

## **Installing TSS v12.01 on Red Hat Enterprise Linux 4 (command line applications only)**

### *Installation:*

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

- Install G95 FORTRAN

#### 2) Download and install TSS version 12.01 from <http://www.spacedesign.com/dltss12.html> .

- Download TSS V12.01 Rev D (\*.tar.gz file) and `linux_install_tss.sh`.
- Change install script mode to allow execution, like so:  

```
% chmod 755 linux_install_tss.sh
```
- Copy the install media to `tss.tar.gz`. Copying will provide a backup because the `tss.tar.gz` file will be deleted by the script.  

```
% cp tss_LINUX_NO_GRAPHICS_12_01_D_floating.tar.gz tss.tar.gz
```
- Execute and follow the install script instructions.  

```
% ./linux_install_tss.sh
```

#### 3) License manager

- Flexnet Publisher v11.4.1 files for Linux are located in the `/tss/data` folder.
- Detailed license manager instructions, including other platforms (Windows) are available at <http://www.spacedesign.com/dltss12.html> .
- Additional license manager files for other platforms are located at <http://www.spacedesign.com/licensemanager.html> .

#### 4) To run TSS

- TSS command line applications (`orbit_cl`, `radk_cl`, `anim_cl`, `heatrate_cl`) are launched directly from their TSS installation location.
- SINDA/FLUINT v4.3C can be run using the 'asta' script located in the `tss/bin/sindabin` folder.
  - o You must set the `TSSPATH` environment variable pointing to the directory where the `tss` folder resides (see `TSSPATH` usage in 'asta' script file).

#### 5) Troubleshooting

- If you are running TSS on a machine with multiple central processors (CP's), you may exceed your available number of licenses, as TSS is licensed per CP. To lock your machine to one or more CP's when running TSS, perform the following:
  - o Navigate to the folder containing the file 'launch.bat'. This file is usually located in the folder `C:\Program Files\Space3d`, but may vary depending on what location was specified during installation.
  - o Edit 'launch.bat', and add the following command to lock the TSS process to 1 CP:  

```
Set TSS_LICENSE_FORMAT=SINGLE_CPU_LOCK
```

  
(Other options are: `DUAL_CPU_LOCK` and `TRIPLE_CPU_LOCK`.)

6) For support, contact:

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