

General Topics in HDF5

The following topics are broadly applicable in HDF5 applications. See [Design Specifications](#) for information on how to store objects such as images and dimension scales.

| Topic | Description |
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| 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 |