H5A_EXISTS_BY_NAME

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H5A_EXISTS_BY_NAME

Determines whether an attribute with a given name exists on an object

Procedure:

H5A_EXISTS_BY_NAME(loc_id, obj_name, attr_name, lapl_id)

Signature:

```
htri_t H5Aexists_by_name
(
    hid_t       loc_id,
    const char *obj_name,
    const char *attr_name,
    hid_t       lapl_id
)
```

```
SUBROUTINE h5aexists_by_name_f(loc_id, obj_name, attr_name, attr_exists, hdferr,&
     lapl_id)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: loc_id  ! Location identifier
  CHARACTER(LEN=*), INTENT(IN) :: obj_name
                                        ! Object name either relative to loc_id,
                                        ! absolute from the
                                        ! file's root group, or '.'
  CHARACTER(LEN=*), INTENT(IN) :: attr_name
                                        ! Attribute name
  LOGICAL, INTENT(OUT) :: attr_exists   ! Positive value if exists, 0 otherwise
  INTEGER, INTENT(OUT) :: hdferr        ! Error code:
                                        ! 0 on success and -1 on failure
  INTEGER(HID_T), OPTIONAL, INTENT(IN) :: lapl_id
                                        ! Link access property list identifier
END SUBROUTINE h5aexists_by_name_f
```

Parameters:

hid_t `loc_id`	IN: Location identifier; may be a file, group, dataset, or named datatype
const char * `obj_name`	IN: Object name Either relative to `loc_id`, absolute from the file's root group, or `'.'` (a dot)
const char * `attr_name`	IN: Attribute name
hid_t `lapl_id`	IN: Link access property list identifier

Description:

H5A_EXISTS_BY_NAME determines whether the attribute `attr_name` exists on an object. That object is specified by its location and name, `loc_id` and `obj_name` , respectively.

`loc_id` specifies a location in the file containing the object. `obj_name` is the name of the object to which the attribute is attached and can be a relative name, relative to `loc_id`, or an absolute name, based in the root group of the file. If `loc_id` fully specifies the object, `obj_name` should be `'.'` (a dot).

The link access property list, `lapl_id`, may provide information regarding the properties of links required to access `obj_name`. See "Link Access Properties" in the H5P APIs.

Returns:

Returns a positive value if `attr_name` exists.
Returns 0 if `attr_name` does not exist.
Returns a negative value when the function fails.

Example:

Coming Soon!

History:

Release	Change
1.8.0	Function introduced in this release.

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