

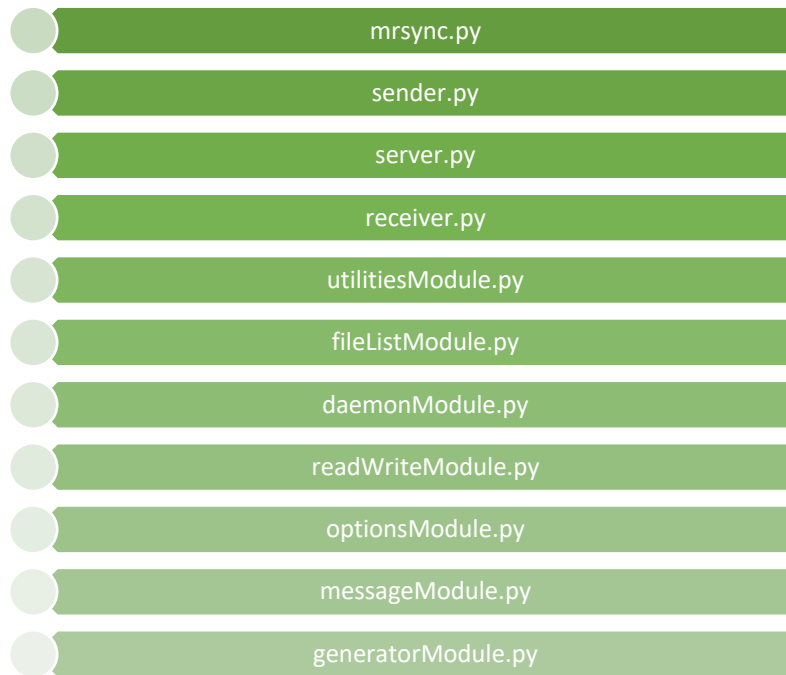


UNIVERSITÉ  
**CÔTE D'AZUR**

# Report on MRSYNC

Written by: BENCHECI Valentin (21911505)  
Verified by: LOZES Etienne

## THE MODULES USED



## OTHER FILES



## FILES HIERARCHY USED FOR TESTS

```
HR_TEST
├── d1
│   └── Capture\ d?\200\231e?\201cran\ 2021-05-08\ a?\200\ 17.15.50.png
├── d2
│   ├── get-pip.py
│   ├── test.sh
│   └── testDaemon.py
├── d3
│   └── img.png
├── d4
└── d5
```

# GENERAL TESTING

## Testing implicit “list-only”

```
valentinbencheci@MBP-de-Valentin mrsync % ./mrsync.py -r ../HR_TEST
drwxr-xr-x      256 2021/05/09 23:10:44 HR_TEST
-rw-r--r--     8196 2021/05/09 23:11:15 HR_TEST/.DS_Store
drwxr-xr-x      96 2021/05/09 23:10:53 HR_TEST/d1
-rw-r--r--    686858 2021/05/08 17:15:51 HR_TEST/d1/Capture d'écran 2021-05-08 à 17.15.50.png
drwxr-xr-x      96 2021/05/09 23:11:15 HR_TEST/d3
-rwxrwxrwx    64000 2021/05/09 08:27:54 HR_TEST/d3/img.png
drwxr-xr-x      64 2021/05/09 23:10:38 HR_TEST/d4
drwxr-xr-x      64 2021/05/09 23:10:42 HR_TEST/d5
drwxr-xr-x     160 2021/05/09 23:11:10 HR_TEST/d2
-rw-r--r--      52 2021/05/08 19:24:53 HR_TEST/d2/testDaemon.py
-rw-r--r--   1937346 2021/05/05 17:00:30 HR_TEST/d2/get-pip.py
-rw-r--r--      21 2021/05/05 18:53:30 HR_TEST/d2/test.sh
```

## Testing “list-only” directly

```
valentinbencheci@MBP-de-Valentin mrsync % ./mrsync.py -r --list-only ../testDir/
drwxrwxrwx      128 2021/05/09 07:00:52 .
-rw-r--r--     6148 2021/05/09 23:17:36 .DS_Store
-rw-rw-rw-    64000 2021/05/09 08:06:27 img.png
```

## Testing local transfer

```
valentinbencheci@MBP-de-Valentin mrsync % ./mrsync.py -r -v ../testDir/ ../HR_TEST
building file list ... done
./DS_Store
./img.png

sent 70236 bytes  received 168 bytes  82334023.41 bytes/sec
total size is 70148  speedup is 1.0
```

## Testing PUSH local

```
valentinbencheci@MBP-de-Valentin mrsync % ./mrsync.py -r -v ../testDir/ distant@localhost:/Users/distantdistant/mrsync
building file list ... done
./DS_Store
./img.png

sent 70236 bytes  received 168 bytes  73317853.59 bytes/sec
total size is 70148  speedup is 1.0
```

## Testing PULL local

```
valentinbencheci@MBP-de-Valentin mrsync % ./mrsync.py -r -v distant@localhost:/Users/distantdistant/mrsync/mrsync.py ../testDir/
building file list ... done
mrsync.py

sent 5107 bytes  received 128 bytes  13582948.97 bytes/sec
total size is 5011  speedup is 1.0
```

## Starting the daemon

```
valentinbencheci@MBP-de-Valentin mrsync % python3 mrsync.py --daemon
```

## Checking daemon (logs and ps)

```
[2021-05-09 22:42:20,327] | [MRSYNC_DAEMON] | [INFO] | [DAEMON STARTED 127.0.0.1:10873]
```

```
valentinbencheci@MBP-de-Valentin mrsync % ps -fe | grep "mrsync"
501 31938 1 0 10:42 ?? 0:00.00 /Library/Frameworks/Python.framework/Versions/3.8/Resources/Python.app/Contents/MacOS/Python mrsync.py --daemon
```

## Testing PUSH remote

```
valentinbenchechi@MBP-de-Valentin mrsync % ./mrsync.py -r -v ../Capture\ d'écran\ 2021-05-08\ à\ 08.27.34.png valentinbenchechi@localhost::/Users/v  
heci/Desktop/mrsync --address localhost --port 10873  
building file list ... done  
Capture d'écran 2021-05-08 à 08.27.34.png  
  
sent 64088 bytes  received 112 bytes  40385299.69 bytes/sec  
total size is 64000  speedup is 1.0
```

## Testing PULL remote

```
valentinbenchechi@MBP-de-Valentin mrsync % ./mrsync.py -r -v valentinbenchechi@localhost::/Users/valentinbenchechi/Desktop/mrsync/test.txt ../HR_TEST --address  
localhost --port 10873  
building file list ... done  
test.txt  
  
sent 727 bytes  received 112 bytes  269083.92 bytes/sec  
total size is 639  speedup is 1.0
```

## Checking logs

[2021-05-09 23:36:16,782]	[MRSYNC_DAEMON]	[INFO]	[NEW REQUEST FROM 127.0.0.1:53104]
[2021-05-09 23:38:04,758]	[MRSYNC_DAEMON]	[INFO]	[NEW REQUEST FROM 127.0.0.1:53108]
[2021-05-09 23:38:22,644]	[MRSYNC_DAEMON]	[INFO]	[NEW REQUEST FROM 127.0.0.1:53109]

**All options (except hard-links) have been implemented (the report is in mrsync.txt).**