

Ansoft Designer



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Description

From the Ansoft website: **Ansoft Designer** is an integrated schematic and design management front-end for Ansoft's simulation technologies, HFSS, Q3D Extractor, and SIwave. Ansoft Designer is the foundation for a highly accurate design flow that allows users to precisely model and simulate complex analog, RF, and mixed-signal applications and perform signal-integrity analysis and system verification of high-performance IC/package/board designs. This flexible, easy-to-use software includes schematic capture and layout editing, netlist generation and sophisticated data visualization and analysis tools.

Version

- 6.0

Authorized Users

- Faculty/Students doing research

Platforms

- CIRCE cluster

Modules

Ansoft Designer requires the following module file to run:

- `apps/ansoft/designer-6.0`

- See [Modules](#) for more information.

Running Ansoft Designer on CIRCE

The Ansoft Designer user guide is essential to understanding the application and making the most of it. The guide and this page should help you to get started with your simulations. Please refer to the [Documentation](#) section for a link to the guide.

- **Note on CIRCE: Make sure to run your jobs from your \$WORK directory!**
- **Note: Scripts are provided as examples only. Your SLURM executables, tools, and options may vary from the example below. For help on submitting jobs to the queue, see our [SLURM User's Guide](#).**

Establishing a GUI connection to CIRCE

To use Ansoft Designer, you will need to connect to CIRCE with GUI redirection, either using:

- [CIRCE/SC Desktop Environment](#)
- SSH with X11 redirection
 - If connecting from OSX or Linux via SSH, please ensure that you use one of the following commands to properly redirect X11:

```
[user@localhost ~]$ ssh -X circe.rc.usf.edu
```

Once connected to CIRCE, you can open Ansoft Designer using the steps below:

1. Start an [Interactive Job](#) by typing the following:

```
srun -ntasks=4 -time=01:00:00 -pty /bin/bash
```

2. Run the following to load the Ansoft Designer module:

```
[user@login0 ~]$ module add apps/ansoft/designer-6.0
```

3. Next, run Designer itself by typing:

```
[user@login0 ~]$ designer
```

4. Two dialogue boxes will pop up. Just click OK on them after the auto update fails. The third box will ask you what directories you want to store your projects and temporary files in. You shouldn't have to change the path that the temporary files will be stored at, but you might want

to change the path where the project files will be stored. Fill that out, hit OK, and Designer will run.