

Not HDFS — HDF5 and h5py (Sorry)

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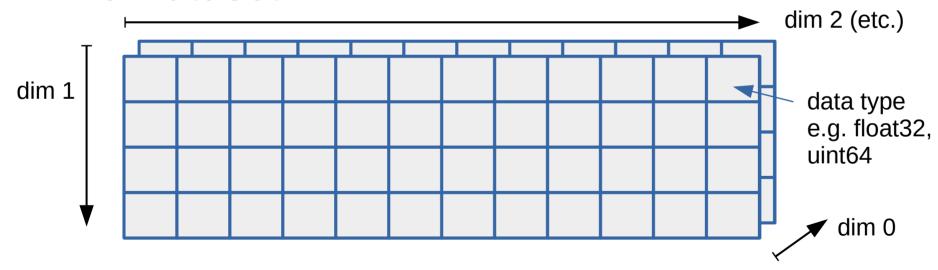
Filesystem in a file

```
[takluyver@localhost scratch]$ h5glance demo.h5
demo.h5
group
Lsubgroup
Ldata1 [uint8: 20]
-link_external -> other_file.h5/path/to/object
link_internal -> group/subgroup
```

File:



HDF5 Dataset:



Drawbacks

- Complex file format
 - Mostly dependent on libhdf5
 - Be wary of untrusted files
- Gaps take up space
- Alternative: exdir (real filesystem)

h5py

```
f = h5py.File('demo2.h5', 'w')
f['grp/data'] = numpy.zeros((10, 20))
f['grp/data'][:] # Read
```