Listing Files	
This is how you inspect HDFS to see what it contains. Use these commands to find files and their associated metadata.	
hadoop fs -1s ./example	List files in a directory
hadoop fs -1s ./example/matthew*	List files matching a pattern
hadoop fs -ls -h ./example/	List files with human-friendly file sizes (eg 1.3M vs 1331325)
hadoop fs -ls -R ./example/	Recursively list files in this directory AND all child directories.
hadoop fs -ls -d ./example/	List files, but with directories shown as files. So in this case it will show info about the example folder itself.
Uploading/Downloading Files	
Moving files between HDFS and t	he local filesystem and back.
hadoop fs -put ./localfile.txt ./example/	Upload a file from your local machne to a specific directory on HDFS.
hadoop fs -put -f ./localfile.txt ./example/	Upload a file and overwrite any existing file on HDFS.
hadoop fs -put -1 ./localfile.txt ./example/	Upload a file and set a replication factor of 1 (you probably shouldn't ever really use this).
hadoop fs -get ./example/remotefile.txt ./	Download a file from HDFS to your local machine.
<pre>hadoop fs -get -p ./example/remotefile.txt ./</pre>	Download a file from HDFS to your local machine, preserving metadata (eg modified time).
hadoop fs -get ./example/*.txt ./	Download a set of files that match a pattern to your local machine.

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Reading file contents without downloading the file itself.
hadoop fs -text
                                   Print the contents of a file to the terminal.
                                   decompressing if nessecery.
./example/file.txt
                                   Print to the terminal the contents of all files that
hadoop fs -cat
                                  match the provided pattern. Note - this will NOT
./example/*.txt
                                   decompress like 'text' will.
                                   As above, but disable the verification checksum.
hadoop fs [-cat,-text] -
ignoreCrc ./example/*.txt
                                   Append the contents of a local file to a file on
hadoop fs -appendToFile
                                  HDFS. This is only supported in Hadoop versions
./localfile.txt
                                   2.1.1+
./example/remotefile.txt
```

File Management

hadoop fs -mv

./example/f1.txt

./example/directory

Reading & Writing Files

Organize your files with these commands.

./example/f2.txt	
hadoop fs -cp copy a file to a different file/directory (omit the ./example/f1.txt filename to name it the same)	

Move a file to a different file/directory (omit the

./example/f2.txt Delete a file (sends it to the trash) hadoop fs -rm

Actually delete the file. No trash. hadoop fs -rm -skipTrash ./example/f1.txt Recursively delete a directory and it's contents hadoop fs -rm -r

Create a zero-length file (great for creating hadoop is -touchz SUCCESS files). ./example/somefile

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Check on important stuff that is less about your files and more about HDFS. Show capacity and used space of the filesystem. hadoop fs -df -h ./example Will show partition space remaining if you have partitions. hadoop fs -du -h show the amount of space used by matching files

HDFS Administration

./example/*.txt

./example/*.txt	
hadoop fs -expunge	Empty the Trash (useful if you -rm without - skipTrash)

naddop is -expunge	skipTrash)
hadoop fs -chown	Change ownership of a file (use -R for the
owner:group ./example	directory)

hadoop fs -chown owner:group ./example	Change ownership of a file (use -R for the directory)
hadoop is -chmod 0700	Change the mode of the file (eg to 0700)

hadoop fs -chmod 0700 ./example/file.txt	Change the mode of the file (eg to 0700)
hadoop fs -checksum	Fetch checksum information for the matching

intensive).

files (requires a datanode roundtrip, slow and