

Core Library

The main HDF5 library includes low-level APIs to provide user applications with fine-grained control of HDF5 functionality.

- [Attributes](#) — Creating and manipulating HDF5 attributes (H5A)
- [Datasets](#) — Creating and manipulating scientific datasets (H5D)
- [Daspaces](#) — Creating and manipulating daspases in which to store elements of a dataset (H5S)
- [Datatypes](#) — Creating and manipulating datatypes which describe elements of a dataset (H5T)
- [Error Handling](#) — Functions for handling errors that occur within HDF5 (H5E)
- [Files](#) — Creating and manipulating HDF5 files (H5F)
- [Filters](#) — Configuring filters that process data during I/O operation (H5Z)
- [Groups](#) — Creating and manipulating groups of objects inside an HDF5 file (H5G)
- [Identifiers](#) — Manipulating object identifiers and object names (H5I)
- [Library](#) — General purpose library functions (H5)
- [Links](#) — Creating and manipulating links within an HDF5 group (H5L)
- [Objects](#) — Manipulating objects in an HDF5 file (H5O)
- [Plugins](#) — Programmatically controlling dynamically loaded plugins (H5PL)
- [Property Lists](#) — Creating and manipulating property lists to control HDF5 library behavior (H5P)
- [References](#) — Creating and manipulating references to specific objects and data regions in an HDF5 file (H5R)
- [Virtual Object Layer](#) — Using the Virtual Object Layer (H5VL)