

## Summary of Software Using HDF5 by Name (December 2017)

Name (with Product URL)	Application Type	Open Source / Commercial	Platforms	Languages	Short Description
<a href="http://www.activepapers.org">ActivePapers</a> ( <a href="http://www.activepapers.org">http://www.activepapers.org</a> )	General Problem Solving	Open Source			File format for storing computations.
<a href="#">Adaptive Entropy Encoding Library</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, Windows		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="#">Damaris</a>	Visualization/Analysis	Open Source		C++, Fortran	Middleware for in-situ data analysis and visualization in support of HPC simulations
<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="#">G4Linac MT</a>	Special Purpose	Open Source		C++	A Geant4 application to model a Medical Linear Accelerator, used in Radiotherapy to treat cancer diseases by employing
<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
HDF5 Indexing Prototype	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 Fiji</a>	Special Purpose	Open Source			Java plugin for ImageJ and Fiji 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="#">HDFq</a>	High-level language for HDF5 (similar to SQL)	Open Source	Windows, Linux and Mac OS X	C, C++, Java, Python, C#, Fortran	Tool to manage HDF5 files. Reads and writes HDF data through a simple and clean interface.
<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="#">LIBGPIV</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</a> ( <a href="http://pandas.pydata.org/">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