

HDF5 Command-line Utilities

Contents

Copyright, License, and Acknowledgments.....5
Using h5dump.....7
Glossary.....9

Copyright, License, and Acknowledgments

Copyright Notice and License Terms for HDF5 (Hierarchical Data Format 5) Software Library and Utilities

HDF5 (Hierarchical Data Format 5) Software Library and Utilities
Copyright 2006-2009 by The HDF Group.

NCSA HDF5 (Hierarchical Data Format 5) Software Library and Utilities
Copyright 1998-2006 by the Board of Trustees of the University of Illinois.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted for any purpose (including commercial purposes) provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the following disclaimer in the documentation and/or materials provided with the distribution.
3. In addition, redistributions of modified forms of the source or binary code must carry prominent notices stating that the original code was changed and the date of the change.
4. All publications or advertising materials mentioning features or use of this software are asked, but not required, to acknowledge that it was developed by The HDF Group and by the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign and credit the contributors.
5. Neither the name of The HDF Group, the name of the University, nor the name of any Contributor may be used to endorse or promote products derived from this software without specific prior written permission from The HDF Group, the University, or the Contributor, respectively.

DISCLAIMER: THIS SOFTWARE IS PROVIDED BY THE HDF GROUP AND THE CONTRIBUTORS "AS IS" WITH NO WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED. In no event shall The HDF Group or the Contributors be liable for any damages suffered by the users arising out of the use of this software, even if advised of the possibility of such damage.

Contributors and Acknowledgment

Contributors: National Center for Supercomputing Applications (NCSA) at the University of Illinois, Fortner Software, Unidata Program Center (netCDF), The Independent JPEG Group (JPEG), Jean-loup Gailly and Mark Adler (gzip), and Digital Equipment Corporation (DEC).

Acknowledgment: Portions of HDF5 were developed with support from the University of California, Lawrence Livermore National Laboratory (UC LLNL). The following statement applies to those portions of the product and must be retained in any redistribution of source code, binaries, documentation, and/or accompanying materials:

This work was partially produced at the University of California, Lawrence Livermore National Laboratory (UC LLNL) under contract no. W-7405-ENG-48 (Contract 48) between the U.S. Department of Energy (DOE) and The Regents of the University of California (University) for the operation of UC LLNL.

DISCLAIMER: This work was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States

Government nor the University of California nor any of their employees, makes any warranty, express or implied, or assumes any liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately- owned rights. Reference herein to any specific commercial products, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or the University of California, and shall not be used for advertising or product endorsement purposes.

Using h5dump

Using h5dump (concept topic)

Syntax

```
h5dump OPTIONS file
```

Discussion

h5dump enables the user to examine the contents of an HDF5 file. h5dump can present information in human-readable form, in XML, or in a binary format.

The contents of one or more specified objects can be printed in human-readable form to standard output (also called `stdout`); for example, the data may be displayed on a computer screen. Alternatively, the data may be written to an ASCII, XML, or binary file for examination or manipulation with other tools.

Options

h5dump offers a wide array of options, many of which can be used in combination.

| Option | Short Form | Description |
|---------------|------------|---|
| --help | -h | Print help message and exit. |
| --version | -V | Print version number and exit. |
| --contents | -n | Print list of file contents and exit. |
| --bootblock | -B | Print the contents of the boot block. Then, to make this a more substantial cell, another random sentence, |
| --header | -H | Print the header only; no data is displayed. |
| --onlyattr | -A | Print the header and value of attributes; data of datasets is not displayed. |
| --object-ids | -i | Print the object identifiers. |
| --string | -r | Print 1-byte integer datasets as ASCII. |
| --escape | -e | Escape non-printing characters. |
| --attribute=P | -a P | Print the specified attribute. |
| --dataset=P | -d P | Print the specified dataset. |
| --noindex | -y | Do not print array indices with data. |
| | | << 20 more options to insert >> |
| -- | | Indicates that the following argument is not an option. E.g., to dump a file called <code>-f</code> , use <code>h5dump -- -f</code> . (Required only when name of file to be examined starts with |

| Option | Short Form | Description |
|----------------|------------|--|
| | | a dash (–), which could confuse the tool’s command-line parser.) |
| file | | Names the file to be examined. |
| ooo_spacer_ooo | | |

Related Topics

Glossary

