

API compatibility report for the [hdf5](#) library between **1.10.1** and **1.10.2** versions on [x86_64](#)

Binary Compatibility Source Compatibility

Test Info

Library Name	hdf5
Version #1	1.10.1
Version #2	1.10.2
CPU Type	x86_64
GCC Version	4.8.5
Subject	Binary Compatibility

Test Results

Total Header Files	79
Total Shared Libraries	15
Total Symbols / Types	1985 / 587
Verdict	Incompatible (7.8%)

Problem Summary

	Severity	Count
Added Symbols	-	61
Removed Symbols	High	6
Problems with Data Types	High	9
	Medium	0
	Low	3
Problems with Symbols	High	2
	Medium	0
	Low	9
Problems with Constants	Low	3

Other Changes in Data Types	-	3
Other Changes in Constants	-	5

Added Symbols (61)

H5CompType.h, [libhdf5_cpp.so.102.0.0](#)

namespace H5

CompType::decode () const

H5DataType.h, [libhdf5_cpp.so.102.0.0](#)

namespace H5

DataType::decode () const

DataType::detectClass (PredType const& *pred_type*, H5T_class_t *cls*) [static]

DataType::encode ()

DataType::hasBinaryDesc () const

DataType::p_decode () const

H5DOPublic.h, [libhdf5_hl.so.100.1.0](#)

H5DORead_chunk (hid_t *dset_id*, hid_t *dxpl_id*, hsize_t const* *offset*, uint32_t* *filters*, void* *buf*)

H5Dpublic.h, [libhdf5.so.101.1.0](#)

H5Dget_chunk_storage_size (hid_t *dset_id*, hsize_t const* *offset*, hsize_t* *chunk_bytes*)

H5EnumType.h, [libhdf5_cpp.so.102.0.0](#)

namespace H5

EnumType::decode () const

H5Epubgen.h, [libhdf5.so.101.1.0](#)

H5E_CANTGATHER_g [data]

H5E_NO_INDEPENDENT_g [data]

H5FDpublic.h, [libhdf5.so.101.1.0](#)

H5FDdriver_query (hid_t *driver_id*, unsigned long* *flags*)

H5FloatType.h, [libhdf5_cpp.so.102.0.0](#)

namespace H5

FloatType::decode () const

H5Fpublic.h, [libhdf5.so.101.1.0](#)

H5Fget_eoa (hid_t *file_id*, haddr_t* *eoas*)

H5Fincrement_filesize (hid_t *file_id*, hsize_t *increment*)

H5Fset_libver_bounds (hid_t *file_id*, H5F_libver_t *low*, H5F_libver_t *high*)

H5IntType.h, [libhdf5_cpp.so.102.0.0](#)

namespace H5

IntType::decode () const

H5LcreatProp.h, libhdf5_cpp.so.102.0.0

namespace H5

LinkCreatPropList::DEFAULT [data]

LinkCreatPropList::deleteConstants () [static]

LinkCreatPropList::fromClass () const

LinkCreatPropList::getCharEncoding () const

LinkCreatPropList::LinkCreatPropList [in-charge] ()

LinkCreatPropList::LinkCreatPropList [in-charge] (LinkCreatPropList const& *original*)

LinkCreatPropList::LinkCreatPropList [in-charge] (hid_t const *plist_id*)

LinkCreatPropList::LinkCreatPropList [not-in-charge] ()

LinkCreatPropList::LinkCreatPropList [not-in-charge] (LinkCreatPropList const& *original*)

LinkCreatPropList::LinkCreatPropList [not-in-charge] (hid_t const *plist_id*)

LinkCreatPropList::setCharEncoding (H5T_cset_t *encoding*) const

LinkCreatPropList::~LinkCreatPropList [in-charge-deleting] ()

LinkCreatPropList::~LinkCreatPropList [in-charge] ()

LinkCreatPropList::~LinkCreatPropList [not-in-charge] ()

H5Location.h, libhdf5_cpp.so.102.0.0

namespace H5

H5Location::copyLink (char const* *src_name*, char const* *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) const

H5Location::copyLink (char const* *src_name*, Group const& *dst*, char const* *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) const

H5Location::copyLink (std::string const& *src_name*, Group const& *dst*, std::string const& *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) const

H5Location::copyLink (std::string const& *src_name*, std::string const& *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) const

H5Location::createGroup (char const* *name*, LinkCreatPropList const& *lcpl*) const

H5Location::createGroup (std::string const& *name*, LinkCreatPropList const& *lcpl*) const

H5Location::getLinkInfo (char const* *link_name*, LinkAccPropList const& *lapl*) const

H5Location::getLinkInfo (std::string const& *link_name*, LinkAccPropList const& *lapl*) const

H5Location::getNumObjs () const

H5Location::link (char const* *curr_name*, Group const& *new_loc*, char const* *new_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) const

H5Location::link (char const* *curr_name*, hid_t const *same_loc*, char const* *new_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) const

H5Location::link (char const* *target_name*, char const* *link_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) const

H5Location::link (std::string const& *curr_name*, Group const& *new_loc*, std::string const& *new_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**
H5Location::link (std::string const& *curr_name*, hid_t const *same_loc*, std::string const& *new_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**
H5Location::link (std::string const& *target_name*, std::string const& *link_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**
H5Location::moveLink (char const* *src_name*, char const* *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**
H5Location::moveLink (char const* *src_name*, Group const& *dst*, char const* *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**
H5Location::moveLink (std::string const& *src_name*, Group const& *dst*, std::string const& *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**
H5Location::moveLink (std::string const& *src_name*, std::string const& *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**
H5Location::nameExists (char const* *name*, LinkAccPropList const& *lapl*) **const**
H5Location::nameExists (std::string const& *name*, LinkAccPropList const& *lapl*) **const**
H5Location::unlink (char const* *link_name*, LinkAccPropList const& *lapl*) **const**
H5Location::unlink (std::string const& *link_name*, LinkAccPropList const& *lapl*) **const**

H5Object.h, **libhdf5_cpp.so.102.0.0**

namespace H5

H5Object::getNumAttrs () **const**

H5Ppublic.h, **libhdf5.so.101.1.0**

H5Pget_virtual_prefix (hid_t *dapl_id*, char* *prefix*, size_t *size*)

H5Pset_virtual_prefix (hid_t *dapl_id*, char const* *prefix*)

H5StrType.h, **libhdf5_cpp.so.102.0.0**

namespace H5

StrType::decode () **const**

H5VarLenType.h, **libhdf5_cpp.so.102.0.0**

namespace H5

VarLenType::decode () **const**

VarLenType::VarLenType [in-charge] (DataType const& *base_type*)

VarLenType::VarLenType [not-in-charge] (DataType const& *base_type*)

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Removed Symbols (6)

H5Exception.h, **libhdf5_cpp.so.101.0.0**

namespace H5

Exception::printError (FILE* *stream*) **const**

H5Location.h, **libhdf5_cpp.so.101.0.0**

namespace **H5**

H5Location::getNumAttrs () const

H5Location::unlink (char const* *name*) const

H5Location::unlink (std::string const& *name*) const

H5PLextern.h, **libdynlibvers.so**

H5PLget_plugin_info ()

H5PLget_plugin_type ()

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Problems with Data Types, High Severity (9)

H5CompType.h

namespace **H5**

[+] class **CompType (1)**

	Change		Effect
1	Virtual method CompType::decode () const has been added to this class.		The layout of v-table has been changed. C higher position in this class or its subclasses incorrect behavior of applications.
Offset	Virtual Table (Old) - 4 entries	Virtual Table (New) - 5 entries	
0	(int (*)(...))0	(int (*)(...))0	
8	(int (*)(...))(& typeid)	(int (*)(...))(& typeid)	
16	~CompType	CompType::decode	
24	~CompType	~CompType	
32		~CompType	

H5DataType.h

namespace **H5**

[+] class **DataType (2)**

	Change		Effect
1	Size of this class has been increased from 16 bytes to 32 bytes.		1) An object of this class can be allocated k size will be hardcoded at the compile time. constructor will break the memory of neighbor heap. 2) The memory layout and size of subclasses
2	Virtual method DataType::decode () const has been added to this class.		The layout of v-table has been changed. C higher position in this class or its subclasses incorrect behavior of applications.

Offset	Virtual Table (Old) - 9 entries	Virtual Table (New) - 10 entries
0	(int (*)(...))0	(int (*)(...))0
8	(int (*)(...))(& typeinfo)	(int (*)(...))(& typeinfo)
16	DataType::getId	DataType::getId
24	DataType::close	DataType::close
32	DataType::fromClass	DataType::fromClass
40	~DataType	~DataType
48	~DataType	~DataType
56	DataType::p_setId	DataType::p_setId
64	H5Location::throwException	H5Location::throwException
72		DataType::decode

H5EnumType.h

namespace H5

[+] class EnumType (1)

	Change	Effect
1	Size of this class has been increased from 16 bytes to 32 bytes.	1) An object of this class can be allocated but its size will be hardcoded at the compile time. constructor will break the memory of neighbor heap. 2) The memory layout and size of subclasses

H5Exception.h

namespace H5

[+] class Exception (1)

	Change	Effect
1	Virtual method Exception::printError (FILE*) const has been removed from this class.	The layout of v-table has been changed. Call any virtual method at higher position in this table will result in crash or incorrect behavior of application.

Offset	Virtual Table (Old) - 5 entries	Virtual Table (New) - 4 entries
0	(int (*)(...))0	(int (*)(...))0
8	(int (*)(...))(& typeinfo)	(int (*)(...))(& typeinfo)
16	Exception::printError	~Exception

24	~Exception	~Exception
32	~Exception	

H5FloatType.h

namespace H5

[+] class FloatType (1)

	Change	Effect
1	Virtual method FloatType::decode () const has been added to this class.	The layout of v-table has been changed. C higher position in this class or its subclasse incorrect behavior of applications.

Offset	Virtual Table (Old) - 5 entries	Virtual Table (New) - 6 entries
0	(int (*)(...))0	(int (*)(...))0
8	(int (*)(...))(& typeid)	(int (*)(...))(& typeid)
16	~FloatType	~FloatType
24	~FloatType	~FloatType
32	FloatType::fromClass	FloatType::decode
40		FloatType::fromClass

H5IntType.h

namespace H5

[+] class IntType (1)

	Change	Effect
1	Virtual method IntType::decode () const has been added to this class.	The layout of v-table has been changed. C higher position in this class or its subclasse incorrect behavior of applications.

Offset	Virtual Table (Old) - 5 entries	Virtual Table (New) - 6 entries
0	(int (*)(...))0	(int (*)(...))0
8	(int (*)(...))(& typeid)	(int (*)(...))(& typeid)
16	~IntType	~IntType
24	~IntType	~IntType
32	IntType::fromClass	IntType::decode
40		IntType::fromClass

H5StrType.h

namespace H5

[+] class StrType (1)

Change			Effect
1	Virtual method StrType::decode () const has been added to this class.	The layout of v-table has been changed. C	higher position in this class or its subclasses incorrect behavior of applications.
Offset	Virtual Table (Old) - 5 entries	Virtual Table (New) - 6 entries	
0	(int (*)(...))0	(int (*)(...))0	
8	(int (*)(...))(& typeid)	(int (*)(...))(& typeid)	
16	~StrType	~StrType	
24	~StrType	~StrType	
32	StrType::fromClass	StrType::decode	
40		StrType::fromClass	

H5VarLenType.h

namespace H5

[+] class VarLenType (1)

Change		Effect
1	Size of this class has been increased from 16 bytes to 32 bytes.	1) An object of this class can be allocated size will be hardcoded at the compile time. constructor will break the memory of neighbor heap. 2) The memory layout and size of subclasses

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Problems with Symbols, High Severity (2)

H5Location.h, libhdf5_cpp.so.101.0.0

namespace H5

[+] H5Location::unlink (char const* *name*) const (1)

Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from _ZNK2H510H5Location6un _ZNK2H510H5Location6unlinkEPKcRK This may cause "undefined reference" linker applications.

[+] **H5Location::unlink** (std::string const& *name*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZNK2H510H5Location6unlinkEPKcRK</code> to <code>_ZNK2H510H5Location6unlinkEPKcRK</code> . This may cause "undefined reference" linker errors in applications.

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Problems with Data Types, Low Severity (3)

H5DataType.h

namespace **H5**

[+] class **DataType** (2)

	Change	Effect
1	Field buf_size has been added to this type.	Size of the inclusive type has been changed. NOTE: this field should be accessed only if <code>buf_size</code> is non-zero, otherwise it may result in crash or incorrect behavior.
2	Field encoded_buf has been added to this type.	Size of the inclusive type has been changed. NOTE: this field should be accessed only if <code>encoded_buf</code> is non-zero, otherwise it may result in crash or incorrect behavior.

H5Fpublic.h

[+] enum **H5F_libver_t** (1)

	Change	Effect
1	Name of member with value 1 has been changed from <code>H5F_LIBVER_LATEST</code> to <code>H5F_LIBVER_V18</code> .	Applications may execute a wrong branch of code and therefore change the behavior.

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Problems with Symbols, Low Severity (9)

H5PLpublic.h, **libhdf5.so.101.0.0**

[+] **H5PLappend** (char const* *plugin_path*) (1)

	Change	Effect
1	1st parameter plugin_path has been renamed to search_path .	Renaming of a parameter may indicate a change in meaning.

[+] **H5PLget** (unsigned int *index*, char* *pathname*, size_t *size*) (2)

	Change	Effect
1	2nd parameter pathname has been renamed to path_buf .	Renaming of a parameter may indicate a change in meaning.

2	3rd parameter size has been renamed to buf_size .	Renaming of a parameter may indicate a c meaning.	
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[+] **H5PLget_loading_state** (unsigned int* *plugin_type*) (1)

	Change		Effect
1	1st parameter plugin_type has been renamed to plugin_control_mask .	Renaming of a parameter may indicate a c meaning.	

[+] **H5PLinsert** (char const* *plugin_path*, unsigned int *index*) (1)

	Change		Effect
1	1st parameter plugin_path has been renamed to search_path .	Renaming of a parameter may indicate a c meaning.	

[+] **H5PLprepend** (char const* *plugin_path*) (1)

	Change		Effect
1	1st parameter plugin_path has been renamed to search_path .	Renaming of a parameter may indicate a c meaning.	

[+] **H5PLreplace** (char const* *plugin_path*, unsigned int *index*) (1)

	Change		Effect
1	1st parameter plugin_path has been renamed to search_path .	Renaming of a parameter may indicate a c meaning.	

[+] **H5PLset_loading_state** (unsigned int *plugin_type*) (1)

	Change		Effect
1	1st parameter plugin_type has been renamed to plugin_control_mask .	Renaming of a parameter may indicate a c meaning.	

[+] **H5PLsize** (unsigned int* *listsize*) (1)

	Change		Effect
1	1st parameter listsize has been renamed to num_paths .	Renaming of a parameter may indicate a c meaning.	

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Problems with Constants, Low Severity (3)

H5pubconf.h

[+] **H5_LDOUBLE_TO_LLONG_ACCURATE**

	Change		Effect
1	The constant H5_LDOUBLE_TO_LLONG_ACCURATE with value 1 has been removed.	The value of this constant may no longer b version library functions.	

[+] **H5_LLONG_TO_LDOUBLE_CORRECT**

	Change		Effect
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1	The constant H5_LLONG_TO_LDOUBLE_CORRECT with value 1 has been removed.	The value of this constant may no longer be used in older version library functions.	
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[+] **H5_NO_ALIGNMENT_RESTRICTIONS**

	Change		Effect
1	The constant H5_NO_ALIGNMENT_RESTRICTIONS with value 1 has been removed.	The value of this constant may no longer be used in older version library functions.	

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Other Changes in Data Types (3)

H5Fpublic.h

[+] **enum H5F_libver_t (3)**

	Change		Effect
1	The member H5F_LIBVER_ERROR with value -1 has been added.	No effect.	
2	The member H5F_LIBVER_NBOUNDS with value 3 has been added.	No effect.	
3	The member H5F_LIBVER_V110 with value 2 has been added.	No effect.	

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Other Changes in Constants (5)

H5Dpublic.h

[+] **H5D_XFER_DIRECT_CHUNK_READ_FILTERS_NAME**

	Change		Effect
1	The constant H5D_XFER_DIRECT_CHUNK_READ_FILTERS_NAME with value "direct_chunk_read_filters" has been added.	No effect.	

[+] **H5D_XFER_DIRECT_CHUNK_READ_FLAG_NAME**

	Change		Effect
1	The constant H5D_XFER_DIRECT_CHUNK_READ_FLAG_NAME with value "direct_chunk_read_flag" has been added.	No effect.	

[+] **H5D_XFER_DIRECT_CHUNK_READ_OFFSET_NAME**

	Change		Effect
1	The constant H5D_XFER_DIRECT_CHUNK_READ_OFFSET_NAME with value "direct_chunk_read_offset" has been added.	No effect.	

H5FDpublic.h

[+] H5FD_FEAT_DEFAULT_VFD_COMPATIBLE

	Change		Effect
1	The constant H5FD_FEAT_DEFAULT_VFD_COMPATIBLE with value 0x00008000 has been added.	No effect.	

H5PLpublic.h

[+] H5PL_NO_PLUGIN

	Change		Effect
1	The constant H5PL_NO_PLUGIN with value "::" has been added.	No effect.	

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Header Files (79)

H5AbstractDs.h
H5ACpublic.h
H5api_adpt.h
H5Apublic.h
H5ArrayType.h
H5AtomType.h
H5Attribute.h
H5Classes.h
H5CommonFG.h
H5CompType.h
H5Cpp.h
H5CppDoc.h
H5Cpublic.h
H5DataSet.h
H5DataSpace.h
H5DataType.h
H5DcreatProp.h
H5DOPublic.h
H5Dpublic.h
H5DSpublic.h
H5DxferProp.h
H5EnumType.h
H5Epubgen.h
H5Epublic.h
H5Exception.h
H5f90i.h
H5f90i_gen.h
H5FaccProp.h
H5FcreatProp.h
H5FDcore.h

H5FDdirect.h
H5FDfamily.h
H5FDlog.h
H5FDmpi.h
H5FDmpio.h
H5FDmulti.h
H5FDpublic.h
H5FDsec2.h
H5FDstdio.h
H5File.h
H5FloatType.h
H5Fpublic.h
H5Gpublic.h
H5Group.h
H5IdComponent.h
H5IMpublic.h
H5Include.h
H5IntType.h
H5Ipublic.h
H5LaccProp.h
H5LDpublic.h
H5Library.h
H5Location.h
H5Lpublic.h
H5LTpublic.h
H5MMpublic.h
H5Object.h
H5OcreatProp.h
H5Opublic.h
H5overflow.h
H5PacketTable.h
H5PLextern.h
H5PLpublic.h
H5Ppublic.h
H5PredType.h
H5PropList.h
H5PTpublic.h
H5pubconf.h
H5public.h
H5Rpublic.h
H5Spublic.h
H5StrType.h
H5TBpublic.h
H5Tpublic.h
H5VarLenType.h
H5version.h
H5Zpublic.h
hdf5.h
hdf5_hl.h

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Shared Libraries (15)

libdynlib1.so
libdynlib2.so
libdynlib3.so
libdynlib4.so
libdynlibadd.so
libdynlibdiff.so
libdynlibdump.so
libdynlibls.so
libdynlibvers.so
libhdf5.so.101.0.0
libhdf5_cpp.so.101.0.0
libhdf5_fortran.so.100.1.0
libhdf5_hl.so.100.0.1
libhdf5_hl_cpp.so.100.1.0
libhdf5hl_fortran.so.100.0.1

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Test Info

Library Name	hdf5
Version #1	1.10.1
Version #2	1.10.2
CPU Type	x86_64
GCC Version	4.8.5
Subject	Source Compatibility

Test Results

Total Header Files	79
Total Shared Libraries	15
Total Symbols / Types	2022 / 590
Verdict	Incompatible (0.5%)

Problem Summary

	Severity	Count
Added Symbols	-	61
Removed Symbols	High	8
Problems with Data Types	High	1
	Medium	0
	Low	0
Problems with Symbols	High	0
	Medium	2
	Low	0
Problems with Constants	Low	8
Other Changes in Data Types	-	3
Other Changes in Symbols	-	9
Other Changes in Constants	-	8

Added Symbols (61)

H5CompType.h

namespace H5

CompType::decode () const

H5DataType.h

namespace H5

DataType::decode () const

DataType::detectClass (PredType const& *pred_type*, H5T_class_t *cls*) [static]

DataType::encode ()

DataType::hasBinaryDesc () const

DataType::p_decode () const

H5Dpublic.h

H5Doread_chunk (hid_t *dset_id*, hid_t *dxpl_id*, hsize_t const* *offset*, uint32_t* *filters*, void* *buf*)

H5Dpublic.h

H5Dget_chunk_storage_size (hid_t *dset_id*, hsize_t const* *offset*, hsize_t* *chunk_bytes*)

H5EnumType.h

namespace H5

EnumType::decode () const

H5Epubgen.h

H5E_CANTGATHER_g [data]

H5E_NO_INDEPENDENT_g [data]

H5FDpublic.h

H5FDdriver_query (hid_t *driver_id*, unsigned long* *flags*)

H5FloatType.h

namespace H5

FloatType::decode () const

H5Fpublic.h

H5Fget_eoa (hid_t *file_id*, haddr_t* *eoas*)

H5Fincrement_filesize (hid_t *file_id*, hsize_t *increment*)

H5Fset_libver_bounds (hid_t *file_id*, H5F_libver_t *low*, H5F_libver_t *high*)

H5IntType.h

namespace H5

IntType::decode () const

H5LcreatProp.h

namespace H5

LinkCreatPropList::DEFAULT [data]

LinkCreatPropList::deleteConstants () [static]

LinkCreatPropList::fromClass () const

LinkCreatPropList::getCharEncoding () const

LinkCreatPropList::LinkCreatPropList [in-charge] ()

LinkCreatPropList::LinkCreatPropList [in-charge] (LinkCreatPropList const& *original*)

LinkCreatPropList::LinkCreatPropList [in-charge] (hid_t const *plist_id*)

LinkCreatPropList::LinkCreatPropList [not-in-charge] ()

LinkCreatPropList::LinkCreatPropList [not-in-charge] (LinkCreatPropList const& *original*)

LinkCreatPropList::LinkCreatPropList [not-in-charge] (hid_t const *plist_id*)

LinkCreatPropList::setCharEncoding (H5T_cset_t *encoding*) **const**

LinkCreatPropList::~LinkCreatPropList [in-charge-deleting] ()

LinkCreatPropList::~LinkCreatPropList [in-charge] ()

LinkCreatPropList::~LinkCreatPropList [not-in-charge] ()

H5Location.h

namespace H5

H5Location::copyLink (char const* *src_name*, char const* *dst_name*, LinkCreatPropList const& *lcpl*, LinkAccPropList const& *lapl*) **const**


```

H5Location::copyLink ( char const* src_name, Group const& dst, char const*
dst_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::copyLink ( std::string const& src_name, Group const& dst, std::string
const& dst_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::copyLink ( std::string const& src_name, std::string const& dst_name,
LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::createGroup ( char const* name, LinkCreatPropList const& lcpl ) const
H5Location::createGroup ( std::string const& name, LinkCreatPropList const& lcpl )
const
H5Location::getLinkInfo ( char const* link_name, LinkAccPropList const& lapl ) const
H5Location::getLinkInfo ( std::string const& link_name, LinkAccPropList const& lapl )
const
H5Location::getNumObjs ( ) const
H5Location::link ( char const* curr_name, Group const& new_loc, char const*
new_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::link ( char const* curr_name, hid_t const same_loc, char const*
new_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::link ( char const* target_name, char const* link_name, LinkCreatPropList
const& lcpl, LinkAccPropList const& lapl ) const
H5Location::link ( std::string const& curr_name, Group const& new_loc, std::string
const& new_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::link ( std::string const& curr_name, hid_t const same_loc, std::string
const& new_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::link ( std::string const& target_name, std::string const& link_name,
LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::moveLink ( char const* src_name, char const* dst_name,
LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::moveLink ( char const* src_name, Group const& dst, char const*
dst_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::moveLink ( std::string const& src_name, Group const& dst, std::string
const& dst_name, LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::moveLink ( std::string const& src_name, std::string const& dst_name,
LinkCreatPropList const& lcpl, LinkAccPropList const& lapl ) const
H5Location::nameExists ( char const* name, LinkAccPropList const& lapl ) const
H5Location::nameExists ( std::string const& name, LinkAccPropList const& lapl )
const
H5Location::unlink ( char const* link_name, LinkAccPropList const& lapl ) const
H5Location::unlink ( std::string const& link_name, LinkAccPropList const& lapl ) const

```

H5Object.h

namespace **H5**

```
H5Object::getNumAttrs ( ) const
```

H5Ppublic.h

```
H5Pget_virtual_prefix ( hid_t dapl_id, char* prefix, size_t size )
```

H5Pset_virtual_prefix (hid_t *dapl_id*, char const* *prefix*)

H5StrType.h

namespace H5

StrType::decode () const

H5VarLenType.h

namespace H5

VarLenType::decode () const

VarLenType::VarLenType [in-charge] (DataType const& *base_type*)

VarLenType::VarLenType [not-in-charge] (DataType const& *base_type*)

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Removed Symbols (8)

H5Exception.h

namespace H5

Exception::printError (FILE* *stream*) const

H5Location.h

namespace H5

H5Location::getNumAttrs () const

H5Location::H5Location [in-charge] (hid_t const *loc_id*)

H5Location::H5Location [not-in-charge] (hid_t const *loc_id*)

H5Location::unlink (char const* *name*) const

H5Location::unlink (std::string const& *name*) const

H5Object.h

namespace H5

H5Object::H5Object [in-charge] (hid_t const *object_id*)

H5Object::H5Object [not-in-charge] (hid_t const *object_id*)

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Problems with Data Types, High Severity (1)

H5Fpublic.h

[+] enum H5F_libver_t (1)

	Change	Effect
1	Name of member with value 1 has been changed from H5F_LIBVER_LATEST to H5F_LIBVER_V18.	Recompilation of a client program may be required. Error message: 'H5F_LIBVER_LATEST' was not declared.

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Problems with Symbols, Medium Severity (2)

H5Location.h

namespace H5

[+] H5Location::unlink (char const* *name*) const (1)

	Change	Effect
1	Parameters list has been changed.	Recompilation of a client program may be

[+] H5Location::unlink (std::string const& *name*) const (1)

	Change	Effect
1	Parameters list has been changed.	Recompilation of a client program may be

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Problems with Constants, Low Severity (8)

H5pubconf.h

[+] H5_LDOUBLE_TO_LLONG_ACCURATE

	Change	Effect
1	The constant H5_LDOUBLE_TO_LLONG_ACCURATE with value 1 has been removed.	Recompilation of a client program may be

[+] H5_LLONG_TO_LDOUBLE_CORRECT

	Change	Effect
1	The constant H5_LLONG_TO_LDOUBLE_CORRECT with value 1 has been removed.	Recompilation of a client program may be

[+] H5_NO_ALIGNMENT_RESTRICTIONS

	Change	Effect
1	The constant H5_NO_ALIGNMENT_RESTRICTIONS with value 1 has been removed.	Recompilation of a client program may be

[+] H5_PACKAGE_STRING

	Change	Effect
1	The value of constant H5_PACKAGE_STRING has been changed from "HDF5 1.10.1" to "HDF5 1.10.2".	Recompilation of a client program may be

[+] H5_PACKAGE_VERSION

	Change	Effect
1	The value of constant H5_PACKAGE_VERSION has been changed from "1.10.1" to "1.10.2".	Recompilation of a client program may be

[+] H5_VERSION

	Change	Effect
1	The value of constant H5_VERSION has been changed from "1.10.1" to "1.10.2".	Recompilation of a client program may be

H5public.h

[+] H5_VERS_INFO

	Change		Effect
1	The value of constant H5_VERS_INFO has been changed from "HDF5 library version: 1.10.1" to "HDF5 library version: 1.10.2".	Recompilation of a client program may be	

[+] H5_VERS_RELEASE

	Change		Effect
1	The value of constant H5_VERS_RELEASE has been changed from 1 to 2.	Recompilation of a client program may be	

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Other Changes in Data Types (3)

H5Fpublic.h

[+] enum H5F_libver_t (3)

	Change		Effect
1	The member H5F_LIBVER_ERROR with value -1 has been added.	No effect.	
2	The member H5F_LIBVER_NBOUNDS with value 3 has been added.	No effect.	
3	The member H5F_LIBVER_V110 with value 2 has been added.	No effect.	

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Other Changes in Symbols (9)

H5PLpublic.h

[+] H5PLappend (char const* *plugin_path*) (1)

	Change		Effect
1	1st parameter plugin_path has been renamed to search_path .	No effect.	

[+] H5PLget (unsigned int *index*, char* *pathname*, size_t *size*) (2)

	Change		Effect
1	2nd parameter pathname has been renamed to path_buf .	No effect.	
2	3rd parameter size has been renamed to buf_size .	No effect.	

[+] H5PLget_loading_state (unsigned int* *plugin_type*) (1)

	Change		Effect
--	--------	--	--------

1	1st parameter plugin_type has been renamed to plugin_control_mask .	No effect.	
---	---	------------	--

[+] **H5PLinsert** (char const* *plugin_path*, unsigned int *index*) (1)

	Change		Effect
--	--------	--	--------

1	1st parameter plugin_path has been renamed to search_path .	No effect.	
---	---	------------	--

[+] **H5PLprepend** (char const* *plugin_path*) (1)

	Change		Effect
--	--------	--	--------

1	1st parameter plugin_path has been renamed to search_path .	No effect.	
---	---	------------	--

[+] **H5PLreplace** (char const* *plugin_path*, unsigned int *index*) (1)

	Change		Effect
--	--------	--	--------

1	1st parameter plugin_path has been renamed to search_path .	No effect.	
---	---	------------	--

[+] **H5PLset_loading_state** (unsigned int *plugin_type*) (1)

	Change		Effect
--	--------	--	--------

1	1st parameter plugin_type has been renamed to plugin_control_mask .	No effect.	
---	---	------------	--

[+] **H5PLsize** (unsigned int* *listsize*) (1)

	Change		Effect
--	--------	--	--------

1	1st parameter listsize has been renamed to num_paths .	No effect.	
---	--	------------	--

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Other Changes in Constants (8)

H5Dpublic.h

[+] **H5D_XFER_DIRECT_CHUNK_READ_FILTERS_NAME**

	Change		Effect
--	--------	--	--------

1	The constant H5D_XFER_DIRECT_CHUNK_READ_FILTERS_NAME with value " direct_chunk_read_filters " has been added.	No effect.	
---	---	------------	--

[+] **H5D_XFER_DIRECT_CHUNK_READ_FLAG_NAME**

	Change		Effect
--	--------	--	--------

1	The constant H5D_XFER_DIRECT_CHUNK_READ_FLAG_NAME with value " direct_chunk_read_flag " has been added.	No effect.	
---	---	------------	--

[+] **H5D_XFER_DIRECT_CHUNK_READ_OFFSET_NAME**

	Change		Effect
--	--------	--	--------

1	The constant	No effect.	
---	--------------	------------	--

H5D_XFER_DIRECT_CHUNK_READ_OFFSET_NAME with value "direct_chunk_read_offset" has been added.		
--	--	--

H5Epubgen.h

[+] H5E_CANTGATHER

	Change		Effect
1	The constant H5E_CANTGATHER with value (H5OPEN H5E_CANTGATHER_g) has been added.	No effect.	

[+] H5E_NO_INDEPENDENT

	Change		Effect
1	The constant H5E_NO_INDEPENDENT with value (H5OPEN H5E_NO_INDEPENDENT_g) has been added.	No effect.	

H5FDpublic.h

[+] H5FD_FEAT_DEFAULT_VFD_COMPATIBLE

	Change		Effect
1	The constant H5FD_FEAT_DEFAULT_VFD_COMPATIBLE with value 0x00008000 has been added.	No effect.	

H5Fpublic.h

[+] H5F_LIBVER_LATEST

	Change		Effect
1	The constant H5F_LIBVER_LATEST with value 2 has been added.	No effect.	

H5PLpublic.h

[+] H5PL_NO_PLUGIN

	Change		Effect
1	The constant H5PL_NO_PLUGIN with value "::" has been added.	No effect.	

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Header Files (79)

H5AbstractDs.h
H5ACpublic.h
H5api_adpt.h
H5Apublic.h
H5ArrayType.h
H5AtomType.h
H5Attribute.h
H5Classes.h

H5CommonFG.h
H5CompType.h
H5Cpp.h
H5CppDoc.h
H5Cpublic.h
H5DataSet.h
H5DataSpace.h
H5DataType.h
H5DcreatProp.h
H5DOPublic.h
H5Dpublic.h
H5DSpublic.h
H5DxferProp.h
H5EnumType.h
H5Epubgen.h
H5Epublic.h
H5Exception.h
H5f90i.h
H5f90i_gen.h
H5FaccProp.h
H5FcreatProp.h
H5FDcore.h
H5FDdirect.h
H5FDfamily.h
H5FDlog.h
H5FDmpi.h
H5FDmpio.h
H5FDmulti.h
H5FDpublic.h
H5FDsec2.h
H5FDstdio.h
H5File.h
H5FloatType.h
H5Fpublic.h
H5Gpublic.h
H5Group.h
H5IdComponent.h
H5IMpublic.h
H5Include.h
H5IntType.h
H5Ipublic.h
H5LaccProp.h
H5LDpublic.h
H5Library.h
H5Location.h
H5Lpublic.h
H5LTpublic.h
H5MMpublic.h
H5Object.h

H5OcreatProp.h
H5Opublic.h
H5overflow.h
H5PacketTable.h
H5PLextern.h
H5PLpublic.h
H5Ppublic.h
H5PredType.h
H5PropList.h
H5PTpublic.h
H5pubconf.h
H5public.h
H5Rpublic.h
H5Spublic.h
H5StrType.h
H5TBpublic.h
H5Tpublic.h
H5VarLenType.h
H5version.h
H5Zpublic.h
hdf5.h
hdf5_hl.h

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Shared Libraries (15)

libdynlib1.so
libdynlib2.so
libdynlib3.so
libdynlib4.so
libdynlibadd.so
libdynlibdiff.so
libdynlibdump.so
libdynlibls.so
libdynlibvers.so
libhdf5.so.101.0.0
libhdf5_cpp.so.101.0.0
libhdf5_fortran.so.100.1.0
libhdf5_hl.so.100.0.1
libhdf5_hl_cpp.so.100.1.0
libhdf5hl_fortran.so.100.0.1

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