



Download File

Download File Function (Task)

```
Task<> IPFS.IpfsFunctionLibrary.DownloadFile(  
    IpfsHttpGatewayConfig ipfsHttpGatewayConfig,  
    IpfsAddress ipfsAddress,  
    string writeToFilepath,  
    bool createPathIfMissing,  
    bool overwriteExistingFile)
```

This function downloads a file from the *IPFS* network for the specified CID/Path. This function requires inputs as follows:

- `ipfsHttpGatewayConfig`: Holds the URL of the gateway to send the request to.
- `ipfsAddress`: Holds the CID and path of the file on *IPFS* network.
- `writeToFilepath`: The filepath where the downloaded data is written to.
- `createPathIfMissing`: Creates the filepath to where the downloaded data should be written to if it is missing.
- `overwriteExistingFile`: If set to false and the file exists this function will abort with failure. Otherwise, an existing file will be overwritten.

The returned *Response* is a `Task` that holds data such as headers, status code, and body of the response of the HTTP request.

```
Task<(bool success, string errorMessage, HttpResponseMessage response, string cid)>
```

! INFO

If `success` is `true` that means that the response from the *IPFS* network was successful and writing file to disk to the specified path was also successful.

Download File Function (Delegate)

```
void IPFS.IpfsFunctionLibrary.DownloadFile(  
    IpfsHttpGatewayConfig ipfsHttpGatewayConfig,  
    IpfsAddress ipfsAddress,  
    string writeToFilePath,  
    bool createPathIfMissing,  
    bool overwriteExistingFile,  
    IpfsDownloadFileDelegate responseDelegate)
```

This is a wrapper function for the async implementation. It exists to provide the same functionality but using a delegate for handling responses.

```
delegate void IpfsDownloadFileDelegate(  
    bool success,  
    string errorMessage,  
    HttpResponseMessage response)
```

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