

SAD installation with command line

Environment: Linux operation system with CVS、fortran、 yacc. If not, please use your terminal to install them.

apt-get install cvs

apt-get install gfortran

apt-get install byacc

Installation steps:

1. Type the command in terminal:

```
cvs -z3 -d :pserver:anoncvs@www-acc-theory.kek.jp:/Users/cvs/SAD checkout -P oldsad
```

there would be the oldsad file in the current directory, and all the installation files will be stored in it.

2. Copy the file 'sad.conf.sample' as 'sad.conf', and save it in oldsad.

Use txt editor to open 'sad.conf' and remove the symbol '#' in front of these three lines:

```
SAD_ROOT  
USE_X11  
USE_TCLTK
```

Add two sentences in the last of 'sad.conf' file:

```
FOPT+=-DUSE_MMAP_FOR_MALLOC -DTRY_SAD_MAP_ADDR32  
COPT+=-DUSE_MMAP_FOR_MALLOC -DTRY_SAD_MAP_ADDR32
```

Install SAD to a directory that you like or create a new directory.

3. Change directory to 'oldsad', and type command in the terminal under the directory:
make depend
4. Then, type command and wait for a bit long time:
make all
5. Type command and wait to install successfully:
make install

After installation, please change to the directory you chose just now, click 'bin', there are two executive files 'gs' and 'HostArch', you may type command:

```
./gs
```

`./HostArch`

To launch the SAD software,

P.S. The 'gs' name in Linux may already be occupied by another software, here you can change the 'gs' under 'bin' to your favorite name.