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How to use EDA tools in AEON Lab / UIC / ECE Servers

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Background

The EDA software tools and licenses are hosted/facilitated by Dr.Pal. He runs a NFS server with all the tools in it. He has written scripts to easily mount the file system and call the license server. Refer to his repo to NFS mount the EDA_tools drive to your system. RHEL based systems are highly recommended. [Link to Dr.Pal's repo](#)

Environment modules - [Documentation](#)

The EDA tools are configured with `module` linux tool. The module utility is used for dynamically editing a users environment via `modulefiles` so that your `~/.bashrc` is not crowded and also your `PATH` is not bloated.

- Use `module avail` to see all available tools

```
$ module avail
------------------------------ /EDA_Tools/modules/modulefiles --------------------
cadence/innovus/21.18                     synopsys/icc/V-2023.12-SP3
cadence/jasper/jasper                     synopsys/lc/V-2023.12-SP3
cadence/virtuoso/6.18                     synopsys/prime_power/V-2023.12-SP2
siemens/calibre/2024.3_16.10              synopsys/sentaurus/V-2023.12
siemens/questa/2022.4_5                   synopsys/sentaurus/V-2024.03
synopsys/design_compiler/V-2023.12-SP2    synopsys/vcs/U-2023.03-SP2-4
synopsys/hspice/V-2023.12-SP1-1           synopsys/vcs/V-2023.12-1
synopsys/icc/T-2022.03-SP5-6


--------------------------- /usr/share/modules/modulefiles --------------------
dot  module-git  module-info  modules  null  use.own
```

```
Key:
modulepath
```

- Use `module load <name>` to load the tool's paths into your env.
- Run this command everytime you login. The PATH is not persistent. So if you login from a fresh terminal, load the module again.

```
$ module load cadence/virtuoso/6.18
# should return without any messages or errors
```

- Now you can use/invoke the tool

```
$ virtuoso -nograph
# If you want GUI, make sure you have opened a SSH connection with X flag, i.e. with
```

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