

# HDF Knowledge Base

## HDF Knowledge Base

How can we help you?

### Popular Articles

1. What is HDF5
2. Questions about thread-safety and concurrent access
3. OpenMPI Build Issues
4. How do I build HDF5 from source
5. How can I read/write a dataset greater than 2GB?

### All Topics

access api ascii attributes binaries bug build c++ chunking close cmake compile compound-datatypes compression concurrent convert corruption cross-compilation database datasets dataspaces datatypes error-handling exception **faq** file-drivers fileformat fill-values filters fortran general\_info growth h5c++ h5cc h5fc h5repack hdf4 **hdf5** hdfview how-to identifier images java **kb-article** kb-troubleshooting-article links linux memory memory-management metadata-cache mpi object objects open openmpi **parallel** performance pgi property report szip testing threadsafety tools troubleshooting unicode unsupported vector versioning windows

### Popular Topics

#### General HDF Group

- How do I properly cite HDF5 in a paper
- What is HDF5
- Where can I find Copyright Information?
- Is there an Export Control Classification Number (ECCN) for your software
- Is there an HDF Blog?

[View all articles](#)

#### General HDF5

- How do I build HDF5 from source
- How do I properly cite HDF5 in a paper

- What is HDF5
- How is HDF5 different than HDF4
- Questions about thread-safety and concurrent access

[View all articles](#)

## **Parallel HDF5**

- What is the best way to write metadata for each process?
- What happens if a process crashes when writing data in parallel?
- The parallel tests fail on a login node
- How to write and NOT to write compound datasets using F90 in Parallel HDF5
- Tuning HDF5 for Lustre File Systems

[View all articles](#)

## **HDF5 Performance**

- Memory not released after call to H5Fclose
- Things that can affect performance
- Are there performance metrics for working with HDF5 files?
- Information on the metadata cache
- Are there ways to improve performance when accessing a file that has many groups and many attributes?

[View all articles](#)