

# 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
1.10.6	C function introduced in this release.

--- Last Modified: February 10, 2020 | 01:19 PM