

## Summary of Software Using HDF5 by Name (April 2016)

Name (with Product URL)	Application Type	Open Source / Commercial	Platforms	Languages	Short Description
<a href="http://www">ActivePapers (http://www</a>	General Problem Solving	Open Source			File format for storing computations.
<a href="#">Adaptive Entropy Encoding</a>	Special Purpose	Open Source			Freely available SZIP implementation available from the German Climate Computing Center
<a href="#">ADIOS</a>	Special Purpose	Open Source			IO componentization of different IO transport methods
<a href="#">Adxy</a>	Visualization/Analysis	Open Source	Linux, Mac, Wind		Software for the display and analysis of X-Ray diffraction images
<a href="#">Alembic</a>	Visualization	Open Source			Computer graphics interchange framework
<a href="#">Amelet-HDF</a>	Special Purpose	Open Source			API to provide standard for working with electromagnetic data

<a href="#">Bathymetric Attributed Grid Data Format</a>	Special Purpose	Open Source	Linux, Win32		File format for storing bathymetric data
<a href="#">BEAM</a>	Special Purpose	Open Source			Basic ENVISAT Toolbox for (A)ATSR and MERIS data
<a href="#">Bear</a>	Special Purpose	Open Source			Bers slices and holomy representations
<a href="#">BEAT</a>	Visualization/Analysis	Open Source	Unix, Windows, Mac		Toolkit for working w/atmospheric data
<a href="#">Cactus</a>	General Problem Solving				Problem solving environment
<a href="#">Ceemple</a>	Special Purpose	Commercial		C++	Rapid C++ technical computing environment, with built-in HDF support
<a href="#">CGNS</a>	Special Purpose	Open Source			Software for working with CFD Analysis data
<a href="#">Chombo</a>	Special Purpose	Open Source			Tools for working with partial differential equations

<a href="#">CSP</a>	Format Conversion	Open Source			Command-line tool to convert/plot a Perkin Elmer sp3 spectra file into HDF5
<a href="#">Data Visualizer for O-Matrix</a>	Visualization/Analysis	Commercial	Windows		O-Matrix command-line interface that works with Intel Array Visualizer
<a href="#">Dawn</a>	Visualization/Analysis	Open Source		Python	Visualization and Analysis platform for synchrotron data
<a href="#">Derby</a>	Special Purpose	Open Source			Data browser for exploring product types from GCM
<a href="#">DIAdem (HDF5 DataPlugin)</a>	Sci Data Mgmt	Commercial			Helps engineers and scientists to quickly locate, inspect, analyze, and report on measurement data
<a href="#">DREAM.3D</a>	Visualization/Analysis	Open Source			A software environment for analyzing digital microstructure dataA
<a href="#">dxhdf5</a>	Format Conversion	Open Source			Import HDF5 data into Open DX
<a href="#">EnSight</a>	Visualization/Analysis	Commercial	Many		Tools for engineering and scientific simulation

<a href="#">Fiberbundle HDF5 (F5)</a>	Visualization/Analysis	Open Source		C	I/O library that implements a common data model for scientific visualization
<a href="#">Field3D</a>	Visualization	Open Source	Linux, Mac	C++	Library/format for storing voxel data
<a href="#">FLASH</a>	Special Purpose	Open Source			Code for simulation of thermonuclear flashes
<a href="#">Galacticus</a>	Special Purpose	Open Source			A semi-analytic model of galaxy formation
<a href="#">Geomatica</a>	Visualization/Analysis	Commercial			Integrated software system for remote sensing and image processing
<a href="#">Globe Claritas</a>	Special Purpose	Commercial	Linux, Windows, Solaris		Seismic processing software (geophysics)
<a href="#">GNU Octave</a>	Visualization/Analysis	Open Source			MATLAB-like tool
GriKSL	General Problem Solving	Open Source			Develop grid-based simulation and viz techniques for CACTUS

<a href="#">h5check</a>	HDF Tools	Open Source	Linux, Solaris		A tool to check the validity of an HDF5 file
<a href="#">h5edit</a>	General Problem Solving	Open Source	Linux, Windows		Command-line tool to edit HDF5 files. Currently limited to operations on attributes
<a href="#">H5hut</a>	Special Purpose	Open Source	Many	C, C++, Fortran	High performance I/O library for particle based simulations.
<a href="#">h5labview</a>	Instrumentation	Open Source			Interface between NI LabVIEW and HDF5
<a href="#">H5MD</a>	API for HDF5	Open Source			File format specification for efficient and portable storage of molecular data
<a href="#">h5py</a>	API for HDF5	Open Source	Linux, Mac, Windows	Python	Python interface to HDF5
<a href="#">H5utils</a>	Format Conversion	Open Source			Conversion and Visualization tools for HDF5
H5WS API	Remote Access	Open Source	Linux	C	API that allows remote HDF5 data access using Web Services.

<a href="#">HDF Compass</a>	Visualization	Open Source			A visual tool to navigate HDF5 files
<a href="#">HDF Explorer</a>	Browser/Editor	Commercial	Windows		Data Visualization program for HDF and HDF5
<a href="#">HDF Java Products</a>	API for HDF5	Open Source	Many	Java	Java API for HDF and HDF5 and HDFView tool
<a href="#">HDF Server</a>	Remote Access	Open Source			Python-based web service to send/receive HDF5 data using HTTP-based REST interface
<a href="#">HDF4 to HDF5 Conversion Library</a>	Format Conversion	Open Source	Linux, Solaris		Library and tools to convert HDF4 files to HDF5 files
<a href="#">HDF5 and .NET</a>	API for HDF5	Open Source			P/Invoke declarations for core HDF5 C-API
<a href="#">HDF5 bindings for Delphi</a>	API for HDF5	Open Source			Delphi module with HDF5 bindings
<a href="#">HDF5 High Level APIs</a>	API for HDF5	Open Source		C, Fortran	High Level APIs that come with HDF5 to simplify code and provide standards

<a href="#">HDF5 Indexing Prototype</a>	API for fast querying in HDF5	Open Source			Prototype for storing bitmap and projection indices in HDF5
<a href="#">HDF5 Mesh API</a>	Sci Data Mgmt	Open Source		C	Prototype for storing structured and unstructured grids in HDF5
<a href="#">HDF5 Plugin for ImageJ and</a>	Special Purpose	Open Source			Java plugin for ImageJ and Fij image processing package
<a href="#">HDF5 Utilities</a>	HDF Tools	Open Source	All		Utilities that come with HDF5 for analyzing and converting HDF5 files and compiling HDF5 applications
<a href="#">HDF5 XML</a>	Format Conversion	Open Source			An HDF5 DTD and tool
<a href="#">HDF5-FastQuery</a>	API for fast querying in HDF5				APIs to extend HDF5 selection and accelerate queries
<a href="#">hdf5read</a>	General Problem Solving	Open Source		Fortran 90	Module to read selected datasets and attributes from HDF5/HDF-EOS data files
<a href="#">HDF-EOS</a>	Special Purpose	Open Source			Software for working with remote-sensed data from Earth Observing System

<a href="#">HDFView</a>	Browser/Editor	Open Source	Many		Java-based tool for viewing and editing HDF and HDF5 files
<a href="#">HL-HDF</a>	Sci Data Mgmt	Open Source		C, Python	C & Python high level library for scientific data in HDF5
<a href="#">HydroVISH</a>	Visualization/Analysis	Commercial	Linux, Mac, Windows	C++	Visualization framework built on top of Vish for lidar and multisensor mass data
<a href="#">IDL</a>	Visualization/Analysis	Commercial	Many	IDL	Visualize and analyze HDF data with IDL. Query, read HDF files.
<a href="#">Igor Pro</a>	Visualization/Analysis	Commercial	Windows, Mac	C, Igor	Visualize/analyze 1D, 2D, 3D data
<a href="#">Intel Array Visualizer</a>	Visualization/Analysis	Commercial	Windows		Windows app to read, write, display array data from HDF4, HDF5, others
<a href="#">ITK</a>	Special Purpose	Open Source	Many	Many	Toolkit for performing registration and segmentation of medical images
<a href="#">JHDF5</a>	API for HDF5	Open Source		Java	High Level Java API for HDF5



<a href="#">LIBGPV</a>	Special Purpose	Open Source			Library for (Digital) Particle Image Velocimetry Technique
<a href="#">lvhdf5</a>	API for HDF5	Open Source			HDF5 API for Labview
<a href="#">Mathematica</a>	Visualization/Analysis	Commercial			Environment for technical tasks ranging from computations to visualizing or modeling data
<a href="#">MATLAB</a>	Visualization/Analysis	Commercial	Many		Numeric computation, advanced graphics and visualization. Query, read HDF files
<a href="#">MDSplus</a>	Management and Access	Open Source			Tools for data acquisition and storage; methodology for management of complex scientific data
<a href="#">MED</a>	Special Purpose	Open Source			Standard for storing and recovering data associated with numerical meshes and fields.
<a href="#">MeteoInfo</a>	Visualization/Analysis	Open Source		C#	Software to view and analyze meteorological and spatial data interactively
<a href="#">Million Song Dataset</a>	Special Purpose	Open Source			Collection of audio features and metadata for a million contemporary music tracks

<a href="#">Mirador</a>	Management and Access				Earth Science Data Search Tool
<a href="#">MOAB</a>	Special Purpose	Open Source	Linux/Unix	C++	Component for representing and evaluating mesh data
<a href="#">Mosaik</a>	Special Purpose			Python	A flexible smart grid co-simulation framework
<a href="#">MultiSpec</a>	Visualization/Analysis	Open Source			Remote sensing analysis application for multispectral and hyperspectral data
<a href="#">MXA</a>	API for HDF5	Open Source			File format and API for managing data from scientific experiments using XML
<a href="#">mz5</a>	Special Purpose	Open Source			Space- and time-efficient storage of mass spectrometry data sets
<a href="#">NCL (NCAR Command Language)</a>	Visualization/Analysis	Open Source			Interpreted language for sci data analysis and visualization
<a href="#">NetCDF-4</a>	API for HDF5	Open Source	Many	Fortran, C++, Java	Set of interfaces for array-oriented data access

<a href="#">NeuroHDF</a>	Special Purpose	Open Source			Software to manage neuroscience data
<a href="#">NeXus</a>	API for HDF5	Open Source			Common data format for neutron, x-ray and muon science
<a href="#">NI-HWS</a>	Instrumentation	Commercial			Uses limited subset of HDF5 for storage and retrieval of waveforms and attributes
<a href="#">O-Matrix</a>	Visualization/Analysis	Commercial			Interpreted matrix language for data analysis and visualization
<a href="#">OpenCV</a>	Visualization/Analysis	Open Source			Computer vision and machine learning software library
<a href="#">OPeNDAP</a>	Management and Access	N/A			Software framework for remote scientific data transfer and access
<a href="#">Opticks</a>	Visualization/Analysis	Open Source			Expandable remote sensing and imagery analysis platform
<a href="#">OpticsBenchUI</a>	Special Purpose	Open Source	Linux	C, Fortran	Demo of integrated solution to manage a simple optics bench of cameras, motors and DACs

<a href="#">OSSIM</a>	Visualization	Open Source			Open Source Software Image Map library for geospatial image processing
<a href="#">PAM-CRASH</a>	Special Purpose	Commercial	Unix, Linux, Windows	C, Fortran	ESI's open HDF5 database format to store results of FEM-based simulations
<a href="http://pandas.pydata.org/">pandas (http://pandas.pydata.org/)</a>	API for HDF5	Open Source			Python Data Analysis Library
<a href="#">Paramesh</a>	Special Purpose	Open Source			Fortran subroutines to extend serial AMR code to parallel
<a href="#">ParaView</a>	Visualization/Analysis	Open Source			Visualize large data sets in serial or parallel environments, using VTK
<a href="#">pconvert</a>	Special Purpose	Open Source			Command-line tool to convert BEAM and ENVISAT products to HDF5
<a href="#">PhDC4D</a>	Special Purpose	Commercial			Software for maintenance management of ships, offshore structures and static equipment
<a href="#">Pomegranate</a>	Management and Access	Open Source	Independent	Python	Web service software, web API, library and command line tool

<a href="#">PSH5X</a>	General Problem Solving	Open Source	Windows		Windows powershell module for HDF5
<a href="#">PV-WAVE</a>	Visualization/Analysis	Commercial	Many	PV-WAVE	Visualization and Analysis language and environment
<a href="#">PyHexad</a>	General Problem Solving	Open Source			Python-based Excel add-in for HDF5
<a href="#">pyqt-h5browser</a>	Browser/Editor	Open Source			HDF5 Python browser
<a href="#">pyrat</a>	Special Purpose	Open Source		Python	Simplifies handling of large multi-frequency radio interferometric visibility datasets and images
<a href="#">PyTables</a>	Database	Open Source		Python	Python API to organize and manipulate scientific data tables and other numeric objects
<a href="#">Q5Cost</a>	Special Purpose			Fortran	Library and interface used in Quantum Chemistry
<a href="#">R</a>	Statistics, Graphics	Open Source		R	System for statistical computation and graphics, has HDF5 interface

<a href="#">RAMS</a>	Special Purpose	Open Source			Atmospheric Modeling System
<a href="#">RESQML</a>	Special Purpose	Open Source			Exchange standard for subsurface data
<a href="#">Rybo Geo Data</a>	Special Purpose				Processing of Airborne Geophysical Data
<a href="#">Salome</a>	General Problem Solving	Open Source			A journaling filesystem driver for HDF5 based on SEC2 driver
<a href="#">Salome</a>	Special Purpose	Open Source	Linux		CAD/CAE integration and development platform
<a href="#">Scilab</a>	Special Purpose	Open Source			Scientific software package for numerical computations
<a href="#">SCILS Lab</a>	Visualization/Analysis	Commercial			Software for statistical analysis of MALDI imaging data
<a href="#">SeisHDF plug-in</a>	Special Purpose	Commercial			Plug-in for Petrel 2013 for exporting to and importing from HDF5 files.

<a href="#">Silo</a>	Special Purpose	Open Source		C, C++	A mesh and field I/O library and scientific database
<a href="#">SLh5</a>	Visualization/Analysis	Open Source		S-Lang	Open source HDF5 module for S-Lang
<a href="#">SPDLib</a>	API for HDF5	Open Source			Software for processing laser scanning data (i.e., LiDAR)
<a href="#">STAR-CCM+</a>	Special Purpose	Commercial			CFD software
<a href="#">Swarm</a>	Special Purpose	Open Source			Simulator for fine-grained, composable scheduling
SWX	Special Purpose	Open Source			Space Weather Explorer to visualize space weather model output in 3D
<a href="#">SYSTEMA / THERMICA</a>	Visualization/Analysis	Commercial	Linux, Solaris, Windows		Spacecraft modeler and thermal analyser
<a href="#">Tecplot</a>	Visualization	Commercial	Many		Interactive visualization program

<a href="#">THESEUS-FE</a>	Special Purpose	Commercial	Linux, Windows		Simulation software based on Finite-Element solver methodology for handling thermal radiation
<a href="#">TPC5</a>	Special Purpose	Commercial			HDF5-based format for multi-channel data acquisition
<a href="#">Veusz</a>	Visualization/Analysis	Open Source	Many		Scientific plotting and graphing package to provide publication-ready output and edit/view data.
<a href="#">VisAD</a>	Visualization/Analysis	Open Source		Java	Java toolkit for interactive and collaborative viz and analysis
<a href="#">Vish</a>	Visualization/Analysis	Open Source	Linux, Mac, Windows		Flexible software environment for processing and visualizing spatio-temporal data (uses F5)
<a href="#">VisIt</a>	Visualization/Analysis	Open Source			Tool for visualizing fields in 2D and 3D meshes
<a href="#">ViTables</a>	Browser/Editor	Open Source	Many		PyTables and HDF5 file viewer and editor
<a href="#">VSIM</a>	Special Purpose	Commercial	Many	C++, GUI	PIC (particle-in-cell) simulation tool to run plasma, electromagnetic and electrostatic problems



<a href="#">WaveCut</a>	Special Purpose	Commercial	Linux,Windows		Application with GUI for analyzing large amounts of signal waveform data
<a href="#">XDMF</a>	Special Purpose	Open Source		Many	Data format and library using XML and HDF5 in High Performance Computing
<a href="#">Yorick</a>	Visualization/Analysis	Open Source	Many	Yorick	Interpreted programming language
<a href="#">Zori</a>	Special Purpose	Open Source			Calculate properties of atoms/molecules using quantum Monte Carlo methods