Dapster Output

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# Peer Output

**Registering Files**

$ java -jar Peer.jar 2018

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>> register p1-1k.txt

Successfully registered file "p1-1k.txt" with the indexing server.

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>> register p2-2k.txt

Unable to register file "p2-2k.txt": it does not exist!

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>> register p1-2k.txt

Successfully registered file "p1-2k.txt" with the indexing server.

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>>

**Downloading Small File**

$ java -jar Peer.jar 2018

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>> get p2-1k.txt

| Found 1 peers for file p2-1k.txt.

|==> localhost:2019

Downloading from localhost:2019.

Successfully registered file "p2-1k.txt" with the indexing server.

Successfully downloaded p2-1k.txt from localhost:2019.

File size: 904 bytes.

<==|== Start of File Contents ==||==>

This is p2-1k!

This is a text file less than the size of 1K. This will actually show up because it is below 1K. This script will continue

to play a lot of times. Haha!

<==|== End of File Contents ==||==>

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>>

**Downloading Large File With Many Peers**

$ java -jar Peer.jar 2018

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>> get p2-8k.txt

| Found 3 peers for file p2-8k.txt.

|==> localhost:2019

|==> localhost:2020

|==> localhost:2021

Downloading from localhost:2020.

Successfully downloaded p2-8k.txt from localhost:2020.

File size: 8652 bytes.

File is larger than 1K - will not display.

Successfully registered file "p2-8k.txt" with the indexing server.

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>>

**Downloading File With No Peers**

$ java -jar Peer.jar 2018

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>> get fake.txt

No peers with given file name "fake.txt" or server error!

Please enter a command: get {filename} | register {filename} | exit

dapster-peer:2018 >>>

# Peer Log

02-22-2018-20-02-53: SUCCESS sending file p2-1k.txt.

02-22-2018-20-06-46: SUCCESS sending file p2-8k.txt.

02-22-2018-20-07-10: SUCCESS sending file p2-8k.txt.

02-22-2018-20-09-30: SUCCESS sending file p2-8k.txt.

02-22-2018-20-13-04: SUCCESS sending file p2-3k.txt.

02-22-2018-20-13-13: SUCCESS sending file p2-9k.txt.

02-22-2018-20-13-33: SUCCESS sending file p2-10k.txt.

02-22-2018-20-13-39: SUCCESS sending file p2-1k.txt.

02-22-2018-20-13-42: SUCCESS sending file p2-2k.txt.

02-22-2018-20-13-45: SUCCESS sending file p2-1k.txt.

02-22-2018-20-13-52: SUCCESS sending file p2-6k.txt.

# Server Output

**Listing Full Index**

$ java -jar Server.jar

Please enter a command: list | list {filename} | exit

dapster-server >>> list

Indexing Server Contents:

+-- 6 files --+

p2-3k.txt | 2 peers

- localhost:2019

- localhost:2020

p2-6k.txt | 2 peers

- localhost:2019

- localhost:2020

p1-1k.txt | 1 peers

- localhost:2018

p1-2k.txt | 1 peers

- localhost:2018

p2-1k.txt | 4 peers

- localhost:2019

- localhost:2018

- localhost:2020

- localhost:2021

p2-8k.txt | 2 peers

- localhost:2019

- localhost:2020

**Listing Index for One File**

$ java -jar Server.jar

dapster-server >>> list p2-8k.txt

p2-8k.txt | 8 peers

- localhost:2019

- localhost:2020

- localhost:2021

- localhost:2018

- localhost:2018

- localhost:2018

- localhost:2020

- localhost:2020

Please enter a command: list | list {filename} | exit

dapster-server >>>

# Server Log

02-22-2018-20-00-41: Registering localhost:2018 with file p1-1k.txt.

02-22-2018-20-00-56: Registering localhost:2018 with file p1-2k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-10k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-1k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-2k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-3k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-4k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-5k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-6k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-7k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-8k.txt.

02-22-2018-20-02-39: Registering localhost:2019 with file p2-9k.txt.

02-22-2018-20-02-53: Searching for p2-1k.txt: 1 peers found.

02-22-2018-20-02-53: Registering localhost:2018 with file p2-1k.txt.

02-22-2018-20-06-46: Searching for p2-8k.txt: 1 peers found.

02-22-2018-20-06-46: Registering localhost:2020 with file p2-8k.txt.

02-22-2018-20-07-10: Searching for p2-8k.txt: 2 peers found.

02-22-2018-20-07-10: Registering localhost:2021 with file p2-8k.txt.

02-22-2018-20-07-32: Searching for p2-8k.txt: 3 peers found.

02-22-2018-20-07-32: Registering localhost:2022 with file p2-8k.txt.

02-22-2018-20-09-30: Searching for p2-8k.txt: 4 peers found.

02-22-2018-20-09-30: Registering localhost: 2023 with file p2-8k.txt.

02-22-2018-20-09-43: Searching for p2-8k.txt: 5 peers found.

02-22-2018-20-09-43: Registering localhost:2024 with file p2-8k.txt.

02-22-2018-20-10-51: Searching for fake.txt: 0 peers found.

02-22-2018-20-13-04: Searching for p2-3k.txt: 1 peers found.

# Known Issues

**Requested file does not exist at Peer (Peer deliberately deletes file it registered)**

Peer Client:

dapster-peer:2019 >>> get p1-5k.txt

| Found 1 peers for file p1-5k.txt.

|==> localhost:2018

Downloading from localhost:2018.

java.net.SocketException: Connection reset

Peer Server:

dapster-peer:2018 >>> java.io.FileNotFoundException: shared\p1-5k.txt (The system cannot find the file specified)

This issue could be fixed with appropriate exception handling.

**Please check the Troubleshooting section of the Manual for potential misuses of the software**