

# GetFile tests

Describes the tests needed to validate the GetFile functionality.

## Basic functionality

Test for the general `getFile` functionality (Upload a file to test on first)

- Attempt to get an existing file from any pillar:
  - Should be delivered to the file in the directory, where the client is run.

```
bin/bitmag.sh get-file -c integrationtest1 -i DefaultFile
```

- Attempt to get a file from a specific pillar (use `-p` argument):
  - Should be delivered to the file in the directory, where the client is run.

```
bin/bitmag.sh get-file -c integrationtest1 -i DefaultFile -p sbtape2
```

- Attempt to get the file delivered to a specific directory or file (use `-l` argument):
  - Should deliver the file at the given directory or file.

```
bin/bitmag.sh get-file -c integrationtest1 -i DefaultFile -l ../NewNameFile
```

## Bad case tests

The following bad case scenarios should be tested to validate that the system handles the requests gracefully, i.e. doesn't crash components and sends a informative error message.

- Attempt to get a file with an unknown fileID.
  - An error should be returned informing the user that no contributors are able to deliver the file.

```
bin/bitmag.sh get-file -c integrationtest1 -i UnknownFileName
```

- Attempt to get a file from a non-existing/unknown collection.
  - Should get an error immediately from the client.

```
bin/bitmag.sh get-file -c yourcollectionhere -i DefaultFile
```

- Attempt to get a file from a pillar, which does not exist.
  - Should get an error immediately from the client.

```
bin/bitmag.sh get-file -c integrationtest1 -i DefaultFile -p pillar-of-eternity
```

- Attempt to get a file from a checksum-pillar.
  - The pillar should deliver a negative response.

```
bin/bitmag.sh get-file -c integrationtest1 -i DefaultFile -p checksum2
```

## Open issues

Key	P	Summary	T	Created
-----	---	---------	---	---------

[No issues found](#)