

Transfer.sh

A simple file sharing service

LUG @ NC State

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Transfer.sh

- **Upload a file using curl, get a link to send to recipients**
- **Link can be downloaded using curl or through website**
- **Unencrypted by default: supply the encryption method yourself**
- **File sizes of up to 10GB**
- **Uploads stored for 14 days**
- **Written in Go, MIT Licensed**

Pretty File Previews in Browser

yeet.txt

type: **text/plain**; charset=utf-8

size: **102** bytes

download

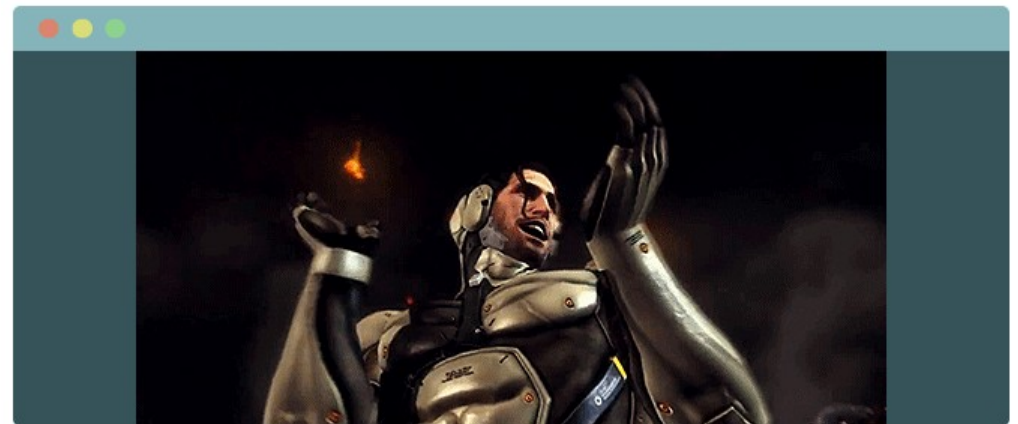
```
This file  
consists of text that  
I wrote with  
my own two hands  
in my favorite text editor  
cat and echo
```

sam.gif

type: **image/gif**

size: **1,047,001** bytes

download



GIFs are animated

Uploading with curl

Give `-upload-file` flag, path to file, and where to upload

```
william@arch-h440:~/Desktop$ curl --upload-file hackmud.txt https://transfer.sh/hackmud.txt  
https://transfer.sh/UJMOC/hackmud.txtwilliam@arch-h440:~/Desktop$ █
```

Simple, but we can make it more simple

Transfer() script

```
1 transfer() {
2   if [ $# -eq 0 ]; # check if file is given in arguments
3   then
4     echo -e "No arguments specified. Usage:\nnecho transfer /tmp/test.md\nncat /tm/test.md | transfer test.md";
5     return 1;
6   fi
7
8   tmpfile=$( mktemp -t transferXXX ); # create a temporary file to store resulting url
9
10  if tty -s; # if reading a file and not piped input
11  then
12    basefile=$(basename "$1" | sed -e 's/[^a-zA-Z0-9._-]/-/g'); # get basename and replace unsafe characters
13    curl --progress-bar --upload-file "$1" "https://transfer.sh/$basefile" >> $tmpfile; # upload file and store url
14  else
15    curl --progress-bar --upload-file "-" "https://transfer.sh/$1" >> $tmpfile ; # upload file and store url
16  fi
17
18  cat $tmpfile; # print url to terminal
19  echo "";
20  rm -f $tmpfile; # cleanup
21 }
```

Provided by transfer.sh

Compression with gzip

```
william@arch-h440:~/Desktop$ gzip -c yeet.txt | transfer compressed-yeet.txt
##### 100.0%
https://transfer.sh/jtGR9/compressed-yeet.txt
william@arch-h440:~/Desktop$ man gzip
william@arch-h440:~/Desktop$ man gzip
william@arch-h440:~/Desktop$ curl https://transfer.sh/jtGR9/compressed-yeet.txt | gzip -d
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  109  100  109    0    0   29      0  0:00:03  0:00:03 --:--:--   29
This file
consists of text that
I wrote with
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in my favorite text editor
cat and echo
william@arch-h440:~/Desktop$ █
```

Encryption with GPG

```
william@arch-h440:~/Desktop$ cat yeet.txt | gpg -ac --batch --passphrase password -o - | transfer encrypted-yeet.txt
##### 100.0%
https://transfer.sh/uidM3/encrypted-yeet.txt
william@arch-h440:~/Desktop$ curl https://transfer.sh/uidM3/encrypted-yeet.txt | gpg --batch --passphrase password -o -
gpg: WARNING: no command supplied. Trying to guess what you mean ...
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  273  100  273    0    0    40      0  0:00:06  0:00:06  --:--:--   61
gpg: AES encrypted data
gpg: encrypted with 1 passphrase
This file
consists of text that
I wrote with
my own two hands
in my favorite text editor
cat and echo
william@arch-h440:~/Desktop$
```