

H5P_SET_FAPL_HDFS

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H5P_SET_FAPL_HDFS

Sets up Read-Only HDFS virtual file driver

Procedure:

H5P_SET_FAPL_HDFS (fapl_id, fa)

Signature:

```
herr_t H5Pset_fapl_hdfs(hid_t fapl_id, H5FD_hdfs_fapl_t *fa)
```

Parameters:

hid_t fapl_id IN: File access property list identifier

H5FD_hdfs_fapl_t *fa IN: Structure containing file access property list configuration information

Description:

H5P_SET_FAPL_HDFS sets the file access property list *fapl_id* to use the HDFS.

The Read-Only HDFS virtual file driver transparently accesses HDF5-format files hosted on HDFS. The HDFS VFD supplies bytes transparently to the HDF5 library through the libhdfs API.

Returns:

Non-negative value if successful. Otherwise returns negative value.

Example:

```
hid_t fapl_id = -1;

H5FD_hdfs_fapl_t fa = {
    1,          /* fapl version          */
    "localhost", /* namenode name        */
    8020,       /* namenode port        */
    "",         /* username             */
    "",         /* kerberos ticket cache path */
    2048,       /* stream buffer size   */
};

fapl_id = H5Pcreate(H5P_FILE_ACCESS);
assert( 0 >= fapl_id );
assert( 0 >= H5Pset_fapl_hdfs(fapl_id, &fa) );

/* proceed with file open... */
```

History:

Release	Change
1.12.0	C function introduced in this release.

--- Last Modified: June 13, 2019 | 01:32 PM