

Dimension Scales

Creating and manipulating HDF5 datasets that are associated with the dimension of another HDF5 dataset (H5DS)

- `H5DS_ATTACH_SCALE` — Attach dimension scale `dsid` to dimension `idx` of dataset `did`.
- `H5DS_DETACH_SCALE` — Detach dimension scale `dsid` from the dimension `idx` of Dataset `did`.
- `H5DS_GET_LABEL` — Read the label for dimension `idx` of `did` into buffer `label`.
- `H5DS_GET_NUM_SCALES` — Determines how many Dimension Scales are attached to dimension `idx` of `did`.
- `H5DS_GET_SCALE_NAME` — Retrieves name of scale `dsid` into buffer `name`.
- `H5DS_IS_ATTACHED` — Report if dimension scale `dsid` is currently attached to dimension `idx` of dataset `did`.
- `H5DS_IS_SCALE` — Determines whether `dset` is a Dimension Scale.
- `H5DS_ITERATE_SCALES` — Iterates the operation visitor through the scales attached to dimension `dim`.
- `H5DS_SET_LABEL` — Set label for the dimension `idx` of `did` to the value `label`.
- `H5DS_SET_SCALE` — Convert dataset `dsid` to a dimension scale, with optional name, `dimname`.

Programming Hints:

To use any of these functions or subroutines, you must first include the relevant include file (C) or module (Fortran) in your application.

The following line includes the HDF5 Dimension Scale package, H5DS, in C applications:

```
#include "hdf5_h1.h"
```

This line includes the H5DS module in Fortran applications:

```
use h5ds
```