

HDFView 3.1

Release Information

Version	HDFView 3.1
Release Date	2019-03-18
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Release Notes	Release Notes
Newsletter	Release Announcement

Files

See the [HDFView download](#) page for HDFView binaries built for Linux, Mac OS X, and Windows.

HDFView source code can be obtained here:

File	Operating System	Comment
hdfview-3.1.0.tar.gz	Source release	Gzipped source tarball. Build Instructions
hdfview-3.1.0.zip	Source release	Windows zip file. Build Instructions

Release Notes

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The current HDFView products can be downloaded at:  
https://www.hdfgroup.org/downloads/hdfview/
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HDF Libraries

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This release was built and tested with HDF 4.2.x and HDF5 1.10.x.
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Windows ONLY: HDFView was built with VS 2015, and it requires that  
the Visual C++ Redistributable Packages be installed on your machine.  
If you cannot access HDF5 files then you do not have these packages.  
You can obtain them from:
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https://www.microsoft.com/en-us/download/details.aspx?id=48145
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JDK

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This release was built and tested with OpenJDK 11.
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Major Enhancements

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* Significantly reworked the TableView's DataProvider, DataValidator and
 DataDisplayConverter code in order to reduce code duplication among the
 different components and steps of retrieving HDF4 and HDF5 data and
 converting it into a displayable format for a table. Also improved
 support for displaying Arrays of Compounds due to the refactoring work.

* Reworked the datatype class structure as well as the overall object and
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view class structure.

- \* Added a field under the "General Object Info" Metadata view tab to display link creation order for groups. Also added a field under the "Object Attribute Info" tab to display attribute creation order info.
- \* Added build code to allow building HDFView without HDF4.
- \* Added support for building on PPC64LE systems with GTK+-3.0.

#### Major Bug Fixes

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- \* Resolved a performance issue with scrolling and resizing of large images.
- \* Fixed a bug with fill values for unsigned integer type HDF5 datasets.
- \* Fixed a bug with 'paging' through the 3rd dimension of String and Compound type datasets.
- \* Fixed a bug with displaying HDF4 String (8-bit integer) attributes.
- \* Added check for existence of Image attributes using H5Aexists\_by\_name to prevent various HDF5 error stacks from appearing when clicking on an image.
- \* Fixed an issue with the Object library package depending on the View package, as reported on the HDF Group forum.
- \* Fixed a bug with transposing/reshaping data for array datatype datasets.

#### Limitations / Known Problems

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- \* HDFView currently cannot nicely handle large datasets when using the default display mode, as the data is loaded in its entirety. To view large datasets, it is recommended to right click on a data object and use the "Open As" menu item, where a subset of data to view can be selected.
- \* Writing of variable-length types other than variable-length strings is currently unsupported.
- \* Object/region references can't be opened by a double-click or by right-clicking and choosing "Show As Table/Image" when inside a compound datatype.
- \* If a file is opened in read-only mode, right-clicking on a dataset in in the tree view and choosing any of the options under the "Export Dataset" menu item will fail with a message of 'Unable to export dataset: Unable to open file'. The current workaround is to re-open the file in read/write mode.
- \* The 'Recent Files' button does not work on Mac due to a cross-platform issue with SWT.
- \* Selecting and changing individual points in PaletteView for an image palette is broken.

Other Notes

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