

HDF5 Application Developer's Guide

Release Information

Release [Specification Information](#) contains details about new features and software changes in each release.

General Topics in HDF5

Topics that are broadly applicable in HDF5 applications are found under [General Topics in HDF5](#):

Chunking in HDF5	Detailed information regarding chunking in HDF5
Using Compression in HDF5	Resources regarding compression
Improving I/O Performance When Working with HDF5 Compressed Datasets	A description of the factors that should be considered when storing compressed data in HDF5 files and how to tune those parameters to optimize the I/O performance of an HDF5 application when working with compressed datasets (<i>PDF</i>)
Parallel HDF5	Information on Parallel HDF5
Fill Value and Space Allocation Behavior	A table summarizing of the behavioral interactions of HDF5 fill value and storage allocation settings
H5Fill Behavior	The library's fill value behavior for property list settings
SZIP Compression in HDF5	A description of SZIP compression in HDF5, <code>H5Pset_szip</code> , terms of use and copyright notice, and references
HDF5 Library Release Versions Numbers	A description of HDF5 library release version numbering
Using Identifiers	Description of how identifiers work
UTF-8 encoding in HDF5 applications	Information on using UTF-8 encoding in HDF5 applications

Advanced Topics in HDF5

More advanced topics are discussed under [Advanced Topics in HDF5](#), including [dynamic plugins](#) and [Virtual Datasets](#).