H5R_CREATE_REGION

H5R_CREATE_REGION

Creates a region reference

Procedure:

H5R_CREATE_REGION (loc_id, name, space_id, oapl_id, ref_ptr)

Signature:

```
herr_t H5Rcreate_region ( hid_t loc_id, const char *name, hid_t space_id, hid_t oapl_id, H5R_ref_t *ref_ptr
)
```

Parameters:

hid_t `loc_id`	IN: Location identifier
const char * `name`	IN: Name of object
hid_t `space_id`	IN: Dataspace identifier
hid_t `oapl_id`	IN: Valid object access property list identifier
H5R_ref_t *r* `ef_ptr`	OUT: Pointer to reference *H5R_ref_t* is defined in `H5Rpublic.h` as: `typedef unsigned char H5R_ref_t[H5R_REF_BUF_SIZE];`

Description:

H5R_CREATE_REGION creates the reference, `ref_ptr`, pointing to the region represented by `space_id` within the object named `name` located at `loc_id`.

The parameters `loc_id` and `name` are used to locate the object. The parameter `space_id` identifies the dataset region that a dataset region reference points to.

The parameter `oapl_id` is an object access property list identifier for the referenced object. The access property list must be of the same type as the object being referenced, that is a dataset property list in this case.

Returns:

Returns a non-negative value if successful; otherwise returns a negative value.

Example:

None

History:

Release	Change
1.12.0	C function was introduced in this release.

--- Last Modified: December 03, 2019 | 02:14 PM