CGNS Testing Specifications by The HDF Group

The HDF group’s systems testing protocols for CGNS; details the testing coverage for CGNS.

# Compiler Coverage

Linux/Apple:

* GNU (4 series and 5 series)
* PGI
* Sun
* IBM XL
* Intel
* Mpich 3.2 (built with GNU 5 series compilers)

Windows:

* Intel

# Configuration coverage

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Linux/Apple | #1 | #2 | Test  #3 | #4 | #5 | #6 |
| --with-fortran | x | x |  | x | x | x |
| --enable-parallel |  |  |  |  | x | x |
| --with-hdf5 |  |  | x | x | x | x |
| --enable-64bit | x |  | x |  | x |  |
| --enable-legacy | x |  | x |  |  | x |
| --enable-lfs | x |  | x | x | x |  |
| --enable-debug | x | x | x |  | x |  |

Options always specified (can be changed later):

* --disable-cgnstools --disable-x --disable-shared

|  |  |  |  |
| --- | --- | --- | --- |
| Windows | #1 | #2 | #5 |
| CGNS\_ENABLE\_FORTRAN:BOOL=ON | x | x |  |
| CGNS\_ENABLE\_HDF5:BOOL=ON |  |  | x |
| CGNS\_ENABLE\_64BIT:BOOL=ON | x |  | x |
| CGNS\_ENABLE\_LFS:BOOL=ON |  | x | x |

Options always specified (can be changed later):

* -D CGNS\_BUILD\_CGNSTOOLS:BOOL=OFF -D CGNS\_ENABLE\_TESTS:BOOL=ON

# Additional compiler flags

Fortran (none) – Should add default 8 byte Integers and 8 byte Reals in the future.

C (none)