

#### run\_cmdline script

- •Run a single interactive job using command line.
- •Format: run\_cmdline <full\_path\_to\_rc\_file>

```
#!/bin/sh
export TUT_COMP_ROOT=/home/elwasif/CCA/tutorial/src/sidl
export CCAFE_HOME=/home/elwasif/CCA/ccaffeine

# setup paths
SIDL_DLL_PATH="" ;DL_PATH=/home/elwasif/babel7.4/lib
for i in `grep '^\s*path' "$1" | awk '{print $3}'`; do
    DL_PATH=$DL_PATH:$i;
done
export LD_LIBRARY_PATH=$DL_PATH
export SIDL_DLL_PATH=`echo $DL_PATH | sed 's/:/;/g'`
$CCAFE_HOME/cxx/dc/user_iface/ccafe-single --ccafe-rc $1
```

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### run\_gui script

- •Run a single interactive job using the GUI
- •Format: run\_gui <full\_path\_to\_gui\_rc\_file>

```
#!/bin/sh
export TUT_COMP_ROOT=/home/elwasif/CCA/tutorial/src/sidl
export CCAFE_HOME=/home/elwasif/CCA/ccaffeine

#setup paths (same as in run_cmdline)
... ... ...
$CCAFE_HOME/cxx/dc/user_iface/ccafe-single --type server
--port 3314 --ccafe-rc $1 &
sleep 2
$CCAFE_HOME/bin/runGUI --builderPort 3314
exit 0
```



# run\_gui\_parallel script (1)

```
#!/bin/sh -f
# Format: run gui parallel <num proc> <full path to gui rc file>
# Configuration stuff
export mpirun=/usr/local/bin/mpirun
export CLASSPATH=$CCAFE HOME/java:$CLASSIC CCA ROOT/java
export gui=$CCAFE_HOME/bin/runGUI
export TUT COMP ROOT= `pwd`
export javaopts=" -Djava.compiler=NONE -classpath $CLASSPATH"
export CCAFFEINE OUT DIR=`pwd`
export procfile="/tmp/processors.$$"
export machfile="/tmp/machines.$$"
# This tells CCAFFEINE to put the frameworks output streams
# into the current directory, into files named pOutN and
\# pErrN, where N is the process number (starting from 0).
echo "Look for application output in pOut[01] and pErr[01] in
this directory"
```

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## run\_gui\_parallel script (2)



## run\_gui\_parallel script (3)

```
#Generate the setup_paths script

SIDL_DLL_PATH=""
DL_PATH=$BABEL_ROOT/lib
for i in `grep '^\s*path' "$2" | awk '{print $3}'`; do
    DL_PATH=$DL_PATH:$i;
done
export SIDL_DLL_PATH=`echo $DL_PATH | sed 's/:/;/g'`

# Store commands into setup_paths file (to be included into
# scripts at target mpi nodes)
cat > $TUT_COMP_ROOT/setup_paths << EOF
export LD_LIBRARY_PATH=$DL_PATH
export SIDL_DLL_PATH="$SIDL_DLL_PATH"
EOF
```

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# run\_gui\_parallel script (3)



#### run\_client script

#!/bin/sh

#### TUT\_COMP\_ROOT cannot be `pwd` for mpirun reasons #####

export TUT\_COMP\_ROOT=/home/elwasif/CCA/tutorial/src/sidl

• \$TUT\_COMP\_ROOT/setup\_path

**\$CCAFE HOME/cxx/dc/user iface/ccafe-client \$\*** 

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# tutorial\_rc\_gui Ccaffeine rc file

```
#!ccaffeine bootstrap file.
# ----- don't change anything ABOVE this line.----
path set /home/elwasif/CCA/tutorial/src/sidl/random-component-c++
path append /home/elwasif/CCA/tutorial/src/sidl/function-component-c++
path append /home/elwasif/CCA/tutorial/src/sidl/integrator-component-c++
path append /home/elwasif/CCA/tutorial/src/sidl/driver-component-c++
repository get randomgen.RandRandomGenerator
repository get functions.LinearFunction
repository get functions.PiFunction
repository get functions.NonlinearFunction
repository get integrators.MonteCarloIntegrator
repository get integrators.ParallelIntegrator
repository get integrators.ParallelIntegrator
repository get tutorial.Driver
```