H5A_CREATE1

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H5A_CREATE1

Creates a dataset as an attribute of another group, dataset, or named datatype (DEPRECATED)

> This function was deprecated in favor of the function H5A_CREATE2.

Procedure:

H5A_CREATE1 (loc_id, attr_name, type_id, space_id, acpl_id)

Signature:

```
hid_t H5Acreate1(
        hid_t loc_id,
        const char *attr_name,
        hid_t type_id,
        hid_t space_id,
        hid_t acpl_id
    )
```

```
Fortran90 Interface:  h5acreate_f

SUBROUTINE h5acreate_f(loc_id, name, type_id, space_id, attr_id, hdferr, &
                       acpl_id, aapl_id )
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: loc_id    ! Object identifier
  CHARACTER(LEN=*), INTENT(IN) :: name    ! Attribute name
  INTEGER(HID_T), INTENT(IN) :: type_id   ! Attribute datatype identifier
  INTEGER(HID_T), INTENT(IN) :: space_id  ! Attribute dataspace identifier
  INTEGER(HID_T), INTENT(OUT) :: attr_id  ! Attribute identifier
  INTEGER, INTENT(OUT) :: hdferr          ! Error code:
                                          ! 0 on success and -1 on failure
  INTEGER(HID_T), OPTIONAL, INTENT(IN) :: acpl_id
                                          ! Attribute creation property
                                          ! list identifier
  INTEGER(HID_T), OPTIONAL, INTENT(IN) :: aapl_id
                                          ! Attribute access property
                                          ! list identifier
END SUBROUTINE h5acreate_f
```

Parameters:

hid_t `loc_id`	IN: Identifier for the object to which the attribute is to be attached May be any HDF5 object identifier (group, dataset, or committed datatype) or an HDF5 file identifier; if `loc_id` is a file identifier, the attribute will be attached to that file's root group.
const char * `attr_name`	IN: Name of attribute to create
hid_t `type_id`	IN: Identifier of datatype for attribute
hid_t `space_id`	IN: Identifier of dataspace for attribute
hid_t `acpl_id`	IN: Identifier of creation property list *(Currently not used; specify* `H5P_DEFAULT`*)*

Description:

H5A_CREATE1 creates the attribute `attr_name` attached to the object specified with `loc_id`.

The attribute name specified in `attr_name` must be unique. Attempting to create an attribute with the same name as an already existing attribute will fail, leaving the pre-existing attribute in place. To overwrite an existing attribute with a new attribute of the same name, first call H5A_DELETE then recreate the attribute with H5A_CREATE1.

The datatype and dataspace identifiers of the attribute, `type_id` and `space_id`, respectively, are created with the H5T and H5S interfaces, respectively.

Currently only simple dataspaces are allowed for attribute dataspaces.

The attribute creation property list, `acpl_id`, is currently unused; it may be used in the future for optional attribute properties. At this time, `H5P_DEFAULT` is the only accepted value. The attribute identifier returned from this function must be released with `H5Aclose` or resource leaks will develop.

Returns:

Returns an attribute identifier if successful; otherwise returns a negative value.

Example:

History:

Release	Change
1.8.0	The function `H5Acreate` renamed to `H5Acreate1` and deprecated in this release.

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