

API compatibility report for the [hdf5](#) library between **1.8.16** and **1.10.0** versions on [x86_64](#)

Binary	
Compatibility	Source
Compatibility	

Test Info

Library Name	hdf5
Version #1	1.8.16
Version #2	1.10.0
CPU Type	x86_64
GCC Version	4.8.5
Subject	Binary Compatibility

Test Results

Total Header Files	77
Total Shared Libraries	6
Total Symbols / Types	1809 / 538
Verdict	Incompatible (49.2%)

Problem Summary

	Severity	Count
Added Symbols	-	197
Removed Symbols	High	116
Problems with Data Types	High	7
	Medium	24
	Low	12
Problems with Symbols	High	106
	Medium	265
	Low	0

Problems with Constants	Low	14
Other Changes in Data Types	-	1
Other Changes in Constants	-	31

Added Symbols (197)

H5ArrayType.h, libhdf5_cpp.so.100.0.0

namespace H5

ArrayType::ArrayType [in-charge] (long const *existing_id*)

ArrayType::ArrayType [not-in-charge] (long const *existing_id*)

ArrayType::operator = (ArrayType const& *rhs*)

ArrayType::setArrayInfo ()

H5AtomType.h, libhdf5_cpp.so.100.0.0

namespace H5

AtomType::AtomType [in-charge] (long const *existing_id*)

AtomType::AtomType [not-in-charge] (long const *existing_id*)

H5Attribute.h, libhdf5_cpp.so.100.0.0

namespace H5

Attribute::Attribute [in-charge] (long const *attr_id*)

Attribute::Attribute [not-in-charge] (long const *attr_id*)

Attribute::p_setId (long const *new_id*)

f_Attribute_setId (Attribute* *attr*, long *new_id*)

H5CommonFG.h, libhdf5_cpp.so.100.0.0

namespace H5

CommonFG::getObjInfo (char const* *name*, bool *follow_link*, H5G_stat_t& *statbuf*)
const

CommonFG::iterateElems (char const* *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*)

H5CompType.h, libhdf5_cpp.so.100.0.0

namespace H5

CompType::CompType [in-charge] (long const *existing_id*)

CompType::CompType [not-in-charge] (long const *existing_id*)

H5DataSet.h, libhdf5_cpp.so.100.0.0

namespace H5

DataSet::DataSet [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)

DataSet::DataSet [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)

DataSet::DataSet [in-charge] (long const *existing_id*)
DataSet::DataSet [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataSet::DataSet [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataSet::DataSet [not-in-charge] (long const *existing_id*)
DataSet::iterateElems (void* *buf*, DataType const& *type*, DataSpace const& *space*, H5D_operator_t *op*, void* *op_data*)
DataSet::p_setId (long const *new_id*)
f_DataSet_setId (DataSet* *dset*, long *new_id*)

H5DataSpace.h, libhdf5_cpp.so.100.0.0

namespace H5

DataSpace::DataSpace [in-charge] (long const *space_id*)
DataSpace::DataSpace [not-in-charge] (long const *space_id*)
DataSpace::p_setId (long const *new_id*)
f_DataSpace_setId (DataSpace* *dspace*, long *new_id*)

H5DataType.h, libhdf5_cpp.so.100.0.0

namespace H5

DataType::DataType [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [in-charge] (long const *type_id*)
DataType::DataType [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [not-in-charge] (long const *type_id*)
DataType::p_setId (long const *new_id*)
DataType::registerFunc (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
DataType::registerFunc (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
DataType::unregister (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
DataType::unregister (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
f_DataType_setId (DataType* *dtype*, long *new_id*)

H5DcreatProp.h, libhdf5_cpp.so.100.0.0

namespace H5

DSetCreatPropList::DSetCreatPropList [in-charge] (long const *plist_id*)
DSetCreatPropList::DSetCreatPropList [not-in-charge] (long const *plist_id*)

H5DOPublic.h, libhdf5_hl.so.100.0.0

H5DOappend (long *dset_id*, long *dxpl_id*, unsigned int *axis*, size_t *extension*, long *memtype*, void const* *buf*)

H5Dpublic.h, libhdf5.so.100.0.0

H5Dflush (long *dset_id*)

H5Dformat_convert (long *dset_id*)

H5Dget_chunk_index_type (long *did*, H5D_chunk_index_t* *idx_type*)

H5Drefresh (long *dset_id*)

H5DxferProp.h, libhdf5_cpp.so.100.0.0

namespace H5

DSetMemXferPropList::DSetMemXferPropList [in-charge] (long const *plist_id*)

DSetMemXferPropList::DSetMemXferPropList [not-in-charge] (long const *plist_id*)

DSetMemXferPropList::getTypeConvCB (H5T_conv_except_func_t* *op*, void** *user_data*) const

DSetMemXferPropList::setTypeConvCB (H5T_conv_except_func_t *op*, void* *user_data*) const

H5EnumType.h, libhdf5_cpp.so.100.0.0

namespace H5

EnumType::EnumType [in-charge] (long const *existing_id*)

EnumType::EnumType [not-in-charge] (long const *existing_id*)

H5Epubgen.h, libhdf5.so.100.0.0

H5E_CANTAPPEND_g [data]

H5E_CANTCORK_g [data]

H5E_CANTDEPEND_g [data]

H5E_CANTNOTIFY_g [data]

H5E_CANTTAG_g [data]

H5E_CANTUNCORK_g [data]

H5E_CANTUNDEPEND_g [data]

H5E_EARRAY_g [data]

H5E_FARRAY_g [data]

H5E_LOGFAIL_g [data]

H5Exception.h, libhdf5_cpp.so.100.0.0

namespace H5

Exception::getAutoPrint (H5E_auto2_t& *func*, void** *client_data*) [static]

Exception::getMajorString (long *err_major_id*) const

Exception::getMinorString (long *err_minor_id*) const

Exception::printErrorStack (FILE* *stream*, long *err_stack*) [static]

Exception::setAutoPrint (H5E_auto2_t& *func*, void* *client_data*) [static]

H5FaccProp.h, libhdf5_cpp.so.100.0.0

namespace H5

FileAccPropList::FileAccPropList [in-charge] (long const *plist_id*)

FileAccPropList::FileAccPropList [not-in-charge] (long const *plist_id*)

FileAccPropList::getCore (size_t& *increment*, bool& *backing_store*) const

FileAccPropList::setCore (size_t *increment*, bool *backing_store*) const

FileAccPropList::setDriver (long *new_driver_id*, void const* *new_driver_info*) const

H5FcreatProp.h, libhdf5_cpp.so.100.0.0

namespace H5

FileCreatPropList::FileCreatPropList [in-charge] (long const *plist_id*)

FileCreatPropList::FileCreatPropList [not-in-charge] (long const *plist_id*)

H5FDpublic.h, libhdf5.so.100.0.0

H5FDlock (H5FD_t* *file*, bool *rw*)

H5FDunlock (H5FD_t* *file*)

H5File.h, libhdf5_cpp.so.100.0.0

namespace H5

H5File::getObjIDs (unsigned int *types*, size_t *max_objs*, long* *oid_list*) const

H5File::H5File [in-charge] (long *existing_id*)

H5File::H5File [not-in-charge] (long *existing_id*)

H5File::p_setId (long const *new_id*)

H5FloatType.h, libhdf5_cpp.so.100.0.0

namespace H5

FloatType::FloatType [in-charge] (long const *existing_id*)

FloatType::FloatType [not-in-charge] (long const *existing_id*)

H5Fpublic.h, libhdf5.so.100.0.0

H5Fformat_convert (long *fid*)

H5Fget_free_sections (long *file_id*, H5F_mem_t *type*, size_t *nsects*, H5F_sect_info_t* *sect_info*)

H5Fget_info1 (long *obj_id*, H5F_info1_t* *info*)

H5Fget_info2 (long *obj_id*, H5F_info2_t* *info*)

H5Fget_mdc_logging_status (long *file_id*, bool* *is_enabled*, bool* *is_currently_logging*)

H5Fget_metadata_read_retry_info (long *file_id*, H5F_retry_info_t* *info*)

H5Fstart_mdc_logging (long *file_id*)

H5Fstart_swmr_write (long *file_id*)

H5Fstop_mdc_logging (long *file_id*)

H5Gpublic.h, libhdf5.so.100.0.0

H5Gflush (long *group_id*)

H5Grefresh (long *group_id*)

H5Group.h, libhdf5_cpp.so.100.0.0

namespace H5

Group::Group [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [in-charge] (long const *group_id*)
Group::Group [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [not-in-charge] (long const *group_id*)
Group::p_setId (long const *new_id*)

H5IdComponent.h, libhdf5_cpp.so.100.0.0

namespace H5

IdComponent::decRefCount (long const *obj_id*) const
IdComponent::getCounter (long const *obj_id*) const
IdComponent::getHDFObjType (long const *obj_id*) [static]
IdComponent::IdComponent [in-charge] (long const *h5_id*)
IdComponent::IdComponent [not-in-charge] (long const *h5_id*)
IdComponent::incRefCount (long const *obj_id*) const
IdComponent::p_valid_id (long const *obj_id*) [static]
IdComponent::setId (long const *new_id*)

H5IntType.h, libhdf5_cpp.so.100.0.0

namespace H5

IntType::IntType [in-charge] (long const *existing_id*)
IntType::IntType [not-in-charge] (long const *existing_id*)

H5LDpublic.h, libhdf5_hl.so.100.0.0

H5LDget_dset_dims (long *did*, hsize_t* *cur_dims*)
H5LDget_dset_elmts (long *did*, hsize_t const* *prev_dims*, hsize_t const* *cur_dims*, char const* *fields*, void* *buf*)
H5LDget_dset_type_size (long *did*, char const* *fields*)

H5Location.h, libhdf5_cpp.so.100.0.0

namespace H5

H5Location::dereference (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
H5Location::dereference (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
H5Location::H5Location [in-charge] (long const *loc_id*)
H5Location::H5Location [not-in-charge] (long const *loc_id*)
H5Location::p_dereference (long *loc_id*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*, char const* *from_func*)
H5Location::p_reference (void* *ref*, char const* *name*, long *space_id*, enum H5R_type_t *ref_type*) const

H5Object.h, libhdf5_cpp.so.100.0.0

namespace H5

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

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

H5OcreatProp.h, libhdf5_cpp.so.100.0.0

namespace H5

ObjCreatPropList::ObjCreatPropList [in-charge] (long const *plist_id*)

ObjCreatPropList::ObjCreatPropList [not-in-charge] (long const *plist_id*)

H5Opublic.h, libhdf5.so.100.0.0

H5Oare_mdc_flushes_disabled (long *object_id*, bool* *are_disabled*)

H5Odisable_mdc_flushes (long *object_id*)

H5Oenable_mdc_flushes (long *object_id*)

H5Oflush (long *obj_id*)

H5Orefresh (long *oid*)

H5PacketTable.h, libhdf5_hl_cpp.so.100.0.0

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, char* *name*)

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, char* *name*, long *dtypeID*, hsize_t *chunkSize*, int *compression*)

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, long *plist_id*, char const* *name*, long *dtypeID*, hsize_t *chunkSize*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, char* *name*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, char* *name*, long *dtypeID*, hsize_t *chunkSize*, int *compression*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, long *plist_id*, char const* *name*, long *dtypeID*, hsize_t *chunkSize*)

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

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

PacketTable::FreeBuff (size_t *numStructs*, struct hvl_t* *buffer*)

PacketTable::GetDataset ()

PacketTable::GetDatatype ()

PacketTable::GetTableId ()

PacketTable::IsVariableLength ()

PacketTable::PacketTable [in-charge] (long *fileID*, char const* *name*)

PacketTable::PacketTable [in-charge] (long *fileID*, char* *name*)

PacketTable::PacketTable [not-in-charge] (long *fileID*, char const* *name*)

PacketTable::PacketTable [not-in-charge] (long *fileID*, char* *name*)

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

H5Ppublic.h, libhdf5.so.100.0.0

H5P_CLS_ATTRIBUTE_ACCESS_ID_g [data]

H5P_LST_ATTRIBUTE_ACCESS_ID_g [data]
H5Pdecode (void const* *buf*)
H5Pencode (long *plist_id*, void* *buf*, size_t* *nalloc*)
H5Pget_append_flush (long *plist_id*, unsigned int *dims*, hsize_t* *boundary*,
H5D_append_cb_t* *func*, void** *udata*)
H5Pget_chunk_opts (long *plist_id*, unsigned int* *opts*)
H5Pget_efile_prefix (long *dapl_id*, char* *prefix*, size_t *size*)
H5Pget_file_space (long *plist_id*, H5F_file_space_type_t* *strategy*, hsize_t* *threshold*
))
H5Pget_mdc_log_options (long *plist_id*, bool* *is_enabled*, char* *location*, size_t*
location_size, bool* *start_on_access*)
H5Pget_metadata_read_attempts (long *plist_id*, unsigned int* *attempts*)
H5Pget_object_flush_cb (long *plist_id*, H5F_flush_cb_t* *func*, void** *udata*)
H5Pget_virtual_count (long *dcpl_id*, size_t* *count*)
H5Pget_virtual_dsetname (long *dcpl_id*, size_t *index*, char* *name*, size_t *size*)
H5Pget_virtual_filename (long *dcpl_id*, size_t *index*, char* *name*, size_t *size*)
H5Pget_virtual_printf_gap (long *plist_id*, hsize_t* *gap_size*)
H5Pget_virtual_srcspace (long *dcpl_id*, size_t *index*)
H5Pget_virtual_view (long *plist_id*, H5D_vds_view_t* *view*)
H5Pget_virtual_vspace (long *dcpl_id*, size_t *index*)
H5Pset_append_flush (long *plist_id*, unsigned int *ndims*, hsize_t const* *boundary*,
H5D_append_cb_t *func*, void* *udata*)
H5Pset_chunk_opts (long *plist_id*, unsigned int *opts*)
H5Pset_efile_prefix (long *dapl_id*, char const* *prefix*)
H5Pset_file_space (long *plist_id*, H5F_file_space_type_t *strategy*, hsize_t *threshold*)
H5Pset_mdc_log_options (long *plist_id*, bool *is_enabled*, char const* *location*, bool
start_on_access)
H5Pset_metadata_read_attempts (long *plist_id*, unsigned int *attempts*)
H5Pset_object_flush_cb (long *plist_id*, H5F_flush_cb_t *func*, void* *udata*)
H5Pset_virtual (long *dcpl_id*, long *vspace_id*, char const* *src_file_name*, char const*
src_dset_name, long *src_space_id*)
H5Pset_virtual_printf_gap (long *plist_id*, hsize_t *gap_size*)
H5Pset_virtual_view (long *plist_id*, H5D_vds_view_t *view*)

H5PredType.h, libhdf5_cpp.so.100.0.0

namespace H5

PredType::PredType [in-charge] (long const *predtype_id*)

PredType::PredType [not-in-charge] (long const *predtype_id*)

H5PropList.h, libhdf5_cpp.so.100.0.0

namespace H5

f_PropList_setId (PropList* *plist*, long *new_id*)

PropList::p_setId (long const *new_id*)

PropList::PropList [in-charge] (long const *plist_id*)

PropList::PropList [not-in-charge] (long const *plist_id*)

H5PTpublic.h, libhdf5_hl.so.100.0.0

H5PTcreate (long *loc_id*, char const* *dset_name*, long *dtype_id*, hsize_t *chunk_size*, long *plist_id*)

H5PTfree_vlen_buff (long *table_id*, size_t *buflen*, void* *buff*)

H5PTget_dataset (long *table_id*)

H5PTget_type (long *table_id*)

H5PTis_varlen (long *table_id*)

H5Rpublic.h, **libhdf5.so.100.0.0**

H5Rdereference1 (long *obj_id*, enum H5R_type_t *ref_type*, void const* *ref*)

H5Rdereference2 (long *obj_id*, long *oapl_id*, enum H5R_type_t *ref_type*, void const* *ref*)

H5Spublic.h, **libhdf5.so.100.0.0**

H5Sget_regular_hyperslab (long *spaceid*, hsize_t* *start*, hsize_t* *stride*, hsize_t* *count*, hsize_t* *block*)

H5Sis_regular_hyperslab (long *spaceid*)

H5StrType.h, **libhdf5_cpp.so.100.0.0**

namespace H5

StrType::StrType [in-charge] (long const *existing_id*)

StrType::StrType [not-in-charge] (long const *existing_id*)

H5Tpublic.h, **libhdf5.so.100.0.0**

H5Tflush (long *type_id*)

H5Trefresh (long *type_id*)

H5VarLenType.h, **libhdf5_cpp.so.100.0.0**

namespace H5

VarLenType::VarLenType [in-charge] (long const *existing_id*)

VarLenType::VarLenType [not-in-charge] (long const *existing_id*)

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Removed Symbols (116)

H5AbstractDs.h, **libhdf5_cpp.so.11.0.0**

namespace H5

AbstractDs::AbstractDs [in-charge] (int const *h5_id*)

AbstractDs::AbstractDs [not-in-charge] (int const *h5_id*)

H5ArrayType.h, **libhdf5_cpp.so.11.0.0**

namespace H5

ArrayType::ArrayType [in-charge] (int const *existing_id*)

ArrayType::ArrayType [not-in-charge] (int const *existing_id*)

H5AtomType.h, **libhdf5_cpp.so.11.0.0**

namespace H5

AtomType::AtomType [in-charge] (int const *existing_id*)

AtomType::AtomType [not-in-charge] (int const *existing_id*)

H5Attribute.h, libhdf5_cpp.so.11.0.0

namespace H5

Attribute::Attribute [in-charge] (int const *attr_id*)

Attribute::Attribute [not-in-charge] (int const *attr_id*)

Attribute::p_setId (int const *new_id*)

f_Attribute_setId (Attribute* *attr*, int *new_id*)

H5CommonFG.h, libhdf5_cpp.so.11.0.0

namespace H5

CommonFG::getObjInfo (char const* *name*, unsigned int *follow_link*, H5G_stat_t& *statbuf*) const

CommonFG::iterateElems (char const* *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*)

H5CompType.h, libhdf5_cpp.so.11.0.0

namespace H5

CompType::CompType [in-charge] (int const *existing_id*)

CompType::CompType [not-in-charge] (int const *existing_id*)

H5DataSet.h, libhdf5_cpp.so.11.0.0

namespace H5

DataSet::DataSet [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [in-charge] (int const *existing_id*)

DataSet::DataSet [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [not-in-charge] (int const *existing_id*)

DataSet::iterateElems (void* *buf*, DataType const& *type*, DataSpace const& *space*, H5D_operator_t *op*, void* *op_data*)

DataSet::p_setId (int const *new_id*)

f_DataSet_setId (DataSet* *dset*, int *new_id*)

H5DataSpace.h, libhdf5_cpp.so.11.0.0

namespace H5

DataSpace::DataSpace [in-charge] (int const *space_id*)

DataSpace::DataSpace [not-in-charge] (int const *space_id*)

DataSpace::p_setId (int const *new_id*)

f_DataSpace_setId (DataSpace* *dspace*, int *new_id*)

H5DataType.h, libhdf5_cpp.so.11.0.0

namespace H5

DataType::DataType [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [in-charge] (int const *type_id*)

DataType::DataType [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [not-in-charge] (int const *type_id*)

DataType::p_setId (int const *new_id*)

DataType::registerFunc (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

DataType::registerFunc (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

DataType::unregister (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

DataType::unregister (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

f_DataType_setId (DataType* *dtype*, int *new_id*)

H5DcreatProp.h, libhdf5_cpp.so.11.0.0

namespace H5

DSetCreatPropList::DSetCreatPropList [in-charge] (int const *plist_id*)

DSetCreatPropList::DSetCreatPropList [not-in-charge] (int const *plist_id*)

H5DxferProp.h, libhdf5_cpp.so.11.0.0

namespace H5

DSetMemXferPropList::DSetMemXferPropList [in-charge] (int const *plist_id*)

DSetMemXferPropList::DSetMemXferPropList [not-in-charge] (int const *plist_id*)

DSetMemXferPropList::getTypeConvCB (H5T_conv_except_func_t* *op*, void** *user_data*) **const**

DSetMemXferPropList::setTypeConvCB (H5T_conv_except_func_t *op*, void* *user_data*) **const**

H5EnumType.h, libhdf5_cpp.so.11.0.0

namespace H5

EnumType::EnumType [in-charge] (int const *existing_id*)

EnumType::EnumType [not-in-charge] (int const *existing_id*)

H5Exception.h, libhdf5_cpp.so.11.0.0

namespace H5

Exception::getAutoPrint (H5E_auto2_t& *func*, void** *client_data*) [static]

Exception::getMajorString (int *err_major_id*) **const**

Exception::getMinorString (int *err_minor_id*) **const**

Exception::printErrorStack (FILE* *stream*, int *err_stack*) [static]
Exception::setAutoPrint (H5E_auto2_t& *func*, void* *client_data*) [static]

H5FaccProp.h, libhdf5_cpp.so.11.0.0

namespace H5

FileAccPropList::FileAccPropList [in-charge] (int const *plist_id*)
FileAccPropList::FileAccPropList [not-in-charge] (int const *plist_id*)
FileAccPropList::getCore (size_t& *increment*, unsigned int& *backing_store*) const
FileAccPropList::setCore (size_t *increment*, unsigned int *backing_store*) const
FileAccPropList::setDriver (int *new_driver_id*, void const* *new_driver_info*) const

H5FcreatProp.h, libhdf5_cpp.so.11.0.0

namespace H5

FileCreatPropList::FileCreatPropList [in-charge] (int const *plist_id*)
FileCreatPropList::FileCreatPropList [not-in-charge] (int const *plist_id*)

H5FDcore.h, libhdf5.so.10.1.0

H5FD_core_term ()

H5FDfamily.h, libhdf5.so.10.1.0

H5FD_family_term ()

H5FDlog.h, libhdf5.so.10.1.0

H5FD_log_term ()

H5FDmulti.h, libhdf5.so.10.1.0

H5FD_multi_term ()

H5FDsec2.h, libhdf5.so.10.1.0

H5FD_sec2_term ()

H5FDstdio.h, libhdf5.so.10.1.0

H5FD_stdio_term ()

H5File.h, libhdf5_cpp.so.11.0.0

namespace H5

H5File::getObjIDs (unsigned int *types*, size_t *max_objs*, int* *oid_list*) const
H5File::H5File [in-charge] (int *existing_id*)
H5File::H5File [not-in-charge] (int *existing_id*)
H5File::p_setId (int const *new_id*)

H5FloatType.h, libhdf5_cpp.so.11.0.0

namespace H5

FloatType::FloatType [in-charge] (int const *existing_id*)
FloatType::FloatType [not-in-charge] (int const *existing_id*)

H5Fpublic.h, libhdf5.so.10.1.0

H5Fget_info (int *obj_id*, H5F_info_t* *bh_info*)

H5Group.h, libhdf5_cpp.so.11.0.0

namespace H5

Group::Group [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [in-charge] (int const *group_id*)

Group::Group [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [not-in-charge] (int const *group_id*)

Group::p_setId (int const *new_id*)

H5IdComponent.h, libhdf5_cpp.so.11.0.0

namespace H5

IdComponent::decRefCount (int const *obj_id*) const

IdComponent::getCounter (int const *obj_id*) const

IdComponent::getHDFObjType (int const *obj_id*) [static]

IdComponent::IdComponent [in-charge] (int const *h5_id*)

IdComponent::IdComponent [not-in-charge] (int const *h5_id*)

IdComponent::incRefCount (int const *obj_id*) const

IdComponent::p_valid_id (int const *obj_id*) [static]

IdComponent::setId (int const *new_id*)

H5IntType.h, libhdf5_cpp.so.11.0.0

namespace H5

IntType::IntType [in-charge] (int const *existing_id*)

IntType::IntType [not-in-charge] (int const *existing_id*)

H5Location.h, libhdf5_cpp.so.11.0.0

namespace H5

H5Location::dereference (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

H5Location::dereference (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

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

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

H5Location::p_dereference (int *loc_id*, void const* *ref*, enum H5R_type_t *ref_type*, char const* *from_func*)

H5Location::p_reference (void* *ref*, char const* *name*, int *space_id*, enum H5R_type_t *ref_type*) const

H5Object.h, libhdf5_cpp.so.11.0.0

namespace H5

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

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

H5OcreatProp.h, libhdf5_cpp.so.11.0.0

namespace H5

ObjCreatPropList::ObjCreatPropList [in-charge] (int const *plist_id*)

ObjCreatPropList::ObjCreatPropList [not-in-charge] (int const *plist_id*)

H5PacketTable.h, libhdf5_hl_cpp.so.11.0.0

FL_PacketTable::FL_PacketTable [in-charge] (int *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*)

FL_PacketTable::FL_PacketTable [not-in-charge] (int *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [not-in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*)

PacketTable::PacketTable [in-charge] (int *fileID*, char const* *name*)

PacketTable::PacketTable [not-in-charge] (int *fileID*, char const* *name*)

H5PredType.h, libhdf5_cpp.so.11.0.0

namespace H5

PredType::PredType [in-charge] (int const *predtype_id*)

PredType::PredType [not-in-charge] (int const *predtype_id*)

H5PropList.h, libhdf5_cpp.so.11.0.0

namespace H5

f_PropList_setId (PropList* *plist*, int *new_id*)

PropList::p_setId (int const *new_id*)

PropList::PropList [in-charge] (int const *plist_id*)

PropList::PropList [not-in-charge] (int const *plist_id*)

H5Rpublic.h, libhdf5.so.10.1.0

H5Rdereference (int *dataset*, enum H5R_type_t *ref_type*, void const* *ref*)

H5StrType.h, libhdf5_cpp.so.11.0.0

namespace H5

StrType::StrType [in-charge] (int const *existing_id*)

StrType::StrType [not-in-charge] (int const *existing_id*)

H5VarLenType.h, libhdf5_cpp.so.11.0.0

namespace H5

VarLenType::VarLenType [in-charge] (int const *existing_id*)

VarLenType::VarLenType [not-in-charge] (int const *existing_id*)

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Problems with Data Types, High Severity (7)

H5Epublic.h

[+] typedef **H5E_major_t (1)**

	Change		Effect
1	Size of this type has been changed from 4 bytes to 8 bytes.		Layout of parameter's stack of several functions will be changed, therefore parameters at higher positions in stack will not be initialized by applications.

[+] typedef **H5E_minor_t (1)**

	Change		Effect
1	Size of this type has been changed from 4 bytes to 8 bytes.		Layout of parameter's stack of several functions will be changed, therefore parameters at higher positions in stack will not be initialized by applications.

H5Ipublic.h

[+] typedef **hid_t (1)**

	Change		Effect
1	Size of this type has been changed from 4 bytes to 8 bytes.		Layout of parameter's stack of several functions will be changed, therefore parameters at higher positions in stack will not be initialized by applications.

H5PacketTable.h

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

	Change		Effect
1	Size of this class has been increased from 16 bytes to 24 bytes.		1) An object of this class can be allocated with a size that is not a multiple of 8 bytes, which will be hardcoded at the compile time. The constructor will break the memory of neighboring objects on the heap. 2) The memory layout and size of subclasses will be affected.

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

	Change		Effect
1	Size of this class has been increased from 4 bytes to 16 bytes.		1) An object of this class can be allocated with a size that is not a multiple of 8 bytes, which will be hardcoded at the compile time. The constructor will break the memory of neighboring objects on the heap. 2) The memory layout and size of subclasses will be affected.
2	First virtual method PacketTable::~~PacketTable () has been added to this class.		1) The layout of type structure has been shifted due to the addition of v-table pointer. 2) Size of class has been increased by 8 bytes.

H5public.h

[+] typedef **hbool_t (1)**

	Change		Effect
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1	Size of this type has been changed from 4 bytes to 1 byte.	Layout of parameter's stack of several functions therefore parameters at higher positions in stack are not initialized by applications.
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Problems with Symbols, High Severity (106)

H5ArrayType.h, **libhdf5_cpp.so.11.0.0**

namespace **H5**

[+] **ArrayType::ArrayType** [in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this type has been changed from _ZN2H59ArrayTypeC to _ZN2H59ArrayTypeC1EI . This may cause error in old client applications.

[+] **ArrayType::ArrayType** [not-in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this type has been changed from _ZN2H59ArrayTypeC to _ZN2H59ArrayTypeC2EI . This may cause error in old client applications.

H5AtomType.h, **libhdf5_cpp.so.11.0.0**

namespace **H5**

[+] **AtomType::AtomType** [in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this type has been changed from _ZN2H58AtomTypeC to _ZN2H58AtomTypeC1EI . This may cause error in old client applications.

[+] **AtomType::AtomType** [not-in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this type has been changed from _ZN2H58AtomTypeC to _ZN2H58AtomTypeC2EI . This may cause error in old client applications.

H5Attribute.h, **libhdf5_cpp.so.11.0.0**

namespace **H5**

[+] **Attribute::Attribute** [in-charge] (int const *attr_id*) (1)

	Change	Effect
1	Parameters list has been changed.	

1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H59AttributeC11</code> . This may cause "undefined reference" linker applications.
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[+] **Attribute::Attribute** [not-in-charge] (int const *attr_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H59AttributeC21</code> . This may cause "undefined reference" linker applications.

[+] **Attribute::p_setId** (int const *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H59Attribute7p_setIdE1</code> . This may cause linker error in old client applications.

[+] **f_Attribute_setId** (Attribute* *attr*, int *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H517f_Attribute_setIdEPNS_9Attril</code> . This may cause "undefined reference" linker error in old client applications.

H5CommonFG.h, **libhdf5_cpp.so.11.0.0**
namespace **H5**

[+] **CommonFG::getObjInfo** (char const* *name*, unsigned int *follow_link*, H5G_stat_t& *statbuf*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZNK2H58CommonFG10getObjInfoEPK</code> . This may cause "undefined reference" linker error in old client applications.

[+] **CommonFG::iterateElems** (char const* *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H58CommonFG12iterateElemsEPK</code> . This may cause "undefined reference" linker error in old client applications.

H5CompType.h, **libhdf5_cpp.so.11.0.0**

namespace H5

[+] **CompType::CompType** [not-in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58CompTypeC2EI</code> to <code>_ZN2H58CompTypeC2EI</code> . This may cause linker error in old client applications.

[+] **CompType::CompType** [in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58CompTypeC1EI</code> to <code>_ZN2H58CompTypeC1EI</code> . This may cause linker error in old client applications.

H5DataSet.h, libhdf5_cpp.so.11.0.0

namespace H5

[+] **DataSet::DataSet** [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H57DataSetC2ERKNS_9AttributeEPKv10H5</code> to <code>_ZN2H57DataSetC2ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataSet::DataSet** [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H57DataSetC1ERKNS_9AttributeEPKv10H5</code> to <code>_ZN2H57DataSetC1ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataSet::DataSet** [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H57DataSetC2ERKNS_10H5L</code> to <code>_ZN2H57DataSetC2ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataSet::DataSet** [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
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1	Parameters list has been changed.	The name of the appropriate symbol for this function changed from <code>_ZN2H57DataSetC1ERKNS_10H5L</code> to <code>_ZN2H57DataSetC1ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in
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[+] **DataSet::DataSet** [not-in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function changed from <code>_ZN2H57DataSetC2Ei</code> to <code>_ZN2H57DataSetC2ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in

[+] **DataSet::DataSet** [in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function changed from <code>_ZN2H57DataSetC1Ei</code> to <code>_ZN2H57DataSetC1ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in

[+] **DataSet::iterateElems** (void* *buf*, DataType const& *type*, DataSpace const& *space*, H5D_operator_t *op*, void* *op_data*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZN2H57DataSet12iterateElemsEPvRKNS_8DataTypeERKNS_9DataS</code> to <code>_ZN2H57DataSet12iterateElemsEPvRKNS_8DataTypeERKNS_9DataS</code> . This may cause "undefined reference" linker error in old client applications

[+] **DataSet::p_setId** (int const *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H57DataSet7p_s</code> to <code>_ZN2H57DataSet7p_setIdE</code> . This may cause "undefined reference" linker error in old client applications.

[+] **f_DataSet_setId** (DataSet* *dset*, int *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H515f_DataSet_</code> to <code>_ZN2H515f_DataSet_setIdEPNS_7DataS</code> . This may cause "undefined reference" linker error in old client applications.

H5DataSpace.h, **libhdf5_cpp.so.11.0.0**

namespace **H5**

[+] **DataSpace::DataSpace** [not-in-charge] (int const *space_id*) (1)

	Change	Effect
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1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H59DataSpaceC2E</code> to <code>_ZN2H59DataSpaceC2EI</code> . This may cause linker error in old client applications.
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[+] **DataSpace::DataSpace** [in-charge] (int const *space_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H59DataSpaceC1E</code> to <code>_ZN2H59DataSpaceC1EI</code> . This may cause linker error in old client applications.

[+] **DataSpace::p_setId** (int const *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H59DataSpace7p_setIdE</code> to <code>_ZN2H59DataSpace7p_setIdEI</code> . This may cause linker error in old client applications.

[+] **f_DataSpace_setId** (DataSpace* *dspace*, int *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H517f_DataSpace_setIdEPNS_9DataSpaceE</code> to <code>_ZN2H517f_DataSpace_setIdEPNS_9DataSpaceEI</code> . This may cause "undefined reference" linker error in old client applications.

H5DataType.h, libhdf5_cpp.so.11.0.0

namespace H5

[+] **DataType::DataType** [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58DataTypeC2ERKNS_9AttributeEPKv10H5R_type_tE</code> to <code>_ZN2H58DataTypeC2ERKNS_9AttributeEPKv10H5R_type_tEI</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::DataType** [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58DataTypeC1ERKNS_9AttributeEPKv10H5R_type_tE</code> to <code>_ZN2H58DataTypeC1ERKNS_9AttributeEPKv10H5R_type_tEI</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::DataType** [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58DataTypeC2ERKNS_10H5L</code> to <code>_ZN2H58DataTypeC2ERKNS_9AttributeEPKv10H5L</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::DataType** [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58DataTypeC1ERKNS_10H5L</code> to <code>_ZN2H58DataTypeC1ERKNS_9AttributeEPKv10H5L</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::DataType** [in-charge] (int const *type_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58DataTypeC1Ei</code> to <code>_ZN2H58DataTypeC1ERKNS_9AttributeEPKv10H5L</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::DataType** [not-in-charge] (int const *type_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58DataTypeC2Ei</code> to <code>_ZN2H58DataTypeC2ERKNS_9AttributeEPKv10H5L</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::p_setId** (int const *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H58DataType7p_setIdEi</code> to <code>_ZN2H58DataType7p_setIdEi</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::registerFunc** (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZNK2H58DataType12registerFuncE10H5T_pers_tPKcRKS0_PFiilP1</code> to <code>_ZNK2H58DataType12registerFuncE10H5T_pers_tPKcRKS0_PFiilP1</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::registerFunc** (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZNK2H58DataType12registerFuncE10H5T_pers_tRKsRKS0_PFiilP11</code> to <code>_ZNK2H58DataType12registerFuncE10H5T_pers_tPKcRKS0_PFiilP11</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::unregister** (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZNK2H58DataType10unregisterE10H5T_pers_tPKcRKS0_PFiilP11</code> to <code>_ZNK2H58DataType10unregisterE10H5T_pers_tPKcRKS0_PFiilP11</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DataType::unregister** (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZNK2H58DataType10unregisterE10H5T_pers_tRKsRKS0_PFiilP11</code> to <code>_ZNK2H58DataType10unregisterE10H5T_pers_tPKcRKS0_PFiilP11</code> . This may cause "undefined reference" linker error in old client applications.

[+] **f_DataType_setId** (DataType* *dtype*, int *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZN2H516f_DataType_setIdEPNS_8D</code> to <code>_ZN2H516f_DataType_setIdEPNS_8D</code> . This may cause "undefined reference" linker error in old client applications.

H5DcreatProp.h, **libhdf5_cpp.so.11.0.0**

namespace **H5**

[+] **DSetCreatPropList::DSetCreatPropList** [in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZN2H517DSetCreatPropListC1EI</code> to <code>_ZN2H517DSetCreatPropListC1EI</code> . This may cause "undefined reference" linker error in old client applications.

[+] **DSetCreatPropList::DSetCreatPropList** [not-in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level has been changed from <code>_ZN2H517DSetCreatPropListC2EI</code> to <code>_ZN2H517DSetCreatPropListC2EI</code> . This may cause "undefined reference" linker error in old client applications.

reference" linker error in old client applicati

H5DxferProp.h, libhdf5_cpp.so.11.0.0

namespace H5

[+] **DSetMemXferPropList::DSetMemXferPropList** [in-charge] (int const *plist_id*) (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this function has been changed from _ZN2H519DSetMemXferPropListC1EI . This may cause "undefined reference" linker error in old client applications.

[+] **DSetMemXferPropList::DSetMemXferPropList** [not-in-charge] (int const *plist_id*) (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this function has been changed from _ZN2H519DSetMemXferPropListC2EI . This may cause "undefined reference" linker error in old client applications.

[+] **DSetMemXferPropList::getTypeConvCB** (H5T_conv_except_func_t* *op*, void** *user_data*) const (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this function on binary level has been changed from _ZNK2H519DSetMemXferPropList13getTypeConvCBEPF14H5T_conv_ret_t17H5T_conv_except_func_t17void**17user_data1E to _ZNK2H519DSetMemXferPropList13getTypeConvCBEPF14H5T_conv_ret_t17H5T_conv_except_func_t17void**17user_data1E . This may cause "undefined reference" linker error in old client applications.

[+] **DSetMemXferPropList::setTypeConvCB** (H5T_conv_except_func_t *op*, void** *user_data*) const (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this function on binary level has been changed from _ZNK2H519DSetMemXferPropList13setTypeConvCBEPF14H5T_conv_ret_t17H5T_conv_except_func_t17void**17user_data1E to _ZNK2H519DSetMemXferPropList13setTypeConvCBEPF14H5T_conv_ret_t17H5T_conv_except_func_t17void**17user_data1E . This may cause "undefined reference" linker error in old client applications.

H5EnumType.h, libhdf5_cpp.so.11.0.0

namespace H5

[+] **EnumType::EnumType** [not-in-charge] (int const *existing_id*) (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this function has been changed from _ZN2H58EnumTypeC2EI . This may cause "undefined reference" linker error in old client applications.

[+] **EnumType::EnumType** [in-charge] (int const *existing_id*) (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this has been changed from <code>_ZN2H58EnumTypeC1E</code> to <code>_ZN2H58EnumTypeC1EI</code> . This may cause linker error in old client applications.

H5Exception.h, [libhdf5_cpp.so.11.0.0](#)
namespace **H5**

[+] **Exception::getAutoPrint** (`H5E_auto2_t& func`, `void** client_data`) [static] (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this has been changed from <code>_ZN2H59Exception12getAutoPrintERPF</code> to <code>_ZN2H59Exception12getAutoPrintERPF</code> . This may cause linker error in old client applications.

[+] **Exception::getMajorString** (`int err_major_id`) const (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this has been changed from <code>_ZNK2H59Exception14getMajorStringEI</code> to <code>_ZNK2H59Exception14getMajorStringEI</code> . This may cause linker error in old client applications.

[+] **Exception::getMinorString** (`int err_minor_id`) const (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this has been changed from <code>_ZNK2H59Exception14getMinorStringEI</code> to <code>_ZNK2H59Exception14getMinorStringEI</code> . This may cause linker error in old client applications.

[+] **Exception::printErrorStack** (`FILE* stream`, `int err_stack`) [static] (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this has been changed from <code>_ZN2H59Exception15printErrorStackEP</code> to <code>_ZN2H59Exception15printErrorStackEP</code> . This may cause linker error in old client applications.

[+] **Exception::setAutoPrint** (`H5E_auto2_t& func`, `void* client_data`) [static] (1)

	Change		Effect
1	Parameters list has been changed.		The name of the appropriate symbol for this has been changed from <code>_ZN2H59Exception12setAutoPrintER</code> to <code>_ZN2H59Exception12setAutoPrintER</code> . This may cause linker error in old client applications.

H5FaccProp.h, [libhdf5_cpp.so.11.0.0](#)

namespace H5

[+] **FileAccPropList::FileAccPropList** [in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H515FileAccPropListC1E</code> . This may cause a linker error in old client applications.

[+] **FileAccPropList::FileAccPropList** [not-in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H515FileAccPropListC2E</code> . This may cause a linker error in old client applications.

[+] **FileAccPropList::getCore** (size_t& *increment*, unsigned int& *backing_store*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZNK2H515FileAccPropList7getCoreER</code> to <code>_ZNK2H515FileAccPropList7getCoreE</code> . This may cause a linker error in old client applications.

[+] **FileAccPropList::setCore** (size_t *increment*, unsigned int *backing_store*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZNK2H515FileAccPropList7setCoreER</code> to <code>_ZNK2H515FileAccPropList7setCoreE</code> . This may cause a linker error in old client applications.

[+] **FileAccPropList::setDriver** (int *new_driver_id*, void const* *new_driver_info*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZNK2H515FileAccPropList9setDriverER</code> to <code>_ZNK2H515FileAccPropList9setDriverE</code> . This may cause a linker error in old client applications.

H5FcreatProp.h, **libhdf5_cpp.so.11.0.0**

namespace H5

[+] **FileCreatPropList::FileCreatPropList** [not-in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H517FileCreatPropListC2E</code> . This may cause a linker error in old client applications.

		reference" linker error in old client applicati	
[+] FileCreatPropList::FileCreatPropList [in-charge] (int const <i>plist_id</i>) (1)			
	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H517FileCreatPropListC1E</code> to <code>_ZN2H517FileCreatPropListC1EI</code> . This may cause "undefined reference" linker error in old client applications.	

H5File.h, libhdf5_cpp.so.11.0.0
namespace H5

[+] H5File::getObjIDs (unsigned int *types*, size_t *max_objs*, int* *oid_list*) **const** (1)

	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZNK2H56H5File9getObjIDsEjmPI</code> to <code>_ZNK2H56H5File9getObjIDsEjmPII</code> . This may cause "undefined reference" linker error in old client applications.	

[+] H5File::H5File [in-charge] (int *existing_id*) (1)

	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H56H5FileC1E</code> to <code>_ZN2H56H5FileC1EI</code> . This may cause "undefined reference" linker error in old client applications.	

[+] H5File::H5File [not-in-charge] (int *existing_id*) (1)

	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H56H5FileC2E</code> to <code>_ZN2H56H5FileC2EI</code> . This may cause "undefined reference" linker error in old client applications.	

[+] H5File::p_setId (int const *new_id*) (1)

	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H56H5File7p_setIdE</code> to <code>_ZN2H56H5File7p_setIdEI</code> . This may cause "undefined reference" linker error in old client applications.	

H5FloatType.h, libhdf5_cpp.so.11.0.0
namespace H5

[+] FloatType::FloatType [not-in-charge] (int const *existing_id*) (1)

	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H59FloatTypeC2E</code> to <code>_ZN2H59FloatTypeC2EI</code> . This may cause "undefined reference" linker error in old client applications.	

[+] **FloatType::FloatType** [in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H59FloatTypeC1E</code> to <code>_ZN2H59FloatTypeC1E1</code> . This may cause linker error in old client applications.

H5Group.h, libhdf5_cpp.so.11.0.0

namespace **H5**

[+] **Group::Group** [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H55GroupC2ERKNS_9AttributeEPKv10H5L</code> to <code>_ZN2H55GroupC2ERKNS_9AttributeEPKv10H5L1</code> . This may cause "undefined reference" linker error.

[+] **Group::Group** [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H55GroupC1ERKNS_9AttributeEPKv10H5L</code> to <code>_ZN2H55GroupC1ERKNS_9AttributeEPKv10H5L1</code> . This may cause "undefined reference" linker error.

[+] **Group::Group** [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H55GroupC2ERKNS_10H5LocationEPKv10H5L</code> to <code>_ZN2H55GroupC2ERKNS_9AttributeEPKv10H5L</code> . This may cause "undefined reference" linker error.

[+] **Group::Group** [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H55GroupC1ERKNS_10H5LocationEPKv10H5L</code> to <code>_ZN2H55GroupC1ERKNS_9AttributeEPKv10H5L</code> . This may cause "undefined reference" linker error.

[+] **Group::Group** [in-charge] (int const *group_id*) (1)

	Change	Effect

1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H55GroupC1Ei</code> to <code>_ZN2H55GroupC1ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in old client applications.
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[+] **Group::Group** [not-in-charge] (int const *group_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H55GroupC2Ei</code> to <code>_ZN2H55GroupC2ERKNS_9AttributeEPKv10H5</code> . This may cause "undefined reference" linker error in old client applications.

[+] **Group::p_setId** (int const *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H55Group7p_setIdEi</code> to <code>_ZN2H55Group7p_setIdEi</code> . This may cause "undefined reference" linker error in old client applications.

H5IdComponent.h, **libhdf5_cpp.so.11.0.0**
namespace **H5**

[+] **IdComponent::decRefCount** (int const *obj_id*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZNK2H511IdComponent11decRefCountEi</code> to <code>_ZNK2H511IdComponent11decRefCountEi</code> . This may cause "undefined reference" linker error in old client applications.

[+] **IdComponent::getCounter** (int const *obj_id*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZNK2H511IdComponent10getCounterEi</code> to <code>_ZNK2H511IdComponent10getCounterEi</code> . This may cause "undefined reference" linker error in old client applications.

[+] **IdComponent::getHDFObjType** (int const *obj_id*) [static] (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H511IdComponent13getHDFObjTypeEi</code> to <code>_ZN2H511IdComponent13getHDFObjTypeEi</code> . This may cause "undefined reference" linker error in old client applications.

[+] **IdComponent::IdComponent** [not-in-charge] (int const *h5_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H511IdComponent11IdComponentEi</code> to <code>_ZN2H511IdComponent11IdComponentEi</code> . This may cause "undefined reference" linker error in old client applications.

		<code>_ZN2H511ldComponentC2E</code> . This may cause linker error in old client applications.	
[+] <code>ldComponent::ldComponent</code> [in-charge] (int const <i>h5_id</i>) (1)			
	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H511ldComponentC1E</code> to <code>_ZN2H511ldComponentC2E</code> . This may cause linker error in old client applications.	
[+] <code>ldComponent::incRefCount</code> (int const <i>obj_id</i>) const (1)			
	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZNK2H511ldComponent11incRefCount</code> to <code>_ZNK2H511ldComponent11incRefCount</code> . This may cause "undefined reference" linker error in old client applications.	
[+] <code>ldComponent::p_valid_id</code> (int const <i>obj_id</i>) [static] (1)			
	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H511ldComponent10p_valid_idE</code> to <code>_ZN2H511ldComponent10p_valid_idE</code> . This may cause "undefined reference" linker error in old client applications.	
[+] <code>ldComponent::setId</code> (int const <i>new_id</i>) (1)			
	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H511ldComponent5setIdE</code> to <code>_ZN2H511ldComponent5setIdE</code> . This may cause "undefined reference" linker error in old client applications.	
H5IntType.h, libhdf5_cpp.so.11.0.0 namespace H5			
[+] <code>IntType::IntType</code> [in-charge] (int const <i>existing_id</i>) (1)			
	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H57IntTypeC1E</code> to <code>_ZN2H57IntTypeC1E</code> . This may cause "undefined reference" linker error in old client applications.	
[+] <code>IntType::IntType</code> [not-in-charge] (int const <i>existing_id</i>) (1)			
	Change		Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function has been changed from <code>_ZN2H57IntTypeC2E</code> to <code>_ZN2H57IntTypeC2E</code> . This may cause "undefined reference" linker error in old client applications.	

H5Location.h, **libhdf5_cpp.so.11.0.0**

namespace **H5**

[+] **H5Location::dereference** (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level h... _ZN2H510H5Location11dereferenceERKNS_9AttributeEPKv10H5... _ZN2H510H5Location11dereferenceERKNS_9AttributeEPKv10H5... This may cause "undefined reference" linker error in old client applica...

[+] **H5Location::dereference** (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on binary level h... _ZN2H510H5Location11dereferenceERKS0_PKv10H5R_type_t to... _ZN2H510H5Location11dereferenceERKNS_9AttributeEPKv10H5... This may cause "undefined reference" linker error in old client applica...

[+] **H5Location::H5Location** [in-charge] (int const *loc_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for thi... been changed from _ZN2H510H5Location... _ZN2H510H5LocationC1EI. This may cau... linker error in old client applications.

[+] **H5Location::H5Location** [not-in-charge] (int const *loc_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for thi... been changed from _ZN2H510H5Location... _ZN2H510H5LocationC2EI. This may cau... linker error in old client applications.

[+] **H5Location::p_dereference** (int *loc_id*, void const* *ref*, enum H5R_type_t *ref_type*, char const* *from_func*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this function on b... from _ZN2H510H5Location13p_dereferenceEiPKv10H... _ZN2H510H5Location13p_dereferenceEiPKv10H5R_t... This may cause "undefined reference" linker error in old c...

[+] **H5Location::p_reference** (void* *ref*, char const* *name*, int *space_id*, enum H5R_type_t *ref_type*) const (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for thi... been changed from _ZNK2H510H5Location11p_referenceEP...

_ZNK2H510H5Location11p reference error
may cause "undefined reference" linker error

H5Object.h, libhdf5_cpp.so.11.0.0

namespace **H5**

[+] **H5Object::H5Object** [not-in-charge] (int const *object_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from _ZN2H58H5ObjectC2 . This may cause "undefined reference" linker error in old client applications.

[+] **H5Object::H5Object** [in-charge] (int const *object_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from _ZN2H58H5ObjectC1 . This may cause "undefined reference" linker error in old client applications.

H5OcreatProp.h, libhdf5_cpp.so.11.0.0

namespace **H5**

[+] **ObjCreatPropList::ObjCreatPropList** [in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from _ZN2H516ObjCreatPropListC1EI . This may cause "undefined reference" linker error in old client applications.

[+] **ObjCreatPropList::ObjCreatPropList** [not-in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from _ZN2H516ObjCreatPropListC2EI . This may cause "undefined reference" linker error in old client applications.

H5PacketTable.h, libhdf5_hl_cpp.so.11.0.0

[+] **FL_PacketTable::FL_PacketTable** [in-charge] (int *fileID*, char const* *name*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from _ZN14FL_PacketTableD1Ev . This may cause "undefined reference" linker error in old client applications.

[+] **FL_PacketTable::FL_PacketTable** [not-in-charge] (int *fileID*, char const* *name*) (1)

	Change	Effect
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1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN14FL_PacketTableD1Ev</code> . This may cause linker error in old client applications.
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[+] **FL_PacketTable::FL_PacketTable** [not-in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN14FL_PacketTableD1Ev</code> . This may cause linker error in old client applications.

[+] **FL_PacketTable::FL_PacketTable** [in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN14FL_PacketTableD1Ev</code> . This may cause linker error in old client applications.

[+] **PacketTable::PacketTable** [in-charge] (int *fileID*, char const* *name*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN11PacketTableC1_ZN11PacketTableD0Ev</code> . This may cause error in old client applications.

[+] **PacketTable::PacketTable** [not-in-charge] (int *fileID*, char const* *name*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN11PacketTableC2_ZN11PacketTableD0Ev</code> . This may cause error in old client applications.

H5PredType.h, libhdf5_cpp.so.11.0.0
namespace **H5**

[+] **PredType::PredType** [in-charge] (int const *predtype_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H58PredTypeC1_ZN2H58PredTypeC1Ei</code> . This may cause error in old client applications.

[+] **PredType::PredType** [not-in-charge] (int const *predtype_id*) (1)

	Change	Effect
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1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H58PredTypeC2E</code> to <code>_ZN2H58PredTypeC2EI</code> . This may cause linker error in old client applications.
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H5PropList.h, **libhdf5_cpp.so.11.0.0**
namespace **H5**

[+] **f_PropList_setId** (PropList* *plist*, int *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H516f_PropListE</code> to <code>_ZN2H516f_PropList_setIdEPS_8PropListE</code> . This may cause "undefined reference" linker error in old client applications.

[+] **PropList::p_setId** (int const *new_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H58PropList7p_setIdE</code> to <code>_ZN2H58PropList7p_setIdEI</code> . This may cause linker error in old client applications.

[+] **PropList::PropList** [in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H58PropListC1E</code> to <code>_ZN2H58PropListC1EI</code> . This may cause "undefined reference" linker error in old client applications.

[+] **PropList::PropList** [not-in-charge] (int const *plist_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H58PropListC2E</code> to <code>_ZN2H58PropListC2EI</code> . This may cause "undefined reference" linker error in old client applications.

H5StrType.h, **libhdf5_cpp.so.11.0.0**
namespace **H5**

[+] **StrType::StrType** [in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H57StrTypeC1E</code> to <code>_ZN2H57StrTypeC1EI</code> . This may cause "undefined reference" linker error in old client applications.

[+] **StrType::StrType** [not-in-charge] (int const *existing_id*) (1)

	Change	Effect
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1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H57StrTypeC2E</code> . This may cause "undefined reference" linker applications.
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H5VarLenType.h, **libhdf5_cpp.so.11.0.0**
namespace **H5**

[+] **VarLenType::VarLenType** [in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H510VarLenTypeC1E</code> to <code>_ZN2H510VarLenTypeC2E</code> . This may cause linker error in old client applications.

[+] **VarLenType::VarLenType** [not-in-charge] (int const *existing_id*) (1)

	Change	Effect
1	Parameters list has been changed.	The name of the appropriate symbol for this has been changed from <code>_ZN2H510VarLenTypeC1E</code> to <code>_ZN2H510VarLenTypeC2E</code> . This may cause linker error in old client applications.

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Problems with Data Types, Medium Severity (24)

H5ACpublic.h

[+] struct **H5AC_cache_config_t** (9)

	Change	Effect
1	Size of field apply_empty_reserve has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.
2	Size of field apply_max_decrement has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.
3	Size of field apply_max_increment has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.
4	Size of field close_trace_file has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.
5	Size of field evictions_enabled has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.
6	Size of field open_trace_file has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.
7	Size of field rpt_fcn_enabled has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.

8	Size of field set_initial_size has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.
9	Type of field dirty_bytes_threshold has been changed from int (4 bytes) to size_t (8 bytes).	1) Size of the inclusive type has been changed. 2) Previous accesses of applications and libraries and fields at higher positions of the structure may be broken.

H5Apublic.h

[+] struct H5A_info_t (1)

	Change	Effect
1	Size of field coder_valid has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.

H5Attribute.h

namespace H5

[+] class Attribute (1)

	Change	Effect
1	Virtual method Attribute::p_setId (long const) has been added to this class instead of Attribute::p_setId (int const).	Applications will pass parameters of older methods to the newly added virtual method. This may result in crashes in older applications.

Offset	Virtual Table (Old) - 11 entries	Virtual Table (New) - 11 entries
0	(int (*)(...))0	(int (*)(...))0
8	(int (*)(...))(& typeinfo)	(int (*)(...))(& typeinfo)
16	Attribute::getInMemDataSize	Attribute::getInMemDataSize
24	Attribute::getSpace	Attribute::getSpace
32	Attribute::getStorageSize	Attribute::getStorageSize
40	~Attribute	~Attribute
48	~Attribute	~Attribute
56	Attribute::p_get_type	Attribute::p_get_type
64	Attribute::close	Attribute::close
72	Attribute::getId	Attribute::getId
80	Attribute::p_setId	Attribute::p_setId

H5CommonFG.h

namespace H5

[+] class CommonFG (1)

	Change		Effect
1	Pure virtual method CommonFG::p_setId (long const) has been added to this class instead of CommonFG::p_setId (int const).		Applications will provide an older method to expected newly added virtual method. This is the incorrect behavior of applications.
	Offset	Virtual Table (Old) - 7 entries	Virtual Table (New) - 7 entries
	0	(int (*)(...))0	(int (*)(...))0
	8	(int (*)(...))(& typeinfo)	(int (*)(...))(& typeinfo)
	16	__cxa_pure_virtual	__cxa_pure_virtual
	24	__cxa_pure_virtual	__cxa_pure_virtual
	32	~CommonFG	~CommonFG
	40	~CommonFG	~CommonFG
	48	__cxa_pure_virtual	__cxa_pure_virtual

H5DataType.h

namespace H5

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

	Change		Effect
1	Size of field id has been changed from 4 bytes to 8 bytes.		Previous accesses of applications and libraries may be broken.

H5Dpublic.h

[+] enum **H5D_layout_t** (1)

	Change		Effect
1	Value of member H5D_NLAYOUTS has been changed from 3 to 4 .		Applications may execute a wrong branch and therefore change the behavior.

H5FDpublic.h

[+] struct **H5FD_class_t** (1)

	Change		Effect
1	Field terminate has been added at the middle position of this structural type.		1) Size of the inclusive type has been changed. 2) Layout of structure fields has been changed. Fields at higher positions of the structure definition may be affected by applications.

[+] struct **H5FD_t** (2)

	Change		Effect

1	Field swmr_read has been added at the middle position of this structural type.	1) Size of the inclusive type has been changed. 2) Layout of structure fields has been changed at higher positions of the structure definition may be broken by applications.
2	Size of field driver_id has been changed from 4 bytes to 8 bytes.	1) Size of the inclusive type has been changed. 2) Previous accesses of applications and libraries may be broken and fields at higher positions of the structure definition may be broken.

H5Gpublic.h

[+] struct H5G_info_t (1)

	Change	Effect
1	Size of field mounted has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.

H5IdComponent.h

namespace H5

[+] class IdComponent (1)

	Change	Effect
1	Pure virtual method IdComponent::p_setId (long const) has been added to this class instead of IdComponent::p_setId (int const).	Applications will provide an older method to be expected newly added virtual method. This may cause incorrect behavior of applications.

Offset	Virtual Table (Old) - 8 entries	Virtual Table (New) - 8 entries
0	(int (*)(...))0	(int (*)(...))0
8	(int (*)(...))(& typeinfo)	(int (*)(...))(& typeinfo)
16	__cxa_pure_virtual	__cxa_pure_virtual
24	__cxa_pure_virtual	__cxa_pure_virtual
32	IdComponent::fromClass	IdComponent::fromClass
40	~IdComponent	~IdComponent
48	~IdComponent	~IdComponent
56	__cxa_pure_virtual	__cxa_pure_virtual

H5Location.h

namespace H5

[+] class H5Location (1)

	Change	Effect
1	Pure virtual method H5Location::p_setId (long const) has	Applications will provide an older method to be expected newly added virtual method. This may cause incorrect behavior of applications.

been added to this class instead of **H5Location::p_setId** (int const).

expected newly added **virtual** method. This causes incorrect behavior of applications.

Offset	Virtual Table (Old) - 8 entries	Virtual Table (New) - 8 entries
0	(int (*)(...))0	(int (*)(...))0
8	(int (*)(...))(& typeinfo)	(int (*)(...))(& typeinfo)
16	__cxa_pure_virtual	__cxa_pure_virtual
24	__cxa_pure_virtual	__cxa_pure_virtual
32	IdComponent::fromClass	IdComponent::fromClass
40	~H5Location	~H5Location
48	~H5Location	~H5Location
56	__cxa_pure_virtual	__cxa_pure_virtual

H5Lpublic.h

[+] struct H5L_info_t (1)

	Change	Effect
1	Size of field border_valid has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries may be broken.

H5PacketTable.h

[+] class PacketTable (1)

	Change	Effect
1	Size of field table_id has been changed from 4 bytes to 8 bytes.	1) Size of the inclusive type has been changed. 2) Previous accesses of applications and libraries may be broken.

H5PropList.h

namespace H5

[+] class PropList (1)

	Change	Effect
1	Size of field id has been changed from 4 bytes to 8 bytes.	Previous accesses of applications and libraries may be broken.

H5Tpublic.h

[+] struct H5T_cdata_t (1)

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

1	Size of field recalc has been changed from 4 bytes to 1 byte.	Previous accesses of applications and libraries will be broken.
---	--	---

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Problems with Symbols, Medium Severity (265)

H5Epubgen.h, **libhdf5.so.10.1.0**

[+] **H5E_ALIGNMENT_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_ALREADYEXISTS_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_ALREADYINIT_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_ARGS_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_ATOM_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_ATTR_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_BADATOM_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_BADFILE_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] **H5E_BADGROUP_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and may crash.

[+] H5E_BADITER_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_BADMSG_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_BADRANGE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_BADSELECT_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_BADSIZE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_BADTYPE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_BADVALUE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_BTREE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CACHE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CALLBACK_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANAPPLY_g [data] (1)			
	Change		Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTALLOC_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTATTACH_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCLIP_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCLOSEFILE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCLOSEOBJ_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCOMPARE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCOMPUTE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCONVERT_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCOPY_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCOUNT_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTCREATE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTDEC_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTDECODE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTDELETE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTDIRTY_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTENCODE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTEXPUNGE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTEXTEND_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTFILTER_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTFLUSH_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTFREE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] H5E_CANTGC_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTGET_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTGETSIZE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTINC_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTINIT_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTINS_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTINSERT_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTLIST_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTLOAD_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTLOCK_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTMARKDIRTY_g [data] (1)		
	Change	Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTMERGE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTMODIFY_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTMOVE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTNEXT_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTOPENFILE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTOPENOBJ_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTOPERATE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTPACK_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTPIN_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTPROTECT_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_CANTRECV_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTREDISTRIBUTE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTREGISTER_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTRELEASE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTREMOVE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTRENAME_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTRESET_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTRESIZE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTRESTORE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTREVIVE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	
[+] H5E_CANTSELECT_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] H5E_CANTSERIALIZE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTSET_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTSHRINK_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTSORT_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTSPLIT_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTSWAP_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTUNLOCK_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTUNPIN_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTUNPROTECT_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CANTUPDATE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_CLOSEERROR_g [data] (1)		
	Change	Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_COMPLEN_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_DATASET_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_DATASPACE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_DATATYPE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_DUPCLASS_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_EFL_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_ERROR_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_EXISTS_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_FCNTL_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_FILE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_FILEEXISTS_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_FILEOPEN_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_FSPACE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_FUNC_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_HEAP_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_INTERNAL_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_IO_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_LINK_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_LINKCOUNT_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_MOUNT_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5E_MPI_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] H5E_MPIERRSTR_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NLINKS_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NOENCODER_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NOFILTER_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NOIDS_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NONE_MAJOR_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NONE_MINOR_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NOSPACE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NOTCACHED_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NOTFOUND_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_NOTHDF5_g [data] (1)		
	Change	Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5E_NOTREGISTERED_g** [data] (1)

	Change	Effect
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1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5E_OBJOPEN_g** [data] (1)

	Change	Effect
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1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5E_OHDR_g** [data] (1)

	Change	Effect
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1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_OPENERROR_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_OVERFLOW_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_PATH_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5E_PLINE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5E_PLIST_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_PLUGIN_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5E_PROTECT_g** [data] (1)

	Change	Effect
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1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5E_READERROR_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_REFERENCE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_RESOURCE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_RS_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_SEEKERROR_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_SETDISALLOWED_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_SETLOCAL_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_SLIST_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_SOHM_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_STORAGE_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an
[+] H5E_SYM_g [data] (1)			
	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.		Applications will obtain a different value an

[+] H5E_SYSERRSTR_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_SYSTEM_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_TRAVERSE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_TRUNCATED_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_TST_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_UNINITIALIZED_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_UNSUPPORTED_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_VERSION_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_VFL_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5E_WRITEERROR_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
H5Epublic.h, libhdf5.so.10.1.0		
[+] H5E_ERR_CLS_g [data] (1)		

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

H5FDpublic.h, libhdf5.so.10.1.0

[+] **H5FDget_eof (H5FD_t* file) (1)**

	Change		Effect
1	Parameter type of type H5FD_mem_t has been added to the calling stack.	This parameter will not be initialized by old	

H5Ppublic.h, libhdf5.so.10.1.0

[+] **H5P_CLS_ATTRIBUTE_CREATE_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_CLS_DATASET_ACCESS_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_CLS_DATASET_CREATE_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_CLS_DATASET_XFER_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_CLS_DATATYPE_ACCESS_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_CLS_DATATYPE_CREATE_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_CLS_FILE_ACCESS_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_CLS_FILE_CREATE_ID_g [data] (1)**

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] H5P_CLS_FILE_MOUNT_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_GROUP_ACCESS_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_GROUP_CREATE_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_LINK_ACCESS_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_LINK_CREATE_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_OBJECT_COPY_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_OBJECT_CREATE_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_ROOT_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_CLS_STRING_CREATE_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_LST_ATTRIBUTE_CREATE_ID_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5P_LST_DATASET_ACCESS_ID_g [data] (1)		
	Change	Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_DATASET_CREATE_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_DATASET_XFER_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_DATATYPE_ACCESS_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_DATATYPE_CREATE_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_FILE_ACCESS_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_FILE_CREATE_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_FILE_MOUNT_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5P_LST_GROUP_ACCESS_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_GROUP_CREATE_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_LINK_ACCESS_ID_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5P_LST_LINK_CREATE_ID_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5P_LST_OBJECT_COPY_ID_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

H5Tpublic.h, libhdf5.so.10.1.0

[+] **H5T_C_S1_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_FORTRAN_S1_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_IEEE_F32BE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_IEEE_F32LE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_IEEE_F64BE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_IEEE_F64LE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_B16_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_B32_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_B64_g** [data] (1)

	Change		Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_B8_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_DOUBLE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_FLOAT_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_HADDR_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_HBOOL_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_HERR_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_HSIZE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_HSSIZE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_INT16_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_INT32_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_INT64_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT8_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_FAST16_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_FAST32_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_FAST64_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_FAST8_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_LEAST16_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_LEAST32_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_LEAST64_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_INT_LEAST8_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_LDOUBLE_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_LLONG_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_LONG_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_OPAQUE_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_SCHAR_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_SHORT_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_UCHAR_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_UINT16_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_UINT32_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_UINT64_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an

[+] **H5T_NATIVE_UINT8_g** [data] (1)

	Change	Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_UINT_FAST16_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_UINT_FAST32_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_UINT_FAST64_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_UINT_FAST8_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
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[+] **H5T_NATIVE_UINT_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_UINT_LEAST16_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_UINT_LEAST32_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_UINT_LEAST64_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_UINT_LEAST8_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_ULLONG_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_NATIVE_ULONG_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_NATIVE_USHORT_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B16BE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B16LE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B32BE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B32LE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B64BE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B64LE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B8BE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_B8LE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] **H5T_STD_I16BE_g** [data] (1)

	Change		Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an	

[+] H5T_STD_I16LE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_I32BE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_I32LE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_I64BE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_I64LE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_I8BE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_I8LE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_REF_DSETREG_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_REF_OBJ_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_U16BE_g [data] (1)		
	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
[+] H5T_STD_U16LE_g [data] (1)		
	Change	Effect

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_STD_U32BE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_STD_U32LE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_STD_U64BE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_STD_U64LE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_STD_U8BE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_STD_U8LE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_UNIX_D32BE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_UNIX_D32LE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_UNIX_D64BE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_UNIX_D64LE_g** [data] (1)

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

1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value an
---	--	---

[+] **H5T_VAX_F32_g** [data] (1)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and

[+] [H5T_VAX_F64_g \[data\] \(1\)](#)

	Change	Effect
1	Size of this global data has been changed from 4 bytes to 8 bytes.	Applications will obtain a different value and

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Problems with Data Types, Low Severity (12)

H5ACpublic.h

[+] [struct H5AC_cache_config_t \(1\)](#)

	Change	Effect
1	Size of this type has been changed from 1224 bytes to 1216 bytes.	The fields or parameters of such data type or accessed by old client applications.

H5Epublic.h

[+] [typedef H5E_major_t \(1\)](#)

	Change	Effect
1	Base type has been changed from int to long .	Replacement of the base data type may indicate semantic meaning.

[+] [typedef H5E_minor_t \(1\)](#)

	Change	Effect
1	Base type has been changed from int to long .	Replacement of the base data type may indicate semantic meaning.

H5FDpublic.h

[+] [struct H5FD_class_t \(4\)](#)

	Change	Effect
1	Size of this type has been changed from 272 bytes to 280 bytes.	The fields or parameters of such data type or accessed by old client applications.
2	Base type of field get_eof has been changed from haddr_t*(H5FD_t const*) to haddr_t*(H5FD_t const*,H5FD_mem_t) .	Replacement of field base type may indicate meaning of the field.
3	Base type of field lock has been changed from herr_t*(H5FD_t*,unsigned char*,unsigned int,hbool_t) to herr_t*(H5FD_t*,hbool_t) .	Replacement of field base type may indicate meaning of the field.
4	Base type of field unlock has been changed from herr_t*(H5FD_t*,unsigned char*,hbool_t) to	Replacement of field base type may indicate meaning of the field.

`herr_t*)(H5FD_t*).`

[+] [struct H5FD_t \(1\)](#)

	Change	Effect
1	Size of this type has been changed from 64 bytes to 72 bytes.	The fields or parameters of such data type or accessed by old client applications.

H5lpublic.h

[+] [typedef hid_t \(2\)](#)

	Change	Effect
1	Size of this type has been changed from 4 bytes to 8 bytes.	The fields or parameters of such data type or accessed by old client applications.
2	Base type has been changed from int to long .	Replacement of the base data type may in semantic meaning.

H5public.h

[+] [typedef hbool_t \(2\)](#)

	Change	Effect
1	Size of this type has been changed from 4 bytes to 1 byte.	The fields or parameters of such data type or accessed by old client applications.
2	Base type has been changed from unsigned int to bool .	Replacement of the base data type may in semantic meaning.

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Problems with Constants, Low Severity (14)

H5FDpublic.h

[+] [H5FD_FEAT_DIRTY_SBLK_LOAD](#)

	Change	Effect
1	The constant H5FD_FEAT_DIRTY_SBLK_LOAD with value 0x00000040 has been removed.	The value of this constant may no longer be used in old version library functions.

H5lpublic.h

[+] [H5_SIZEOF_HID_T](#)

	Change	Effect
1	The value of constant H5_SIZEOF_HID_T has been changed from 4 to 8 .	Applications will pass an old value of this constant to the new-version library functions, that expect the new value. This may result in crash or incorrect behavior of application.

H5pubconf.h

[+] [H5_CLEAR_MEMORY](#)

	Change		Effect
1	The constant H5_CLEAR_MEMORY with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_FSEEKO**

	Change		Effect
1	The constant H5_HAVE_FSEEKO with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_FSEEKO64**

	Change		Effect
1	The constant H5_HAVE_FSEEKO64 with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_FSTAT64**

	Change		Effect
1	The constant H5_HAVE_FSTAT64 with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_FTELLO**

	Change		Effect
1	The constant H5_HAVE_FTELLO with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_FTELLO64**

	Change		Effect
1	The constant H5_HAVE_FTELLO64 with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_FTRUNCATE64**

	Change		Effect
1	The constant H5_HAVE_FTRUNCATE64 with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_LSEEK64**

	Change		Effect
1	The constant H5_HAVE_LSEEK64 with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_STAT64**

	Change		Effect
1	The constant H5_HAVE_STAT64 with value 1 has been removed.		The value of this constant may no longer be used in version library functions.

[+] **H5_HAVE_STAT_ST_BLOCKS**

	Change		Effect
1	The constant H5_HAVE_STAT_ST_BLOCKS with value 1 has been removed.		The value of this constant may no longer be used in newer version library functions.

[+] **H5_SIZEOF_OFF64_T**

	Change		Effect
1	The constant H5_SIZEOF_OFF64_T with value 8 has been removed.		The value of this constant may no longer be used in newer version library functions.

[+] **H5_SYSTEM_SCOPE_THREADS**

	Change		Effect
1	The constant H5_SYSTEM_SCOPE_THREADS with value 1 has been removed.		The value of this constant may no longer be used in newer version library functions.

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Other Changes in Data Types (1)

H5Dpublic.h

[+] **enum H5D_layout_t (1)**

	Change		Effect
1	The member H5D_VIRTUAL with value 3 has been added.		No effect.

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Other Changes in Constants (31)

H5Dpublic.h

[+] **H5D_CHUNK_BTREE**

	Change		Effect
1	The constant H5D_CHUNK_BTREE with value 0 has been added.		No effect.

[+] **H5D_CHUNK_DONT_FILTER_PARTIAL_CHUNKS**

	Change		Effect
1	The constant H5D_CHUNK_DONT_FILTER_PARTIAL_CHUNKS with value (0x0002u) has been added.		No effect.

H5FDpublic.h

[+] **H5FD_FEAT_DIRTY_DRVINFO_LOAD**

	Change		Effect
1	The constant H5FD_FEAT_DIRTY_DRVINFO_LOAD with value 0x00000040 has been added.		No effect.

[+] **H5FD_FEAT_SUPPORTS_SWMR_IO**

	Change		Effect
1	The constant H5FD_FEAT_SUPPORTS_SWMR_IO with value 0x00001000 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_DBLK_PAGE**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_DBLK_PAGE with value 5 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_DBLOCK**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_DBLOCK with value 5 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_HDR**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_HDR with value 6 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_IBLOCK**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_IBLOCK with value 6 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_SBLOCK**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_SBLOCK with value 2 has been added.	No effect.	

[+] **H5FD_MEM_FARRAY_DBLK_PAGE**

	Change		Effect
1	The constant H5FD_MEM_FARRAY_DBLK_PAGE with value 5 has been added.	No effect.	

[+] **H5FD_MEM_FARRAY_DBLOCK**

	Change		Effect
1	The constant H5FD_MEM_FARRAY_DBLOCK with value 5 has been added.	No effect.	

[+] **H5FD_MEM_FARRAY_HDR**

	Change		Effect
1	The constant H5FD_MEM_FARRAY_HDR with value 6 has been added.	No effect.	

H5Fpublic.h**[+] H5F_NUM_METADATA_READ_RETRY_TYPES**

	Change		Effect
1	The constant H5F_NUM_METADATA_READ_RETRY_TYPES with value 21 has been added.	No effect.	

H5pubconf.h**[+] H5_FORTRAN_C_LONG_DOUBLE_IS_UNIQUE**

	Change		Effect
1	The constant H5_FORTRAN_C_LONG_DOUBLE_IS_UNIQUE with value 1 has been added.	No effect.	

[+] H5_FORTRAN_HAVE_C_LONG_DOUBLE

	Change		Effect
1	The constant H5_FORTRAN_HAVE_C_LONG_DOUBLE with value 1 has been added.	No effect.	

[+] H5_FORTRAN_HAVE_C_SIZEOF

	Change		Effect
1	The constant H5_FORTRAN_HAVE_C_SIZEOF with value 1 has been added.	No effect.	

[+] H5_FORTRAN_HAVE_SIZEOF

	Change		Effect
1	The constant H5_FORTRAN_HAVE_SIZEOF with value 1 has been added.	No effect.	

[+] H5_FORTRAN_HAVE_STORAGE_SIZE

	Change		Effect
1	The constant H5_FORTRAN_HAVE_STORAGE_SIZE with value 1 has been added.	No effect.	

[+] H5_FORTRAN_SIZEOF_LONG_DOUBLE

	Change		Effect
1	The constant H5_FORTRAN_SIZEOF_LONG_DOUBLE with value "16" has been added.	No effect.	

[+] H5_HAVE_FCNTL

	Change		Effect
1	The constant H5_HAVE_FCNTL with value 1 has been added.	No effect.	

[+] H5_HAVE_FLOAT128

	Change		Effect

1	The constant H5_HAVE_FLOAT128 with value 1 has been added.	No effect.	
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[+] **H5_HAVE_FLOCK**

	Change		Effect
1	The constant H5_HAVE_FLOCK with value 1 has been added.	No effect.	

[+] **H5_HAVE_Fortran_INTEGER_SIZEOF_16**

	Change		Effect
1	The constant H5_HAVE_Fortran_INTEGER_SIZEOF_16 with value 1 has been added.	No effect.	

[+] **H5_PAC_C_MAX_REAL_PRECISION**

	Change		Effect
1	The constant H5_PAC_C_MAX_REAL_PRECISION with value 33 has been added.	No effect.	

[+] **H5_PAC_FC_MAX_REAL_PRECISION**

	Change		Effect
1	The constant H5_PAC_FC_MAX_REAL_PRECISION with value 34 has been added.	No effect.	

[+] **H5_SIZEOF__FLOAT128**

	Change		Effect
1	The constant H5_SIZEOF__FLOAT128 with value 16 has been added.	No effect.	

[+] **H5_SIZEOF__QUAD**

	Change		Effect
1	The constant H5_SIZEOF__QUAD with value 0 has been added.	No effect.	

[+] **H5_SIZEOF_BOOL**

	Change		Effect
1	The constant H5_SIZEOF_BOOL with value 1 has been added.	No effect.	

H5public.h

[+] **HSIZE_UNDEF**

	Change		Effect
1	The constant HSIZE_UNDEF with value ((hsize_t)(hssize_t)(-1)) has been added.	No effect.	

H5version.h

[+] **H5Fget_info_vers**

	Change		Effect
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1	The constant H5Fget_info_vers with value 2 has been added.	No effect.	
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[+] **H5Rdereference_vers**

	Change		Effect
1	The constant H5Rdereference_vers with value 2 has been added.	No effect.	

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Header Files (77)

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
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 (6)

libhdf5.so.10.1.0
libhdf5_cpp.so.11.0.0
libhdf5_fortran.so.10.0.2
libhdf5_hl.so.10.0.2

libhdf5_hl_cpp.so.11.0.0
libhdf5hl_fortran.so.10.0.2

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Test Info

Library Name	hdf5
Version #1	1.8.16
Version #2	1.10.0
CPU Type	x86_64
GCC Version	4.8.5
Subject	Source Compatibility

Test Results

Total Header Files	77
Total Shared Libraries	6
Total Symbols / Types	1851 / 541
Verdict	Incompatible (3.5%)

Problem Summary

	Severity	Count
Added Symbols	-	200
Removed Symbols	High	116
Problems with Data Types	High	0
	Medium	0
	Low	10
Problems with Symbols	High	0
	Medium	112
	Low	0
Problems with Constants	Low	29
Other Changes in Data Types	-	2

Added Symbols (200)

H5ArrayType.h

namespace H5

ArrayType::ArrayType [in-charge] (long const *existing_id*)

ArrayType::ArrayType [not-in-charge] (long const *existing_id*)

ArrayType::operator = (ArrayType const& *rhs*)

ArrayType::setArrayInfo ()

H5AtomType.h

namespace H5

AtomType::AtomType [in-charge] (long const *existing_id*)

AtomType::AtomType [not-in-charge] (long const *existing_id*)

H5Attribute.h

namespace H5

Attribute::Attribute [in-charge] (long const *attr_id*)

Attribute::Attribute [not-in-charge] (long const *attr_id*)

Attribute::p_setId (long const *new_id*)

f_Attribute_setId (Attribute* *attr*, long *new_id*)

H5CommonFG.h

namespace H5

CommonFG::getObjinfo (char const* *name*, bool *follow_link*, H5G_stat_t& *statbuf*)
const

CommonFG::getObjinfo (int const& *name*, bool *follow_link*, H5G_stat_t& *statbuf*)
const

CommonFG::iterateElems (char const* *name*, int* *idx*, H5G_iterate_t *op*, void*
op_data)

CommonFG::iterateElems (int const& *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*)
)

H5CompType.h

namespace H5

CompType::CompType [in-charge] (long const *existing_id*)

CompType::CompType [not-in-charge] (long const *existing_id*)

H5DataSet.h

namespace H5

DataSet::DataSet [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t
ref_type, PropList const& *plist*)

DataSet::DataSet [in-charge] (H5Location const& *loc*, void const* *ref*, enum
H5R_type_t *ref_type*, PropList const& *plist*)

DataSet::DataSet [in-charge] (long const *existing_id*)
DataSet::DataSet [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataSet::DataSet [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataSet::DataSet [not-in-charge] (long const *existing_id*)
DataSet::iterateElems (void* *buf*, DataType const& *type*, DataSpace const& *space*, H5D_operator_t *op*, void* *op_data*)
DataSet::p_setId (long const *new_id*)
f_DataSet_setId (DataSet* *dset*, long *new_id*)

H5DataSpace.h

namespace H5

DataSpace::DataSpace [in-charge] (long const *space_id*)
DataSpace::DataSpace [not-in-charge] (long const *space_id*)
DataSpace::p_setId (long const *new_id*)
f_DataSpace_setId (DataSpace* *dspace*, long *new_id*)

H5DataType.h

namespace H5

DataType::DataType [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [in-charge] (long const *type_id*)
DataType::DataType [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
DataType::DataType [not-in-charge] (long const *type_id*)
DataType::p_setId (long const *new_id*)
DataType::registerFunc (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
DataType::registerFunc (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
DataType::unregister (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
DataType::unregister (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**
f_DataType_setId (DataType* *dtype*, long *new_id*)

H5DcreatProp.h

namespace H5

DSetCreatPropList::DSetCreatPropList [in-charge] (long const *plist_id*)
DSetCreatPropList::DSetCreatPropList [not-in-charge] (long const *plist_id*)

H5Dpublic.h

H5DAppend (long *dset_id*, long *dxpl_id*, unsigned int *axis*, size_t *extension*, long *memtype*, void const* *buf*)

H5Dpublic.h

H5Dflush (long *dset_id*)

H5Dformat_convert (long *dset_id*)

H5Dget_chunk_index_type (long *did*, H5D_chunk_index_t* *idx_type*)

H5Drefresh (long *dset_id*)

H5DxferProp.h

namespace H5

DSetMemXferPropList::DSetMemXferPropList [in-charge] (long const *plist_id*)

DSetMemXferPropList::DSetMemXferPropList [not-in-charge] (long const *plist_id*)

DSetMemXferPropList::getTypeConvCB (H5T_conv_except_func_t* *op*, void** *user_data*) const

DSetMemXferPropList::setTypeConvCB (H5T_conv_except_func_t *op*, void* *user_data*) const

H5EnumType.h

namespace H5

EnumType::EnumType [in-charge] (long const *existing_id*)

EnumType::EnumType [not-in-charge] (long const *existing_id*)

H5Epubgen.h

H5E_CANTAPPEND_g [data]

H5E_CANTCORK_g [data]

H5E_CANTDEPEND_g [data]

H5E_CANTNOTIFY_g [data]

H5E_CANTTAG_g [data]

H5E_CANTUNCORK_g [data]

H5E_CANTUNDEPEND_g [data]

H5E_EARRAY_g [data]

H5E_FARRAY_g [data]

H5E_LOGFAIL_g [data]

H5Exception.h

namespace H5

Exception::getAutoPrint (H5E_auto2_t& *func*, void** *client_data*) [static]

Exception::getMajorString (long *err_major_id*) const

Exception::getMinorString (long *err_minor_id*) const

Exception::printErrorStack (FILE* *stream*, long *err_stack*) [static]

Exception::setAutoPrint (H5E_auto2_t& *func*, void* *client_data*) [static]

H5FaccProp.h

namespace H5

FileAccPropList::FileAccPropList [in-charge] (long const *plist_id*)

FileAccPropList::FileAccPropList [not-in-charge] (long const *plist_id*)

FileAccPropList::getCore (size_t& *increment*, bool& *backing_store*) const

FileAccPropList::setCore (size_t *increment*, bool *backing_store*) const

FileAccPropList::setDriver (long *new_driver_id*, void const* *new_driver_info*) const

H5FcreatProp.h

namespace H5

FileCreatPropList::FileCreatPropList [in-charge] (long const *plist_id*)

FileCreatPropList::FileCreatPropList [not-in-charge] (long const *plist_id*)

H5FDpublic.h

H5FDlock (H5FD_t* *file*, bool *rw*)

H5FDunlock (H5FD_t* *file*)

H5File.h

namespace H5

H5File::getObjIDs (unsigned int *types*, size_t *max_objs*, long* *oid_list*) const

H5File::H5File [in-charge] (long *existing_id*)

H5File::H5File [not-in-charge] (long *existing_id*)

H5File::p_setId (long const *new_id*)

H5FloatType.h

namespace H5

FloatType::FloatType [in-charge] (long const *existing_id*)

FloatType::FloatType [not-in-charge] (long const *existing_id*)

H5Fpublic.h

H5Fformat_convert (long *fid*)

H5Fget_free_sections (long *file_id*, H5F_mem_t *type*, size_t *nsects*, H5F_sect_info_t* *sect_info*)

H5Fget_info1 (long *obj_id*, H5F_info1_t* *info*)

H5Fget_info2 (long *obj_id*, H5F_info2_t* *info*)

H5Fget_mdc_logging_status (long *file_id*, bool* *is_enabled*, bool* *is_currently_logging*)

H5Fget_metadata_read_retry_info (long *file_id*, H5F_retry_info_t* *info*)

H5Fstart_mdc_logging (long *file_id*)

H5Fstart_swmr_write (long *file_id*)

H5Fstop_mdc_logging (long *file_id*)

H5Gpublic.h

H5Gflush (long *group_id*)

H5Grefresh (long *group_id*)

H5Group.h

namespace H5

Group::Group [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [in-charge] (long const *group_id*)
Group::Group [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
Group::Group [not-in-charge] (long const *group_id*)
Group::p_setId (long const *new_id*)

H5IdComponent.h

namespace H5

IdComponent::decRefCount (long const *obj_id*) const
IdComponent::getCounter (long const *obj_id*) const
IdComponent::getHDFObjType (long const *obj_id*) [static]
IdComponent::IdComponent [in-charge] (long const *h5_id*)
IdComponent::IdComponent [not-in-charge] (long const *h5_id*)
IdComponent::incRefCount (long const *obj_id*) const
IdComponent::p_valid_id (long const *obj_id*) [static]
IdComponent::setId (long const *new_id*)

H5IntType.h

namespace H5

IntType::IntType [in-charge] (long const *existing_id*)
IntType::IntType [not-in-charge] (long const *existing_id*)

H5LDpublic.h

H5LDget_dset_dims (long *did*, hsize_t* *cur_dims*)
H5LDget_dset_elmts (long *did*, hsize_t const* *prev_dims*, hsize_t const* *cur_dims*, char const* *fields*, void* *buf*)
H5LDget_dset_type_size (long *did*, char const* *fields*)

H5Location.h

namespace H5

H5Location::dereference (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
H5Location::dereference (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*)
H5Location::H5Location [in-charge] (long const *loc_id*)
H5Location::H5Location [not-in-charge] (long const *loc_id*)
H5Location::p_dereference (long *loc_id*, void const* *ref*, enum H5R_type_t *ref_type*, PropList const& *plist*, char const* *from_func*)
H5Location::p_reference (void* *ref*, char const* *name*, long *space_id*, enum H5R_type_t *ref_type*) const

H5Object.h

namespace H5

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

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

H5OcreatProp.h

namespace H5

ObjCreatPropList::ObjCreatPropList [in-charge] (long const *plist_id*)

ObjCreatPropList::ObjCreatPropList [not-in-charge] (long const *plist_id*)

H5Opublic.h

H5Oare_mdc_flushes_disabled (long *object_id*, bool* *are_disabled*)

H5Odisable_mdc_flushes (long *object_id*)

H5Oenable_mdc_flushes (long *object_id*)

H5Oflush (long *obj_id*)

H5Orefresh (long *oid*)

H5PacketTable.h

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, char* *name*)

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, char* *name*, long *dtypeID*, hsize_t *chunkSize*, int *compression*)

FL_PacketTable::FL_PacketTable [in-charge] (long *fileID*, long *plist_id*, char const* *name*, long *dtypeID*, hsize_t *chunkSize*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, char* *name*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, char* *name*, long *dtypeID*, hsize_t *chunkSize*, int *compression*)

FL_PacketTable::FL_PacketTable [not-in-charge] (long *fileID*, long *plist_id*, char const* *name*, long *dtypeID*, hsize_t *chunkSize*)

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

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

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

PacketTable::FreeBuff (size_t *numStructs*, struct hvl_t* *buffer*)

PacketTable::GetDataset ()

PacketTable::GetDatatype ()

PacketTable::GetTableId ()

PacketTable::IsVariableLength ()

PacketTable::PacketTable [in-charge] (long *fileID*, char const* *name*)

PacketTable::PacketTable [in-charge] (long *fileID*, char* *name*)

PacketTable::PacketTable [not-in-charge] (long *fileID*, char const* *name*)

PacketTable::PacketTable [not-in-charge] (long *fileID*, char* *name*)

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

H5Ppublic.h

H5P_CLS_ATTRIBUTE_ACCESS_ID_g [data]

H5P_LST_ATTRIBUTE_ACCESS_ID_g [data]

H5Pdecode (void const* *buf*)

H5Pencode (long *plist_id*, void* *buf*, size_t* *nalloc*)

H5Pget_append_flush (long *plist_id*, unsigned int *dims*, hsize_t* *boundary*,
H5D_append_cb_t* *func*, void** *udata*)

H5Pget_chunk_opts (long *plist_id*, unsigned int* *opts*)

H5Pget_efile_prefix (long *dapl_id*, char* *prefix*, size_t *size*)

H5Pget_file_space (long *plist_id*, H5F_file_space_type_t* *strategy*, hsize_t* *threshold*
)

H5Pget_mdc_log_options (long *plist_id*, bool* *is_enabled*, char* *location*, size_t*
location_size, bool* *start_on_access*)

H5Pget_metadata_read_attempts (long *plist_id*, unsigned int* *attempts*)

H5Pget_object_flush_cb (long *plist_id*, H5F_flush_cb_t* *func*, void** *udata*)

H5Pget_virtual_count (long *dcpl_id*, size_t* *count*)

H5Pget_virtual_dsetname (long *dcpl_id*, size_t *index*, char* *name*, size_t *size*)

H5Pget_virtual_filename (long *dcpl_id*, size_t *index*, char* *name*, size_t *size*)

H5Pget_virtual_printf_gap (long *plist_id*, hsize_t* *gap_size*)

H5Pget_virtual_srcspace (long *dcpl_id*, size_t *index*)

H5Pget_virtual_view (long *plist_id*, H5D_vds_view_t* *view*)

H5Pget_virtual_vspace (long *dcpl_id*, size_t *index*)

H5Pset_append_flush (long *plist_id*, unsigned int *ndims*, hsize_t const* *boundary*,
H5D_append_cb_t *func*, void* *udata*)

H5Pset_chunk_opts (long *plist_id*, unsigned int *opts*)

H5Pset_efile_prefix (long *dapl_id*, char const* *prefix*)

H5Pset_file_space (long *plist_id*, H5F_file_space_type_t *strategy*, hsize_t *threshold*)

H5Pset_mdc_log_options (long *plist_id*, bool *is_enabled*, char const* *location*, bool
start_on_access)

H5Pset_metadata_read_attempts (long *plist_id*, unsigned int *attempts*)

H5Pset_object_flush_cb (long *plist_id*, H5F_flush_cb_t *func*, void* *udata*)

H5Pset_virtual (long *dcpl_id*, long *vspace_id*, char const* *src_file_name*, char const*
src_dset_name, long *src_space_id*)

H5Pset_virtual_printf_gap (long *plist_id*, hsize_t *gap_size*)

H5Pset_virtual_view (long *plist_id*, H5D_vds_view_t *view*)

H5PredType.h

namespace H5

PredType::PredType [in-charge] (long const *predtype_id*)

PredType::PredType [not-in-charge] (long const *predtype_id*)

H5PropList.h

namespace H5

f_PropList_setId (PropList* *plist*, long *new_id*)

PropList::p_setId (long const *new_id*)

PropList::PropList [in-charge] (long const *plist_id*)

PropList::PropList [not-in-charge] (long const *plist_id*)

H5Tpublic.h

H5PTcreate (long *loc_id*, char const* *dset_name*, long *dtype_id*, hsize_t *chunk_size*, long *plist_id*)

H5PTfree_vlen_buff (long *table_id*, size_t *buflen*, void* *buff*)

H5PTget_dataset (long *table_id*)

H5PTget_type (long *table_id*)

H5PTis_varlen (long *table_id*)

H5Rpublic.h

H5Rdereference1 (long *obj_id*, enum H5R_type_t *ref_type*, void const* *ref*)

H5Rdereference2 (long *obj_id*, long *oapl_id*, enum H5R_type_t *ref_type*, void const* *ref*)

H5Spublic.h

H5Sget_regular_hyperslab (long *spaceid*, hsize_t* *start*, hsize_t* *stride*, hsize_t* *count*, hsize_t* *block*)

H5Sis_regular_hyperslab (long *spaceid*)

H5StrType.h

namespace **H5**

StrType::StrType [in-charge] (long const *existing_id*)

StrType::StrType [not-in-charge] (long const *existing_id*)

H5Tpublic.h

H5Tflush (long *type_id*)

H5Trefresh (long *type_id*)

H5VarLenType.h

namespace **H5**

VarLenType::VarLenType [in-charge] (long const *existing_id*)

VarLenType::VarLenType [not-in-charge] (long const *existing_id*)

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Removed Symbols (116)

H5AbstractDs.h

namespace **H5**

AbstractDs::AbstractDs [in-charge] (int const *h5_id*)

AbstractDs::AbstractDs [not-in-charge] (int const *h5_id*)

H5ArrayType.h

namespace **H5**

ArrayType::ArrayType [in-charge] (int const *existing_id*)

ArrayType::ArrayType [not-in-charge] (int const *existing_id*)

H5AtomType.h

namespace H5

AtomType::AtomType [in-charge] (int const *existing_id*)

AtomType::AtomType [not-in-charge] (int const *existing_id*)

H5Attribute.h

namespace H5

Attribute::Attribute [in-charge] (int const *attr_id*)

Attribute::Attribute [not-in-charge] (int const *attr_id*)

Attribute::p_setId (int const *new_id*)

f_Attribute_setId (Attribute* *attr*, int *new_id*)

H5CommonFG.h

namespace H5

CommonFG::getObjinfo (char const* *name*, unsigned int *follow_link*, H5G_stat_t& *statbuf*) const

CommonFG::getObjinfo (int const& *name*, unsigned int *follow_link*, H5G_stat_t& *statbuf*) const

CommonFG::iterateElems (char const* *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*)

CommonFG::iterateElems (int const& *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*)

H5CompType.h

namespace H5

CompType::CompType [in-charge] (int const *existing_id*)

CompType::CompType [not-in-charge] (int const *existing_id*)

H5DataSet.h

namespace H5

DataSet::DataSet [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [in-charge] (int const *existing_id*)

DataSet::DataSet [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataSet::DataSet [not-in-charge] (int const *existing_id*)

DataSet::iterateElems (void* *buf*, DataType const& *type*, DataSpace const& *space*, H5D_operator_t *op*, void* *op_data*)

DataSet::p_setId (int const *new_id*)

f_DataSet_setId (DataSet* *dset*, int *new_id*)

H5DataSpace.h

namespace H5

DataSpace::DataSpace [in-charge] (int const *space_id*)

DataSpace::DataSpace [not-in-charge] (int const *space_id*)

DataSpace::p_setId (int const *new_id*)

f_DataSpace_setId (DataSpace* *dspace*, int *new_id*)

H5DataType.h

namespace H5

DataType::DataType [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [in-charge] (int const *type_id*)

DataType::DataType [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

DataType::DataType [not-in-charge] (int const *type_id*)

DataType::p_setId (int const *new_id*)

DataType::registerFunc (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

DataType::registerFunc (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

DataType::unregister (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

DataType::unregister (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const**

f_DataType_setId (DataType* *dtype*, int *new_id*)

H5DcreatProp.h

namespace H5

DSetCreatPropList::DSetCreatPropList [in-charge] (int const *plist_id*)

DSetCreatPropList::DSetCreatPropList [not-in-charge] (int const *plist_id*)

H5DxferProp.h

namespace H5

DSetMemXferPropList::DSetMemXferPropList [in-charge] (int const *plist_id*)

DSetMemXferPropList::DSetMemXferPropList [not-in-charge] (int const *plist_id*)

DSetMemXferPropList::getTypeConvCB (H5T_conv_except_func_t* *op*, void** *user_data*) **const**

DSetMemXferPropList::setTypeConvCB (H5T_conv_except_func_t *op*, void* *user_data*) **const**

H5EnumType.h

namespace H5

EnumType::EnumType [in-charge] (int const *existing_id*)

EnumType::EnumType [not-in-charge] (int const *existing_id*)

H5Exception.h

namespace H5

Exception::getAutoPrint (H5E_auto2_t& *func*, void** *client_data*) [static]

Exception::getMajorString (int *err_major_id*) **const**

Exception::getMinorString (int *err_minor_id*) **const**

Exception::printErrorStack (FILE* *stream*, int *err_stack*) [static]

Exception::setAutoPrint (H5E_auto2_t& *func*, void* *client_data*) [static]

H5FaccProp.h

namespace H5

FileAccPropList::FileAccPropList [in-charge] (int const *plist_id*)

FileAccPropList::FileAccPropList [not-in-charge] (int const *plist_id*)

FileAccPropList::getCore (size_t& *increment*, unsigned int& *backing_store*) **const**

FileAccPropList::setCore (size_t *increment*, unsigned int *backing_store*) **const**

FileAccPropList::setDriver (int *new_driver_id*, void const* *new_driver_info*) **const**

H5FcreatProp.h

namespace H5

FileCreatPropList::FileCreatPropList [in-charge] (int const *plist_id*)

FileCreatPropList::FileCreatPropList [not-in-charge] (int const *plist_id*)

H5FDcore.h

H5FD_core_term ()

H5FDfamily.h

H5FD_family_term ()

H5FDlog.h

H5FD_log_term ()

H5FDmulti.h

H5FD_multi_term ()

H5FDsec2.h

H5FD_sec2_term ()

H5FDstdio.h

H5FD_stdio_term ()

H5File.h

namespace H5

H5File::getObjIDs (unsigned int *types*, size_t *max_objs*, int* *oid_list*) **const**

H5File::H5File [in-charge] (int *existing_id*)

H5File::H5File [not-in-charge] (int *existing_id*)

H5File::p_setId (int const *new_id*)

H5FloatType.h

namespace H5

FloatType::FloatType [in-charge] (int const *existing_id*)

FloatType::FloatType [not-in-charge] (int const *existing_id*)

H5Group.h

namespace H5

Group::Group [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [in-charge] (int const *group_id*)

Group::Group [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

Group::Group [not-in-charge] (int const *group_id*)

Group::p_setId (int const *new_id*)

H5IdComponent.h

namespace H5

IdComponent::decRefCount (int const *obj_id*) const

IdComponent::getCounter (int const *obj_id*) const

IdComponent::getHDFObjType (int const *obj_id*) [static]

IdComponent::IdComponent [in-charge] (int const *h5_id*)

IdComponent::IdComponent [not-in-charge] (int const *h5_id*)

IdComponent::incRefCount (int const *obj_id*) const

IdComponent::p_valid_id (int const *obj_id*) [static]

IdComponent::setId (int const *new_id*)

H5IntType.h

namespace H5

IntType::IntType [in-charge] (int const *existing_id*)

IntType::IntType [not-in-charge] (int const *existing_id*)

H5Location.h

namespace H5

H5Location::dereference (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*)

H5Location::dereference (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*)

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

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

H5Location::p_dereference (int *loc_id*, void const* *ref*, enum H5R_type_t *ref_type*, char const* *from_func*)

H5Location::p_reference (void* *ref*, char const* *name*, int *space_id*, enum H5R_type_t *ref_type*) **const**

H5Object.h

namespace H5

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

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

H5OcreatProp.h

namespace H5

ObjCreatPropList::ObjCreatPropList [in-charge] (int const *plist_id*)

ObjCreatPropList::ObjCreatPropList [not-in-charge] (int const *plist_id*)

H5PacketTable.h

FL_PacketTable::FL_PacketTable [in-charge] (int *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*)

FL_PacketTable::FL_PacketTable [not-in-charge] (int *fileID*, char const* *name*)

FL_PacketTable::FL_PacketTable [not-in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*)

PacketTable::PacketTable [in-charge] (int *fileID*, char const* *name*)

PacketTable::PacketTable [not-in-charge] (int *fileID*, char const* *name*)

H5PredType.h

namespace H5

PredType::PredType [in-charge] (int const *predtype_id*)

PredType::PredType [not-in-charge] (int const *predtype_id*)

H5PropList.h

namespace H5

f_PropList_setId (PropList* *plist*, int *new_id*)

PropList::p_setId (int const *new_id*)

PropList::PropList [in-charge] (int const *plist_id*)

PropList::PropList [not-in-charge] (int const *plist_id*)

H5StrType.h

namespace H5

StrType::StrType [in-charge] (int const *existing_id*)

StrType::StrType [not-in-charge] (int const *existing_id*)

H5VarLenType.h

namespace H5

VarLenType::VarLenType [in-charge] (int const *existing_id*)

VarLenType::VarLenType [not-in-charge] (int const *existing_id*)

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Problems with Symbols, Medium Severity (112)

H5ArrayType.h

namespace H5

[+] **ArrayType::ArrayType** [in-charge] (int const *existing_id*) (1)

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

[+] **ArrayType::ArrayType** [not-in-charge] (int const *existing_id*) (1)

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

H5AtomType.h

namespace H5

[+] **AtomType::AtomType** [in-charge] (int const *existing_id*) (1)

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

[+] **AtomType::AtomType** [not-in-charge] (int const *existing_id*) (1)

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

H5Attribute.h

namespace H5

[+] **Attribute::Attribute** [in-charge] (int const *attr_id*) (1)

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

[+] **Attribute::Attribute** [not-in-charge] (int const *attr_id*) (1)

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

[+] **Attribute::p_setId** (int const *new_id*) (1)

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

[+] **f_Attribute_setId** (Attribute* *attr*, int *new_id*) (1)

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

H5CommonFG.h

namespace H5

[+] **CommonFG::getObjinfo** (char const* *name*, unsigned int *follow_link*, H5G_stat_t& *statbuf*) **const** (1)

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

[+] **CommonFG::getObjinfo** (int const& *name*, unsigned int *follow_link*, H5G_stat_t& *statbuf*) **const** (1)

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

[+] **CommonFG::iterateElems** (char const* *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*) (1)

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

[+] **CommonFG::iterateElems** (int const& *name*, int* *idx*, H5G_iterate_t *op*, void* *op_data*) (1)

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

[+] **CommonFG::p_setId** (int const *new_id*) (1)

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

H5CompType.h

namespace H5

[+] **CompType::CompType** [not-in-charge] (int const *existing_id*) (1)

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

[+] **CompType::CompType** [in-charge] (int const *existing_id*) (1)

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

H5DataSet.h

namespace H5

[+] **DataSet::DataSet** [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

	Change	Effect

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

[+] **DataSet::DataSet** [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

1	Parameters list has been changed.	Recompilation of a client program may be
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[+] **DataSet::DataSet** [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

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

[+] **DataSet::DataSet** [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

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

[+] **DataSet::DataSet** [not-in-charge] (int const *existing_id*) (1)

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

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

[+] **DataSet::DataSet** [in-charge] (int const *existing_id*) (1)

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

[+] **DataSet::iterateElems** (void* *buf*, DataType const& *type*, DataSpace const& *space*, H5D_operator_t *op*, void* *op_data*) (1)

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

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

[+] **DataSet::p_setId** (int const *new_id*) (1)

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

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

[+] **f_DataSet_setId** (DataSet* *dset*, int *new_id*) (1)

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

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

H5DataSpace.h

namespace H5

[+] **DataSpace::DataSpace** [not-in-charge] (int const *space_id*) (1)

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

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

[+] **DataSet::DataSet** [in-charge] (int const *space_id*) (1)

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

[+] **DataSet::p_setId** (int const *new_id*) (1)

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

[+] **f_DataSpace_setId** (DataSet* *dspace*, int *new_id*) (1)

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

H5DataType.h
namespace H5

[+] **DataType::DataType** [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **DataType::DataType** [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **DataType::DataType** [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **DataType::DataType** [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **DataType::DataType** [in-charge] (int const *type_id*) (1)

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

[+] **DataType::DataType** [not-in-charge] (int const *type_id*) (1)

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

[+] **DataSet::p_setId** (int const *new_id*) (1)

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

[+] **DataType::registerFunc** (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const (1)**

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

[+] **DataType::registerFunc** (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const (1)**

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

[+] **DataType::unregister** (H5T_pers_t *pers*, char const* *name*, DataType const& *dest*, H5T_conv_t *func*) **const (1)**

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

[+] **DataType::unregister** (H5T_pers_t *pers*, std::string const& *name*, DataType const& *dest*, H5T_conv_t *func*) **const (1)**

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

[+] **f_DataType_setId** (DataType* *dtype*, int *new_id*) **(1)**

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

H5DcreatProp.h

namespace H5

[+] **DSetCreatPropList::DSetCreatPropList** [in-charge] (int const *plist_id*) **(1)**

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

[+] **DSetCreatPropList::DSetCreatPropList** [not-in-charge] (int const *plist_id*) **(1)**

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

H5DxferProp.h

namespace H5

[+] **DSetMemXferPropList::DSetMemXferPropList** [in-charge] (int const *plist_id*) **(1)**

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

[+] **DSetMemXferPropList::DSetMemXferPropList** [not-in-charge] (int const *plist_id*) (1)

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

[+] **DSetMemXferPropList::getTypeConvCB** (H5T_conv_except_func_t* *op*, void** *user_data*) const (1)

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

[+] **DSetMemXferPropList::setTypeConvCB** (H5T_conv_except_func_t *op*, void** *user_data*) const (1)

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

H5EnumType.h
namespace **H5**

[+] **EnumType::EnumType** [not-in-charge] (int const *existing_id*) (1)

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

[+] **EnumType::EnumType** [in-charge] (int const *existing_id*) (1)

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

H5Exception.h
namespace **H5**

[+] **Exception::getAutoPrint** (H5E_auto2_t& *func*, void** *client_data*) [static] (1)

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

[+] **Exception::getMajorString** (int *err_major_id*) const (1)

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

[+] **Exception::getMinorString** (int *err_minor_id*) const (1)

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

[+] **Exception::printErrorStack** (FILE* *stream*, int *err_stack*) [static] (1)

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

[+] **Exception::setAutoPrint** (H5E_auto2_t& *func*, void* *client_data*) [static] (1)

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

H5FaccProp.h

namespace H5

[+] **FileAccPropList::FileAccPropList** [in-charge] (int const *plist_id*) (1)

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

[+] **FileAccPropList::FileAccPropList** [not-in-charge] (int const *plist_id*) (1)

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

[+] **FileAccPropList::getCore** (size_t& *increment*, unsigned int& *backing_store*) const (1)

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

[+] **FileAccPropList::setCore** (size_t *increment*, unsigned int *backing_store*) const (1)

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

[+] **FileAccPropList::setDriver** (int *new_driver_id*, void const* *new_driver_info*) const (1)

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

H5FcreatProp.h

namespace H5

[+] **FileCreatPropList::FileCreatPropList** [not-in-charge] (int const *plist_id*) (1)

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

[+] **FileCreatPropList::FileCreatPropList** [in-charge] (int const *plist_id*) (1)

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

H5FDpublic.h

[+] **H5FDget_eof** (H5FD_t* *file*) (1)

	Change	Effect
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1	Parameter type of type H5FD_mem_t has been added to the calling stack.	Recompilation of a client program may be
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H5File.h

namespace **H5**

[+] **H5File::getObjIDs** (unsigned int *types*, size_t *max_objs*, int* *oid_list*) **const** (1)

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

[+] **H5File::H5File** [in-charge] (int *existing_id*) (1)

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

[+] **H5File::H5File** [not-in-charge] (int *existing_id*) (1)

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

[+] **H5File::p_setId** (int const *new_id*) (1)

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

H5FloatType.h

namespace **H5**

[+] **FloatType::FloatType** [not-in-charge] (int const *existing_id*) (1)

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

[+] **FloatType::FloatType** [in-charge] (int const *existing_id*) (1)

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

H5Group.h

namespace **H5**

[+] **Group::Group** [not-in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **Group::Group** [in-charge] (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **Group::Group** [not-in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **Group::Group** [in-charge] (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **Group::Group** [in-charge] (int const *group_id*) (1)

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

[+] **Group::Group** [not-in-charge] (int const *group_id*) (1)

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

[+] **Group::p_setId** (int const *new_id*) (1)

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

H5IdComponent.h

namespace H5

[+] **IdComponent::decRefCount** (int const *obj_id*) const (1)

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

[+] **IdComponent::getCounter** (int const *obj_id*) const (1)

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

[+] **IdComponent::getHDFObjType** (int const *obj_id*) [static] (1)

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

[+] **IdComponent::IdComponent** [not-in-charge] (int const *h5_id*) (1)

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

[+] **IdComponent::IdComponent** [in-charge] (int const *h5_id*) (1)

	Change	Effect

1	Parameters list has been changed.	Recompilation of a client program may be
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[+] **IdComponent::incRefCount** (int const *obj_id*) const (1)

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

[+] **IdComponent::p_setId** (int const *new_id*) (1)

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

[+] **IdComponent::p_valid_id** (int const *obj_id*) [static] (1)

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

[+] **IdComponent::setId** (int const *new_id*) (1)

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

H5IntType.h

namespace H5

[+] **IntType::IntType** [in-charge] (int const *existing_id*) (1)

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

[+] **IntType::IntType** [not-in-charge] (int const *existing_id*) (1)

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

H5Location.h

namespace H5

[+] **H5Location::dereference** (Attribute const& *attr*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **H5Location::dereference** (H5Location const& *loc*, void const* *ref*, enum H5R_type_t *ref_type*) (1)

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

[+] **H5Location::H5Location** [in-charge] (int const *loc_id*) (1)

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

1	Parameters list has been changed.	Recompilation of a client program may be
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[+] **H5Location::H5Location** [not-in-charge] (int const *loc_id*) (1)

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

[+] **H5Location::p_dereference** (int *loc_id*, void const* *ref*, enum H5R_type_t *ref_type*, char const* *from_func*) (1)

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

[+] **H5Location::p_reference** (void* *ref*, char const* *name*, int *space_id*, enum H5R_type_t *ref_type*) const (1)

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

[+] **H5Location::p_setId** (int const *new_id*) (1)

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

H5Object.h

namespace H5

[+] **H5Object::H5Object** [not-in-charge] (int const *object_id*) (1)

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

[+] **H5Object::H5Object** [in-charge] (int const *object_id*) (1)

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

H5OcreatProp.h

namespace H5

[+] **ObjCreatPropList::ObjCreatPropList** [in-charge] (int const *plist_id*) (1)

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

[+] **ObjCreatPropList::ObjCreatPropList** [not-in-charge] (int const *plist_id*) (1)

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

H5PacketTable.h

[+] **FL_PacketTable::FL_PacketTable** [in-charge] (int *fileID*, char const* *name*) (1)

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

[+] **FL_PacketTable::FL_PacketTable** [not-in-charge] (int *fileID*, char const* *name*) (1)

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

[+] **FL_PacketTable::FL_PacketTable** [not-in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*) (1)

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

[+] **FL_PacketTable::FL_PacketTable** [in-charge] (int *fileID*, char const* *name*, int *dtypeID*, hsize_t *chunkSize*, int *compression*) (1)

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

[+] **PacketTable::PacketTable** [in-charge] (int *fileID*, char const* *name*) (1)

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

[+] **PacketTable::PacketTable** [not-in-charge] (int *fileID*, char const* *name*) (1)

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

H5PredType.h

namespace H5

[+] **PredType::PredType** [in-charge] (int const *pretype_id*) (1)

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

[+] **PredType::PredType** [not-in-charge] (int const *pretype_id*) (1)

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

H5PropList.h

namespace H5

[+] **f_PropList_setId** (PropList* *plist*, int *new_id*) (1)

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

[+] **PropList::p_setId** (int const *new_id*) (1)

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

[+] **PropList::PropList** [in-charge] (int const *plist_id*) (1)

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

[+] **PropList::PropList** [not-in-charge] (int const *plist_id*) (1)

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

H5StrType.h

namespace H5

[+] **StrType::StrType** [in-charge] (int const *existing_id*) (1)

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

[+] **StrType::StrType** [not-in-charge] (int const *existing_id*) (1)

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

H5VarLenType.h

namespace H5

[+] **VarLenType::VarLenType** [in-charge] (int const *existing_id*) (1)

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

[+] **VarLenType::VarLenType** [not-in-charge] (int const *existing_id*) (1)

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

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Problems with Data Types, Low Severity (10)

H5ACpublic.h

[+] struct **H5AC_cache_config_t** (1)

	Change	Effect
1	Type of field dirty_bytes_threshold has been changed from int to size_t .	Recompilation of a client program may be

H5Epublic.h

[+] typedef H5E_major_t (1)

	Change	Effect
1	Base type has been changed from int to long .	Recompilation of a client program may be required.

[+] typedef H5E_minor_t (1)

	Change	Effect
1	Base type has been changed from int to long .	Recompilation of a client program may be required.

H5FDpublic.h

[+] struct H5FD_class_t (4)

	Change	Effect
1	Field terminate has been added to this type.	This field will not be initialized or used by the library.
2	Base type of field get_eof has been changed from haddr_t*(H5FD_t const*) to haddr_t*(H5FD_t const*,H5FD_mem_t) .	Recompilation of a client program may be required.
3	Base type of field lock has been changed from herr_t*(H5FD_t*,unsigned char*,unsigned int,hbool_t) to herr_t*(H5FD_t*,hbool_t) .	Recompilation of a client program may be required.
4	Base type of field unlock has been changed from herr_t*(H5FD_t*,unsigned char*,hbool_t) to herr_t*(H5FD_t*) .	Recompilation of a client program may be required.

[+] struct H5FD_t (1)

	Change	Effect
1	Field swmr_read has been added to this type.	This field will not be initialized or used by the library.

H5Ipublic.h

[+] typedef hid_t (1)

	Change	Effect
1	Base type has been changed from int to long .	Recompilation of a client program may be required.

H5public.h

[+] typedef hbool_t (1)

	Change	Effect
1	Base type has been changed from unsigned int to bool .	Recompilation of a client program may be required.

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Problems with Constants, Low Severity (29)

H5f90i_gen.h

[+] c_float_16

	Change		Effect
1	The value of constant c_float_16 has been changed from long double to __float128 .	Recompilation of a client program may be	

H5FDpublic.h

[+] H5FD_FEAT_DIRTY_SBLK_LOAD

	Change		Effect
1	The constant H5FD_FEAT_DIRTY_SBLK_LOAD with value 0x00000040 has been removed.	Recompilation of a client program may be	

H5Fpublic.h

[+] H5F_ACC_CREAT

	Change		Effect
1	The value of constant H5F_ACC_CREAT has been changed from (H5CHECK 0x0010u) to (H5CHECK H5OPEN 0x0010u) .	Recompilation of a client program may be	

[+] H5F_ACC_DEBUG

	Change		Effect
1	The value of constant H5F_ACC_DEBUG has been changed from (H5CHECK 0x0000u) to (H5CHECK H5OPEN 0x0000u) .	Recompilation of a client program may be	

[+] H5F_ACC_DEFAULT

	Change		Effect
1	The value of constant H5F_ACC_DEFAULT has been changed from (H5CHECK 0xffffu) to (H5CHECK H5OPEN 0xffffu) .	Recompilation of a client program may be	

[+] H5F_ACC_EXCL

	Change		Effect
1	The value of constant H5F_ACC_EXCL has been changed from (H5CHECK 0x0004u) to (H5CHECK H5OPEN 0x0004u) .	Recompilation of a client program may be	

[+] H5F_ACC_RDONLY

	Change		Effect
1	The value of constant H5F_ACC_RDONLY has been changed from (H5CHECK 0x0000u) to (H5CHECK H5OPEN 0x0000u) .	Recompilation of a client program may be	

[+] H5F_ACC_RDWR

	Change		Effect
1	The value of constant H5F_ACC_RDWR has been changed from (H5CHECK 0x0001u) to (H5CHECK H5OPEN 0x0001u) .	Recompilation of a client program may be	

[+] H5F_ACC_TRUNC

	Change	Effect
1	The value of constant H5F_ACC_TRUNC has been changed from (H5CHECK 0x0002u) to (H5CHECK H5OPEN 0x0002u).	Recompilation of a client program may be

[+] H5F_LIBVER_18

	Change	Effect
1	The constant H5F_LIBVER_18 with value 1 has been removed.	Recompilation of a client program may be

H5Ipublic.h**[+] H5_SIZEOF_HID_T**

	Change	Effect
1	The value of constant H5_SIZEOF_HID_T has been changed from 4 to 8 .	Recompilation of a client program may be

H5pubconf.h**[+] H5_CLEAR_MEMORY**

	Change	Effect
1	The constant H5_CLEAR_MEMORY with value 1 has been removed.	Recompilation of a client program may be

[+] H5_HAVE_FSEEKO

	Change	Effect
1	The constant H5_HAVE_FSEEKO with value 1 has been removed.	Recompilation of a client program may be

[+] H5_HAVE_FSEEKO64

	Change	Effect
1	The constant H5_HAVE_FSEEKO64 with value 1 has been removed.	Recompilation of a client program may be

[+] H5_HAVE_FSTAT64

	Change	Effect
1	The constant H5_HAVE_FSTAT64 with value 1 has been removed.	Recompilation of a client program may be

[+] H5_HAVE_FTELLO

	Change	Effect
1	The constant H5_HAVE_FTELLO with value 1 has been removed.	Recompilation of a client program may be

[+] H5_HAVE_FTELLO64

	Change	Effect
1	The constant H5_HAVE_FTELLO64 with value 1 has been	Recompilation of a client program may be

	removed.		
[+] H5_HAVE_FTRUNCATE64			
	Change		Effect
1	The constant H5_HAVE_FTRUNCATE64 with value 1 has been removed.	Recompilation of a client program may be	
[+] H5_HAVE_LSEEK64			
	Change		Effect
1	The constant H5_HAVE_LSEEK64 with value 1 has been removed.	Recompilation of a client program may be	
[+] H5_HAVE_STAT64			
	Change		Effect
1	The constant H5_HAVE_STAT64 with value 1 has been removed.	Recompilation of a client program may be	
[+] H5_HAVE_STAT_ST_BLOCKS			
	Change		Effect
1	The constant H5_HAVE_STAT_ST_BLOCKS 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 1.8.16 " to " HDF5 1.10.0 ".	Recompilation of a client program may be	
[+] H5_PACKAGE_VERSION			
	Change		Effect
1	The value of constant H5_PACKAGE_VERSION has been changed from " 1.8.16 " to " 1.10.0 ".	Recompilation of a client program may be	
[+] H5_SIZEOF_OFF64_T			
	Change		Effect
1	The constant H5_SIZEOF_OFF64_T with value 8 has been removed.	Recompilation of a client program may be	
[+] H5_SYSTEM_SCOPE_THREADS			
	Change		Effect
1	The constant H5_SYSTEM_SCOPE_THREADS with value 1 has been removed.	Recompilation of a client program may be	
[+] H5_VERSION			
	Change		Effect
1	The value of constant H5_VERSION has been changed from	Recompilation of a client program may be	

"1.8.16" to "1.10.0".

H5public.h

[+] H5_VERS_INFO

	Change		Effect
1	The value of constant H5_VERS_INFO has been changed from "HDF5 library version: 1.8.16" to "HDF5 library version: 1.10.0".	Recompilation of a client program may be	

[+] H5_VERS_MINOR

	Change		Effect
1	The value of constant H5_VERS_MINOR has been changed from 8 to 10.	Recompilation of a client program may be	

[+] H5_VERS_RELEASE

	Change		Effect
1	The value of constant H5_VERS_RELEASE has been changed from 16 to 0.	Recompilation of a client program may be	

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Other Changes in Data Types (2)

H5Dpublic.h

[+] enum H5D_layout_t (2)

	Change		Effect
1	The member H5D_VIRTUAL with value 3 has been added.	No effect.	
2	Value of member H5D_NLAYOUTS has been changed from 3 to 4.	No effect.	

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Other Changes in Constants (55)

H5Dpublic.h

[+] H5D_CHUNK_BTREE

	Change		Effect
1	The constant H5D_CHUNK_BTREE with value 0 has been added.	No effect.	

[+] H5D_CHUNK_DONT_FILTER_PARTIAL_CHUNKS

	Change		Effect
1	The constant H5D_CHUNK_DONT_FILTER_PARTIAL_CHUNKS with value (0x0002u) has been added.	No effect.	

H5Epubgen.h**[+] H5E_CANTAPPEND**

	Change		Effect
1	The constant H5E_CANTAPPEND with value (H5OPEN H5E_CANTAPPEND_g) has been added.	No effect.	

[+] H5E_CANTCORK

	Change		Effect
1	The constant H5E_CANTCORK with value (H5OPEN H5E_CANTCORK_g) has been added.	No effect.	

[+] H5E_CANTDEPEND

	Change		Effect
1	The constant H5E_CANTDEPEND with value (H5OPEN H5E_CANTDEPEND_g) has been added.	No effect.	

[+] H5E_CANTNOTIFY

	Change		Effect
1	The constant H5E_CANTNOTIFY with value (H5OPEN H5E_CANTNOTIFY_g) has been added.	No effect.	

[+] H5E_CANTTAG

	Change		Effect
1	The constant H5E_CANTTAG with value (H5OPEN H5E_CANTTAG_g) has been added.	No effect.	

[+] H5E_CANTUNCORK

	Change		Effect
1	The constant H5E_CANTUNCORK with value (H5OPEN H5E_CANTUNCORK_g) has been added.	No effect.	

[+] H5E_CANTUNDEPEND

	Change		Effect
1	The constant H5E_CANTUNDEPEND with value (H5OPEN H5E_CANTUNDEPEND_g) has been added.	No effect.	

[+] H5E_EARRAY

	Change		Effect
1	The constant H5E_EARRAY with value (H5OPEN H5E_EARRAY_g) has been added.	No effect.	

[+] H5E_FARRAY

	Change		Effect
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1	The constant H5E_FARRAY with value (H5OPEN H5E_FARRAY_g) has been added.	No effect.	
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[+] **H5E_LOGFAIL**

	Change		Effect
1	The constant H5E_LOGFAIL with value (H5OPEN H5E_LOGFAIL_g) has been added.	No effect.	

H5f90i_gen.h

[+] **c_float_10**

	Change		Effect
1	The constant c_float_10 with value long double has been added.	No effect.	

H5FDpublic.h

[+] **H5FD_FEAT_DIRTY_DRVINFO_LOAD**

	Change		Effect
1	The constant H5FD_FEAT_DIRTY_DRVINFO_LOAD with value 0x00000040 has been added.	No effect.	

[+] **H5FD_FEAT_SUPPORTS_SWMR_IO**

	Change		Effect
1	The constant H5FD_FEAT_SUPPORTS_SWMR_IO with value 0x00001000 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_DBLK_PAGE**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_DBLK_PAGE with value 5 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_DBLOCK**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_DBLOCK with value 5 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_HDR**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_HDR with value 6 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_IBLOCK**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_IBLOCK with value 6 has been added.	No effect.	

[+] **H5FD_MEM_EARRAY_SBLOCK**

	Change		Effect
1	The constant H5FD_MEM_EARRAY_SBLOCK with value 2 has been added.	No effect.	

[+] **H5FD_MEM_FARRAY_DBLK_PAGE**

	Change		Effect
1	The constant H5FD_MEM_FARRAY_DBLK_PAGE with value 5 has been added.	No effect.	

[+] **H5FD_MEM_FARRAY_DBLOCK**

	Change		Effect
1	The constant H5FD_MEM_FARRAY_DBLOCK with value 5 has been added.	No effect.	

[+] **H5FD_MEM_FARRAY_HDR**

	Change		Effect
1	The constant H5FD_MEM_FARRAY_HDR with value 6 has been added.	No effect.	

H5Fpublic.h

[+] **H5F_ACC_SWMR_READ**

	Change		Effect
1	The constant H5F_ACC_SWMR_READ with value (H5CHECK 0x0040u) has been added.	No effect.	

[+] **H5F_ACC_SWMR_WRITE**

	Change		Effect
1	The constant H5F_ACC_SWMR_WRITE with value (H5CHECK 0x0020u) has been added.	No effect.	

[+] **H5F_NUM_METADATA_READ_RETRY_TYPES**

	Change		Effect
1	The constant H5F_NUM_METADATA_READ_RETRY_TYPES with value 21 has been added.	No effect.	

H5Ppublic.h

[+] **H5P_ATTRIBUTE_ACCESS**

	Change		Effect
1	The constant H5P_ATTRIBUTE_ACCESS with value (H5OPEN H5P_CLS_ATTRIBUTE_ACCESS_ID_g) has been added.	No effect.	

[+] **H5P_ATTRIBUTE_ACCESS_DEFAULT**

	Change		Effect
1	The constant H5P_ATTRIBUTE_ACCESS_DEFAULT with value (H5OPEN H5P_LST_ATTRIBUTE_ACCESS_ID_g) has been added.	No effect.	

H5pubconf.h

[+] H5_FORTRAN_C_LONG_DOUBLE_IS_UNIQUE

	Change		Effect
1	The constant H5_FORTRAN_C_LONG_DOUBLE_IS_UNIQUE with value 1 has been added.	No effect.	

[+] H5_Fortran_COMPILER_ID

	Change		Effect
1	The constant H5_Fortran_COMPILER_ID with value none has been added.	No effect.	

[+] H5_FORTRAN_HAVE_C_LONG_DOUBLE

	Change		Effect
1	The constant H5_FORTRAN_HAVE_C_LONG_DOUBLE with value 1 has been added.	No effect.	

[+] H5_FORTRAN_HAVE_C_SIZEOF

	Change		Effect
1	The constant H5_FORTRAN_HAVE_C_SIZEOF with value 1 has been added.	No effect.	

[+] H5_FORTRAN_HAVE_SIZEOF

	Change		Effect
1	The constant H5_FORTRAN_HAVE_SIZEOF with value 1 has been added.	No effect.	

[+] H5_FORTRAN_HAVE_STORAGE_SIZE

	Change		Effect
1	The constant H5_FORTRAN_HAVE_STORAGE_SIZE with value 1 has been added.	No effect.	

[+] H5_FORTRAN_SIZEOF_LONG_DOUBLE

	Change		Effect
1	The constant H5_FORTRAN_SIZEOF_LONG_DOUBLE with value "16" has been added.	No effect.	

[+] H5_H5CONFIG_F_IKIND

	Change		Effect

1	The constant H5_H5CONFIG_F_IKIND with value INTEGER, DIMENSION (1:num_ikinds) :: ikind = (/1, 2, 4, 8, 16/) has been added.	No effect.	
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[+] **H5_H5CONFIG_F_NUM_IKIND**

	Change		Effect
1	The constant H5_H5CONFIG_F_NUM_IKIND with value INTEGER, PARAMETER :: num_ikinds = 5 has been added.	No effect.	

[+] **H5_H5CONFIG_F_NUM_RKIND**

	Change		Effect
1	The constant H5_H5CONFIG_F_NUM_RKIND with value INTEGER, PARAMETER :: num_rkinds = 4 has been added.	No effect.	

[+] **H5_H5CONFIG_F_RKIND**

	Change		Effect
1	The constant H5_H5CONFIG_F_RKIND with value INTEGER, DIMENSION (1:num_rkinds) :: rkind = (/4, 8, 10, 16/) has been added.	No effect.	

[+] **H5_H5CONFIG_F_RKIND_SIZEOF**

	Change		Effect
1	The constant H5_H5CONFIG_F_RKIND_SIZEOF with value INTEGER, DIMENSION (1:num_rkinds) :: rkind_sizeof = (/4, 8, 16, 16/) has been added.	No effect.	

[+] **H5_HAVE_FCNTL**

	Change		Effect
1	The constant H5_HAVE_FCNTL with value 1 has been added.	No effect.	

[+] **H5_HAVE_FLOAT128**

	Change		Effect
1	The constant H5_HAVE_FLOAT128 with value 1 has been added.	No effect.	

[+] **H5_HAVE_FLOCK**

	Change		Effect
1	The constant H5_HAVE_FLOCK with value 1 has been added.	No effect.	

[+] **H5_HAVE_Fortran_INTEGER_SIZEOF_16**

	Change		Effect
1	The constant H5_HAVE_Fortran_INTEGER_SIZEOF_16 with value 1 has been added.	No effect.	

[+] **H5_PAC_C_MAX_REAL_PRECISION**

	Change		Effect
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1	The constant H5_PAC_C_MAX_REAL_PRECISION with value 33 has been added.	No effect.	
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[+] **H5_PAC_FC_MAX_REAL_PRECISION**

	Change		Effect
1	The constant H5_PAC_FC_MAX_REAL_PRECISION with value 34 has been added.	No effect.	

[+] **H5_SIZEOF__FLOAT128**

	Change		Effect
1	The constant H5_SIZEOF__FLOAT128 with value 16 has been added.	No effect.	

[+] **H5_SIZEOF__QUAD**

	Change		Effect
1	The constant H5_SIZEOF__QUAD with value 0 has been added.	No effect.	

[+] **H5_SIZEOF_BOOL**

	Change		Effect
1	The constant H5_SIZEOF_BOOL with value 1 has been added.	No effect.	

H5public.h

[+] **HSIZE_UNDEF**

	Change		Effect
1	The constant HSIZE_UNDEF with value ((hsize_t)(hssize_t)(-1)) has been added.	No effect.	

H5version.h

[+] **H5F_info_t**

	Change		Effect
1	The constant H5F_info_t with value H5F_info2_t has been added.	No effect.	

[+] **H5Fget_info**

	Change		Effect
1	The constant H5Fget_info with value H5Fget_info2 has been added.	No effect.	

[+] **H5Fget_info_vers**

	Change		Effect
1	The constant H5Fget_info_vers with value 2 has been added.	No effect.	

[+] **H5Rdereference**

	Change		Effect

1	The constant H5Rdereference with value H5Rdereference2 has been added.	No effect.	
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[+] **H5Rdereference_vers**

	Change		Effect
1	The constant H5Rdereference_vers with value 2 has been added.	No effect.	

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Header Files (77)

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
H5Library.h
H5Location.h
H5Lpublic.h
H5LTpublic.h
H5MMpublic.h
H5Object.h
H5OcreatProp.h
H5Opublic.h
H5overflow.h
H5PacketTable.h
H5PExtern.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 (6)

libhdf5.so.10.1.0
libhdf5_cpp.so.11.0.0
libhdf5_fortran.so.10.0.2

libhdf5_hl.so.10.0.2
libhdf5_hl_cpp.so.11.0.0
libhdf5hl_fortran.so.10.0.2

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A tool for checking backward compatibility of a C/C++ library API