Default location is **C:\Program Files\Space3D\FLEXnet Publisher 10\_8\_0**
      - Run Flexidinstaller.exe
      - During the installation, you will have to check the appropriate Flexid checkbox (8 for dongles with a FLEXid=8-xxxxxxx)
- Turn off machine, plug in dongle, then re-boot

5) Set-up the FlexLM License Manager

- Option 1 - If you are using a dongle, follow these steps:
  - o Place your license file in the C:\Program Files\Space3D\Tss\data folder
  - o Verify/set the Server name in the license file
    - Edit the license file (\*.lic)
    - Check the SERVER name on the first line and edit if necessary to match your computer name
    - Do not make any other changes to the license file
  - o From the Start Menu, go to Programs | Space3D | LM Toolkit
    - The 'Service/License File' tab should be selected
      - Verify that the 'Configuration Using Services' checkbox is checked
    - Select the 'Config Services' tab
      - Use the pull-down or enter a new service name (e.g. TSS FlexLM service)
      - Next to the Path to lmgrd.exe, click Browse...
        - o Navigate to **C:\Program Files\Space3D\FLEXnet Publisher 10\_8\_0**
        - o Highlight 'lmgrd.exe', and select OK
      - Next to the Path to the license file, click Browse...
        - o Navigate to the license file location, which should be in the C:\Program Files\Space3D\Tss\data folder
        - o Highlight the \*.lic file, and select OK
      - Select the 'use services' and 'start server at power-up' checkboxes
      - Click 'Save Service'
    - Select the 'Start/Stop/Reread' tab
    - Click 'Start Server'
    - Close LMToolkit
- Option 2 - If you are setting up a network/server license, follow these steps:
  - o Place a copy of the TSS license file on the server.
    - Verify/set the Server name in the license file
      - Edit the license file
      - Check the SERVER name on the first line and edit if necessary
    - Do not make any other changes to the license file
  - o Place copies of the license manager files on the server.

- Copy the folder C:\Program Files\Space3D\FLEXnet Publisher 10\_8\_0 from a client machine to the server.
  - Run LMTools from the FLEXNET Publisher 10\_8\_0 folder on the server
    - The 'Service/License File' tab should be selected
      - Verify that the 'Configuration Using Services' checkbox is checked
    - Select the 'Config Services' tab
      - Use the pull-down or enter a new service name (e.g. TSS FlexLM service)
      - Next to the Path to lmgrd.exe, click Browse...
        - Navigate to the folder containing lmgrd.exe and spaced.exe
        - Highlight 'lmgrd.exe', and select OK
      - Next to the Path to the license file, click Browse...
        - Navigate to the license file location
        - Highlight the \*.lic file, and select OK
      - Select the 'use services' and 'start server at power-up' checkboxes
      - Click 'Save Service'
    - Select the 'Start/Stop/Reread' tab
      - Click 'Start Server'
    - Close LMToolkit
  - Place a copy of the license file (\*.lic) on each client machine in the folder C:\Program Files\Space3D\_v12\TSS\data
    - There should only be one \*.lic file in the \data folder
    - SERVER name in license file should point to the server machine

6) Install Microsoft Visual C++ Redistributable Package (optional – use if Visual C++ is not installed)

- 32-bit download <http://www.microsoft.com/downloads/details.aspx?familyid=32BC1BEE-A3F9-4C13-9C99-220B62A191EE&displaylang=en>
- 64-bit download <http://www.microsoft.com/downloads/details.aspx?familyid=90548130-4468-4BBC-9673-D6ACABD5D13B&displaylang=en>

7) You can now run TSS v12.01 from the Start Menu. It will appear under the name of the installation folder you specified during installation (e.g. space3d\_v12).

8) Troubleshooting graphics problems – If the TSS graphics area does not display properly within applications, this may be due to the graphics card driver. You can try turning off Hardware Acceleration until the driver is updated:

- From the Start menu (Exceed 2007), go to: Hummingbird Connectivity 2007 | Exceed tools | XConfig | Exceed 3D and GLX, and un-select Hardware Acceleration.