

Usage: "build.sh" [--option1[=|space|option_value1]] [--option2[=|space|option_value2]] ...

-h|--help

Show this help screen.

-y|--yes

Automatically answer yes to all questions (accept all defined parameter values).

Default: 0|no (user is required to enter a yes/no response).

-c|--clean [=|space| "0|1|2|-3|-2|-1|yes|no" (OPTIONAL)

Only clean the already compiled build system

Default: 0|no

Example: --clean= 1 Clean the system (make clean) and exit

= 2 Completely clean the system (make distclean) and exit

=-1 During the compilation stage, clean the system (make clean)
and continue with the compilation

=-2 During the compilation stage, completely clean the system (make distclean)
and continue with the compilation

=-3 Do not clean anything but continue with the compilation

= 0 Do not clean anything (default)

-compiler|--compiler [=|space| "compiling_system" (OPTIONAL)

The compiling system to use (gnu, intel, pgi)

Default: gnu

-component|--component [=|space| "component_list" (MANDATORY)

The component(s) to use (ATMESH PAHM ADCIRC SCHISM NWM WW3DATA WW3 BARData)

Default: none

-tp|--tp|--third|--third|--thirdparty|--thirdparty [=|space| "thirdparty_list" (OPTIONAL)

The third party libraries and programs to build

ADCIRC might need the DATETIME library for its build and

SCHISM, WW3 require METIS/PARMETIS libraries for their build

If a component is ADCIRC, WW3 or SCHISM then in the THIRDPARTY environment variable
the required third party libraries will be added if they were not requested by the user

Available third party libs/progs: DATETIME PARMETIS

Default: none

-build_exec|--build_exec [=|space| "executable_list" (OPTIONAL)

The executables(s) to build (e.g. --build_exec="pdcirc pahm").

Default: none

-j|--j [=|space| "N" (OPTIONAL)

Define the number of make jobs to run simultaneously.

Default: 1

-par|--par|--parallel|--parallel [=|space| "0|1|yes|no" (OPTIONAL)

Activate the use of parallel compilers.

Default: 1|yes

-os|--os [=|space| "OS string" (OPTIONAL)

The name of the Operating system.

Supported OSes: linux macosx.

Default: current OS

-plat|--plat|--platform|--platform [=|space| "platform" (OPTIONAL)

The name of the compute HPC platform to consider.

Selecting a platform, environment modules specific to that platform are loaded
and corresponding environment variables are set.

Supported platforms: custom, linux, macosx, cheyenne, gaea, hera, jet, orion, tacc, wcross,
mistral, strand.

Default: OS (macosx, linux)

-v|--v|--verbose|--verbose [=|space| "a,b,v,i,j,m,n" (any combination, OPTIONAL)

Enable verbosity in the make files during compilation.

a (all) : all types of debugging output are enabled

n (none) : disable all debugging currently enabled

b (basic) : basic debugging and whether the build was successful or not

v (verbose) : a level above basic

i (implicit) : prints messages describing the implicit rule searches for each target

j (jobs) : prints messages giving details on the invocation of specific sub-commands

m (makefile) : enables messages while rebuilding makefiles

Default: none