Prune Date Dirs

[Usage](#h.y6aog9mjy1z8)

[Force](#h.do8bi8wke605)

[Directory Path](#h.pd1hnnp0j4m)

[Days](#h.ajc2054rjr6t)

[SkipTrash](#h.7l9nmx1psgxh)

[Application Logic](#h.ifqm3t66b0u)

[Example](#h.m83p7uuuuy6a)

[Setting up Crontab](#h.nkjg8mqpolda)

[Log Files](#h.ne6ommbn1hfe)

A script has been developed to prune raw data directories for YourCompanyDomain based on the name of the directory in ‘YYYYMMDD’ format. The aim of the script is to be either run in manual mode or via a cron job as any user with the necessary privileges to delete the directories. The script is located in **/usr/local/bin/PruneDateDirs.sh**

The script has to be run as a user who has the privileges required for accessing and removing the directories.

# Usage

The program can be run without any options and the defaults will be taken. The options are as follows:

|  |
| --- |
| [hdfs@bos-rd1-cdh-edge1 init.d]$ /tmp/PruneDateDirs.sh -h  Usage: PruneDateDirs.sh [-f] [-p directory path] [-d days] [-s]  Program will look in the directory path for any directories  with a name of YYYYMMDD and will remove anything older  than -d days old.  -f = force removal without prompting.  -p = directory path to look for directories with the naming  convention of YYYYMMDD. Examples are:  /data/raw/mmapp/\*/\*  which will list for any sub-directories. Only directory  names will be examined.  Default: /data/raw/mmapp/\*/\*  -d = Number of days old for directories to be removed.  Default: 30 days.  -s = use -skipTrash Option |

## Force

The **-f** force option will prevent the script from asking for confirmation before removing the directories. This is required if it is to run as a cron job.

## Directory Path

The **-p** provides the directory path. This can be multi-level path containing multiple wild-cards such as the default **/data/raw/mmapp/\*/\*** which matches directories such as the following:

|  |
| --- |
| /data/raw/mmapp/dual\_lift/20160312  /data/raw/mmapp/dual\_lift/20160313  /data/raw/mmapp/dual\_lift/20160314  /data/raw/mmapp/dual\_lift/20160315  /data/raw/mmapp/eda/20160304  /data/raw/mmapp/eda/20160305  /data/raw/mmapp/eda/20160306 |

More simply it can be a single directory level as follows for **/data/raw/mmapp/users/\***.

|  |
| --- |
| /data/raw/mmapp/users/20160304  /data/raw/mmapp/users/20160305  /data/raw/mmapp/users/20160306  /data/raw/mmapp/users/20160307  /data/raw/mmapp/users/20160308 |

## Days

The **-d** days option provides the number of directories to retain, removing anything older than this number. This is calculated on the date the script is run and minusing the number of days from this. This new date is used to calculate which directories to remove.

## SkipTrash

The **-s** option is used to turn on the **-skipTrash** option when removing the directories.

# Application Logic

The following are the high level logic steps that the application carries out:

* Checks if the user is **hdfs** or exits in error
* Calculates the current date and the delete older date
* Gets listing of all **directories** from the path provided in HDFS and displays all directories
* Lists all directories and those marked for **Pending to Remove**
* If **-f** force option not provided, prompts user for approval to remove directories
* Removes directories to the ~/**.Trash** location unless the **-s** option for **-skipTrash** has been selected

# Example

The following is an example of running the script interactively on a single directory structure.

|  |
| --- |
| [hdfs@bos-rd1-cdh-edge1 init.d]$ /tmp/PruneDateDirs.sh -d 7 -s -p /data/raw/mmapp/users/\*  PruneDateDirs.sh  Directory Path: /data/raw/mmapp/users/\*  Days Older to Delete: 7  Date Now: 20160315  Delete Older Than: 20160308  HDFS Dirs:  /data/raw/mmapp/users/20160304  /data/raw/mmapp/users/20160305  /data/raw/mmapp/users/20160306  /data/raw/mmapp/users/20160307  /data/raw/mmapp/users/20160308  /data/raw/mmapp/users/20160309  /data/raw/mmapp/users/20160310  /data/raw/mmapp/users/20160311  /data/raw/mmapp/users/20160312  /data/raw/mmapp/users/20160313  /data/raw/mmapp/users/20160314  /data/raw/mmapp/users/20160315  PATH: /data/raw/mmapp/users/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/users/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/users/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/users/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/users/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/users/20160309  PATH: /data/raw/mmapp/users/20160310  PATH: /data/raw/mmapp/users/20160311  PATH: /data/raw/mmapp/users/20160312  PATH: /data/raw/mmapp/users/20160313  PATH: /data/raw/mmapp/users/20160314  PATH: /data/raw/mmapp/users/20160315  The Following Directory Paths are Marked for Removal:  /data/raw/mmapp/users/20160304  /data/raw/mmapp/users/20160305  /data/raw/mmapp/users/20160306  /data/raw/mmapp/users/20160307  /data/raw/mmapp/users/20160308  Remove Directory Paths (Y/N)?: y  Removing Directory Paths  Removing Path: /data/raw/mmapp/users/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160304  Removing Path: /data/raw/mmapp/users/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160305  Removing Path: /data/raw/mmapp/users/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160306  Removing Path: /data/raw/mmapp/users/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160307  Removing Path: /data/raw/mmapp/users/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160308 |

The second example is using the default path **/data/raw/mmapp/\*/\*** and also using the **-f** force option.

|  |
| --- |
| [hdfs@bos-rd1-cdh-edge1 init.d]$ /tmp/PruneDateDirs.sh -d 7 -f -s  PruneDateDirs.sh  Directory Path: /data/raw/mmapp/\*/\*  Days Older to Delete: 7  Date Now: 20160315  Delete Older Than: 20160308  HDFS Dirs:  /data/raw/mmapp/blueprints/20160304  /data/raw/mmapp/blueprints/20160305  /data/raw/mmapp/blueprints/20160306  /data/raw/mmapp/blueprints/20160307  /data/raw/mmapp/blueprints/20160308  /data/raw/mmapp/blueprints/20160309  /data/raw/mmapp/blueprints/20160310  /data/raw/mmapp/blueprints/20160311  /data/raw/mmapp/blueprints/20160312  /data/raw/mmapp/blueprints/20160313  /data/raw/mmapp/blueprints/20160314  /data/raw/mmapp/blueprints/20160315  /data/raw/mmapp/chartdata/20160304  /data/raw/mmapp/chartdata/20160305  /data/raw/mmapp/chartdata/20160306  /data/raw/mmapp/chartdata/20160307  /data/raw/mmapp/chartdata/20160308  /data/raw/mmapp/chartdata/20160309  /data/raw/mmapp/chartdata/20160310  /data/raw/mmapp/chartdata/20160311  /data/raw/mmapp/chartdata/20160312  /data/raw/mmapp/chartdata/20160313  /data/raw/mmapp/chartdata/20160314  /data/raw/mmapp/chartdata/20160315  /data/raw/mmapp/dual\_lift/20160304  /data/raw/mmapp/dual\_lift/20160305  /data/raw/mmapp/dual\_lift/20160306  /data/raw/mmapp/dual\_lift/20160307  /data/raw/mmapp/dual\_lift/20160308  /data/raw/mmapp/dual\_lift/20160309  /data/raw/mmapp/dual\_lift/20160310  /data/raw/mmapp/dual\_lift/20160311  /data/raw/mmapp/dual\_lift/20160312  /data/raw/mmapp/dual\_lift/20160313  /data/raw/mmapp/dual\_lift/20160314  /data/raw/mmapp/dual\_lift/20160315  /data/raw/mmapp/eda/20160304  /data/raw/mmapp/eda/20160305  /data/raw/mmapp/eda/20160306  /data/raw/mmapp/eda/20160307  /data/raw/mmapp/eda/20160308  /data/raw/mmapp/eda/20160309  /data/raw/mmapp/eda/20160310  /data/raw/mmapp/eda/20160311  /data/raw/mmapp/eda/20160312  /data/raw/mmapp/eda/20160313  /data/raw/mmapp/eda/20160314  /data/raw/mmapp/eda/20160315  /data/raw/mmapp/eda\_map/20160304  /data/raw/mmapp/eda\_map/20160305  /data/raw/mmapp/eda\_map/20160306  /data/raw/mmapp/eda\_map/20160307  /data/raw/mmapp/eda\_map/20160308  /data/raw/mmapp/eda\_map/20160309  /data/raw/mmapp/eda\_map/20160310  /data/raw/mmapp/eda\_map/20160311  /data/raw/mmapp/eda\_map/20160312  /data/raw/mmapp/eda\_map/20160313  /data/raw/mmapp/eda\_map/20160314  /data/raw/mmapp/eda\_map/20160315  /data/raw/mmapp/events/20160304  /data/raw/mmapp/events/20160305  /data/raw/mmapp/events/20160306  /data/raw/mmapp/events/20160307  /data/raw/mmapp/events/20160308  /data/raw/mmapp/events/20160309  /data/raw/mmapp/events/20160310  /data/raw/mmapp/events/20160311  /data/raw/mmapp/events/20160312  /data/raw/mmapp/events/20160313  /data/raw/mmapp/events/20160314  /data/raw/mmapp/events/20160315  /data/raw/mmapp/instance\_log/20160304  /data/raw/mmapp/instance\_log/20160305  /data/raw/mmapp/instance\_log/20160306  /data/raw/mmapp/instance\_log/20160307  /data/raw/mmapp/instance\_log/20160308  /data/raw/mmapp/instance\_log/20160309  /data/raw/mmapp/instance\_log/20160310  /data/raw/mmapp/instance\_log/20160311  /data/raw/mmapp/instance\_log/20160312  /data/raw/mmapp/instance\_log/20160313  /data/raw/mmapp/instance\_log/20160314  /data/raw/mmapp/instance\_log/20160315  /data/raw/mmapp/instance\_requests/20160304  /data/raw/mmapp/instance\_requests/20160305  /data/raw/mmapp/instance\_requests/20160306  /data/raw/mmapp/instance\_requests/20160307  /data/raw/mmapp/instance\_requests/20160308  /data/raw/mmapp/instance\_requests/20160309  /data/raw/mmapp/instance\_requests/20160310  /data/raw/mmapp/instance\_requests/20160311  /data/raw/mmapp/instance\_requests/20160312  /data/raw/mmapp/instance\_requests/20160313  /data/raw/mmapp/instance\_requests/20160314  /data/raw/mmapp/instance\_requests/20160315  /data/raw/mmapp/instances/20160304  /data/raw/mmapp/instances/20160305  /data/raw/mmapp/instances/20160306  /data/raw/mmapp/instances/20160307  /data/raw/mmapp/instances/20160308  /data/raw/mmapp/instances/20160309  /data/raw/mmapp/instances/20160310  /data/raw/mmapp/instances/20160311  /data/raw/mmapp/instances/20160312  /data/raw/mmapp/instances/20160314  /data/raw/mmapp/instances/20160315  /data/raw/mmapp/job\_history/20160304  /data/raw/mmapp/job\_history/20160305  /data/raw/mmapp/job\_history/20160306  /data/raw/mmapp/job\_history/20160307  /data/raw/mmapp/job\_history/20160308  /data/raw/mmapp/job\_history/20160309  /data/raw/mmapp/job\_history/20160310  /data/raw/mmapp/job\_history/20160311  /data/raw/mmapp/job\_history/20160312  /data/raw/mmapp/job\_history/20160314  /data/raw/mmapp/job\_history/20160315  /data/raw/mmapp/leaderboard/20160304  /data/raw/mmapp/leaderboard/20160305  /data/raw/mmapp/leaderboard/20160306  /data/raw/mmapp/leaderboard/20160307  /data/raw/mmapp/leaderboard/20160308  /data/raw/mmapp/leaderboard/20160309  /data/raw/mmapp/leaderboard/20160310  /data/raw/mmapp/leaderboard/20160311  /data/raw/mmapp/leaderboard/20160312  /data/raw/mmapp/leaderboard/20160314  /data/raw/mmapp/leaderboard/20160315  /data/raw/mmapp/metablueprint/20160304  /data/raw/mmapp/metablueprint/20160305  /data/raw/mmapp/metablueprint/20160306  /data/raw/mmapp/metablueprint/20160307  /data/raw/mmapp/metablueprint/20160308  /data/raw/mmapp/metablueprint/20160309  /data/raw/mmapp/metablueprint/20160310  /data/raw/mmapp/metablueprint/20160311  /data/raw/mmapp/metablueprint/20160312  /data/raw/mmapp/metablueprint/20160314  /data/raw/mmapp/metablueprint/20160315  /data/raw/mmapp/metadata/20160304  /data/raw/mmapp/metadata/20160305  /data/raw/mmapp/metadata/20160306  /data/raw/mmapp/metadata/20160307  /data/raw/mmapp/metadata/20160308  /data/raw/mmapp/metadata/20160309  /data/raw/mmapp/metadata/20160310  /data/raw/mmapp/metadata/20160311  /data/raw/mmapp/metadata/20160312  /data/raw/mmapp/metadata/20160313  /data/raw/mmapp/metadata/20160314  /data/raw/mmapp/metadata/20160315  /data/raw/mmapp/metrics\_data/20160304  /data/raw/mmapp/metrics\_data/20160305  /data/raw/mmapp/metrics\_data/20160306  /data/raw/mmapp/metrics\_data/20160307  /data/raw/mmapp/metrics\_data/20160308  /data/raw/mmapp/metrics\_data/20160309  /data/raw/mmapp/metrics\_data/20160310  /data/raw/mmapp/metrics\_data/20160311  /data/raw/mmapp/metrics\_data/20160312  /data/raw/mmapp/metrics\_data/20160313  /data/raw/mmapp/metrics\_data/20160314  /data/raw/mmapp/metrics\_data/20160315  /data/raw/mmapp/model\_access/20160304  /data/raw/mmapp/model\_access/20160305  /data/raw/mmapp/model\_access/20160306  /data/raw/mmapp/model\_access/20160307  /data/raw/mmapp/model\_access/20160308  /data/raw/mmapp/model\_access/20160309  /data/raw/mmapp/model\_access/20160310  /data/raw/mmapp/model\_access/20160311  /data/raw/mmapp/model\_access/20160312  /data/raw/mmapp/model\_access/20160313  /data/raw/mmapp/model\_access/20160314  /data/raw/mmapp/model\_access/20160315  /data/raw/mmapp/model\_code/20160304  /data/raw/mmapp/model\_code/20160305  /data/raw/mmapp/model\_code/20160306  /data/raw/mmapp/model\_code/20160307  /data/raw/mmapp/model\_code/20160308  /data/raw/mmapp/model\_code/20160309  /data/raw/mmapp/model\_code/20160310  /data/raw/mmapp/model\_code/20160311  /data/raw/mmapp/model\_code/20160312  /data/raw/mmapp/model\_code/20160313  /data/raw/mmapp/model\_code/20160314  /data/raw/mmapp/model\_code/20160315  /data/raw/mmapp/model\_xray/20160304  /data/raw/mmapp/model\_xray/20160305  /data/raw/mmapp/model\_xray/20160306  /data/raw/mmapp/model\_xray/20160307  /data/raw/mmapp/model\_xray/20160308  /data/raw/mmapp/model\_xray/20160309  /data/raw/mmapp/model\_xray/20160310  /data/raw/mmapp/model\_xray/20160311  /data/raw/mmapp/model\_xray/20160312  /data/raw/mmapp/model\_xray/20160313  /data/raw/mmapp/model\_xray/20160314  /data/raw/mmapp/model\_xray/20160315  /data/raw/mmapp/open\_model\_code/20160304  /data/raw/mmapp/open\_model\_code/20160305  /data/raw/mmapp/open\_model\_code/20160306  /data/raw/mmapp/open\_model\_code/20160307  /data/raw/mmapp/open\_model\_code/20160308  /data/raw/mmapp/open\_model\_code/20160309  /data/raw/mmapp/open\_model\_code/20160310  /data/raw/mmapp/open\_model\_code/20160311  /data/raw/mmapp/open\_model\_code/20160312  /data/raw/mmapp/open\_model\_code/20160313  /data/raw/mmapp/open\_model\_code/20160314  /data/raw/mmapp/open\_model\_code/20160315  /data/raw/mmapp/organization/20160304  /data/raw/mmapp/organization/20160305  /data/raw/mmapp/organization/20160306  /data/raw/mmapp/organization/20160307  /data/raw/mmapp/organization/20160308  /data/raw/mmapp/organization/20160309  /data/raw/mmapp/organization/20160310  /data/raw/mmapp/organization/20160311  /data/raw/mmapp/organization/20160312  /data/raw/mmapp/organization/20160313  /data/raw/mmapp/organization/20160314  /data/raw/mmapp/organization/20160315  /data/raw/mmapp/organization\_log/20160304  /data/raw/mmapp/organization\_log/20160305  /data/raw/mmapp/organization\_log/20160306  /data/raw/mmapp/organization\_log/20160307  /data/raw/mmapp/organization\_log/20160308  /data/raw/mmapp/organization\_log/20160309  /data/raw/mmapp/organization\_log/20160310  /data/raw/mmapp/organization\_log/20160311  /data/raw/mmapp/organization\_log/20160312  /data/raw/mmapp/organization\_log/20160313  /data/raw/mmapp/organization\_log/20160314  /data/raw/mmapp/organization\_log/20160315  /data/raw/mmapp/predict\_code/20160304  /data/raw/mmapp/predict\_code/20160305  /data/raw/mmapp/predict\_code/20160306  /data/raw/mmapp/predict\_code/20160307  /data/raw/mmapp/predict\_code/20160308  /data/raw/mmapp/predict\_code/20160309  /data/raw/mmapp/predict\_code/20160310  /data/raw/mmapp/predict\_code/20160311  /data/raw/mmapp/predict\_code/20160312  /data/raw/mmapp/predict\_code/20160313  /data/raw/mmapp/predict\_code/20160314  /data/raw/mmapp/predict\_code/20160315  /data/raw/mmapp/prediction\_tabulation/20160304  /data/raw/mmapp/prediction\_tabulation/20160305  /data/raw/mmapp/prediction\_tabulation/20160306  /data/raw/mmapp/prediction\_tabulation/20160307  /data/raw/mmapp/prediction\_tabulation/20160308  /data/raw/mmapp/prediction\_tabulation/20160309  /data/raw/mmapp/prediction\_tabulation/20160310  /data/raw/mmapp/prediction\_tabulation/20160311  /data/raw/mmapp/prediction\_tabulation/20160312  /data/raw/mmapp/prediction\_tabulation/20160313  /data/raw/mmapp/prediction\_tabulation/20160314  /data/raw/mmapp/prediction\_tabulation/20160315  /data/raw/mmapp/predictions/20160304  /data/raw/mmapp/predictions/20160305  /data/raw/mmapp/predictions/20160306  /data/raw/mmapp/predictions/20160307  /data/raw/mmapp/predictions/20160308  /data/raw/mmapp/predictions/20160309  /data/raw/mmapp/predictions/20160310  /data/raw/mmapp/predictions/20160311  /data/raw/mmapp/predictions/20160312  /data/raw/mmapp/predictions/20160313  /data/raw/mmapp/predictions/20160314  /data/raw/mmapp/predictions/20160315  /data/raw/mmapp/project/20160304  /data/raw/mmapp/project/20160305  /data/raw/mmapp/project/20160306  /data/raw/mmapp/project/20160307  /data/raw/mmapp/project/20160308  /data/raw/mmapp/project/20160309  /data/raw/mmapp/project/20160310  /data/raw/mmapp/project/20160311  /data/raw/mmapp/project/20160312  /data/raw/mmapp/project/20160313  /data/raw/mmapp/project/20160314  /data/raw/mmapp/project/20160315  /data/raw/mmapp/project\_clone/20160304  /data/raw/mmapp/project\_clone/20160305  /data/raw/mmapp/project\_clone/20160306  /data/raw/mmapp/project\_clone/20160307  /data/raw/mmapp/project\_clone/20160308  /data/raw/mmapp/project\_clone/20160309  /data/raw/mmapp/project\_clone/20160310  /data/raw/mmapp/project\_clone/20160311  /data/raw/mmapp/project\_clone/20160312  /data/raw/mmapp/project\_clone/20160313  /data/raw/mmapp/project\_clone/20160314  /data/raw/mmapp/project\_clone/20160315  /data/raw/mmapp/proxy\_auth/20160304  /data/raw/mmapp/proxy\_auth/20160305  /data/raw/mmapp/proxy\_auth/20160306  /data/raw/mmapp/proxy\_auth/20160307  /data/raw/mmapp/proxy\_auth/20160308  /data/raw/mmapp/proxy\_auth/20160309  /data/raw/mmapp/proxy\_auth/20160310  /data/raw/mmapp/proxy\_auth/20160311  /data/raw/mmapp/proxy\_auth/20160312  /data/raw/mmapp/proxy\_auth/20160313  /data/raw/mmapp/proxy\_auth/20160314  /data/raw/mmapp/proxy\_auth/20160315  /data/raw/mmapp/request\_tracker/20160304  /data/raw/mmapp/request\_tracker/20160305  /data/raw/mmapp/request\_tracker/20160306  /data/raw/mmapp/request\_tracker/20160307  /data/raw/mmapp/request\_tracker/20160308  /data/raw/mmapp/request\_tracker/20160309  /data/raw/mmapp/request\_tracker/20160310  /data/raw/mmapp/request\_tracker/20160311  /data/raw/mmapp/request\_tracker/20160312  /data/raw/mmapp/request\_tracker/20160313  /data/raw/mmapp/request\_tracker/20160314  /data/raw/mmapp/request\_tracker/20160315  /data/raw/mmapp/storage/20160304  /data/raw/mmapp/storage/20160305  /data/raw/mmapp/storage/20160306  /data/raw/mmapp/storage/20160307  /data/raw/mmapp/storage/20160308  /data/raw/mmapp/storage/20160309  /data/raw/mmapp/storage/20160310  /data/raw/mmapp/storage/20160311  /data/raw/mmapp/storage/20160312  /data/raw/mmapp/storage/20160313  /data/raw/mmapp/storage/20160314  /data/raw/mmapp/storage/20160315  /data/raw/mmapp/users/20160304  /data/raw/mmapp/users/20160305  /data/raw/mmapp/users/20160306  /data/raw/mmapp/users/20160307  /data/raw/mmapp/users/20160308  /data/raw/mmapp/users/20160309  /data/raw/mmapp/users/20160310  /data/raw/mmapp/users/20160311  /data/raw/mmapp/users/20160312  /data/raw/mmapp/users/20160313  /data/raw/mmapp/users/20160314  /data/raw/mmapp/users/20160315  PATH: /data/raw/mmapp/blueprints/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/blueprints/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/blueprints/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/blueprints/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/blueprints/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/blueprints/20160309  PATH: /data/raw/mmapp/blueprints/20160310  PATH: /data/raw/mmapp/blueprints/20160311  PATH: /data/raw/mmapp/blueprints/20160312  PATH: /data/raw/mmapp/blueprints/20160313  PATH: /data/raw/mmapp/blueprints/20160314  PATH: /data/raw/mmapp/blueprints/20160315  PATH: /data/raw/mmapp/chartdata/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/chartdata/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/chartdata/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/chartdata/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/chartdata/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/chartdata/20160309  PATH: /data/raw/mmapp/chartdata/20160310  PATH: /data/raw/mmapp/chartdata/20160311  PATH: /data/raw/mmapp/chartdata/20160312  PATH: /data/raw/mmapp/chartdata/20160313  PATH: /data/raw/mmapp/chartdata/20160314  PATH: /data/raw/mmapp/chartdata/20160315  PATH: /data/raw/mmapp/dual\_lift/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/dual\_lift/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/dual\_lift/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/dual\_lift/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/dual\_lift/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/dual\_lift/20160309  PATH: /data/raw/mmapp/dual\_lift/20160310  PATH: /data/raw/mmapp/dual\_lift/20160311  PATH: /data/raw/mmapp/dual\_lift/20160312  PATH: /data/raw/mmapp/dual\_lift/20160313  PATH: /data/raw/mmapp/dual\_lift/20160314  PATH: /data/raw/mmapp/dual\_lift/20160315  PATH: /data/raw/mmapp/eda/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/eda/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/eda/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/eda/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/eda/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/eda/20160309  PATH: /data/raw/mmapp/eda/20160310  PATH: /data/raw/mmapp/eda/20160311  PATH: /data/raw/mmapp/eda/20160312  PATH: /data/raw/mmapp/eda/20160313  PATH: /data/raw/mmapp/eda/20160314  PATH: /data/raw/mmapp/eda/20160315  PATH: /data/raw/mmapp/eda\_map/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/eda\_map/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/eda\_map/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/eda\_map/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/eda\_map/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/eda\_map/20160309  PATH: /data/raw/mmapp/eda\_map/20160310  PATH: /data/raw/mmapp/eda\_map/20160311  PATH: /data/raw/mmapp/eda\_map/20160312  PATH: /data/raw/mmapp/eda\_map/20160313  PATH: /data/raw/mmapp/eda\_map/20160314  PATH: /data/raw/mmapp/eda\_map/20160315  PATH: /data/raw/mmapp/events/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/events/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/events/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/events/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/events/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/events/20160309  PATH: /data/raw/mmapp/events/20160310  PATH: /data/raw/mmapp/events/20160311  PATH: /data/raw/mmapp/events/20160312  PATH: /data/raw/mmapp/events/20160313  PATH: /data/raw/mmapp/events/20160314  PATH: /data/raw/mmapp/events/20160315  PATH: /data/raw/mmapp/instance\_log/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/instance\_log/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/instance\_log/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/instance\_log/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/instance\_log/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/instance\_log/20160309  PATH: /data/raw/mmapp/instance\_log/20160310  PATH: /data/raw/mmapp/instance\_log/20160311  PATH: /data/raw/mmapp/instance\_log/20160312  PATH: /data/raw/mmapp/instance\_log/20160313  PATH: /data/raw/mmapp/instance\_log/20160314  PATH: /data/raw/mmapp/instance\_log/20160315  PATH: /data/raw/mmapp/instance\_requests/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/instance\_requests/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/instance\_requests/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/instance\_requests/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/instance\_requests/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/instance\_requests/20160309  PATH: /data/raw/mmapp/instance\_requests/20160310  PATH: /data/raw/mmapp/instance\_requests/20160311  PATH: /data/raw/mmapp/instance\_requests/20160312  PATH: /data/raw/mmapp/instance\_requests/20160313  PATH: /data/raw/mmapp/instance\_requests/20160314  PATH: /data/raw/mmapp/instance\_requests/20160315  PATH: /data/raw/mmapp/instances/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/instances/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/instances/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/instances/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/instances/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/instances/20160309  PATH: /data/raw/mmapp/instances/20160310  PATH: /data/raw/mmapp/instances/20160311  PATH: /data/raw/mmapp/instances/20160312  PATH: /data/raw/mmapp/instances/20160314  PATH: /data/raw/mmapp/instances/20160315  PATH: /data/raw/mmapp/job\_history/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/job\_history/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/job\_history/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/job\_history/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/job\_history/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/job\_history/20160309  PATH: /data/raw/mmapp/job\_history/20160310  PATH: /data/raw/mmapp/job\_history/20160311  PATH: /data/raw/mmapp/job\_history/20160312  PATH: /data/raw/mmapp/job\_history/20160314  PATH: /data/raw/mmapp/job\_history/20160315  PATH: /data/raw/mmapp/leaderboard/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/leaderboard/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/leaderboard/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/leaderboard/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/leaderboard/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/leaderboard/20160309  PATH: /data/raw/mmapp/leaderboard/20160310  PATH: /data/raw/mmapp/leaderboard/20160311  PATH: /data/raw/mmapp/leaderboard/20160312  PATH: /data/raw/mmapp/leaderboard/20160314  PATH: /data/raw/mmapp/leaderboard/20160315  PATH: /data/raw/mmapp/metablueprint/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/metablueprint/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/metablueprint/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/metablueprint/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/metablueprint/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/metablueprint/20160309  PATH: /data/raw/mmapp/metablueprint/20160310  PATH: /data/raw/mmapp/metablueprint/20160311  PATH: /data/raw/mmapp/metablueprint/20160312  PATH: /data/raw/mmapp/metablueprint/20160314  PATH: /data/raw/mmapp/metablueprint/20160315  PATH: /data/raw/mmapp/metadata/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/metadata/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/metadata/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/metadata/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/metadata/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/metadata/20160309  PATH: /data/raw/mmapp/metadata/20160310  PATH: /data/raw/mmapp/metadata/20160311  PATH: /data/raw/mmapp/metadata/20160312  PATH: /data/raw/mmapp/metadata/20160313  PATH: /data/raw/mmapp/metadata/20160314  PATH: /data/raw/mmapp/metadata/20160315  PATH: /data/raw/mmapp/metrics\_data/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/metrics\_data/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/metrics\_data/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/metrics\_data/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/metrics\_data/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/metrics\_data/20160309  PATH: /data/raw/mmapp/metrics\_data/20160310  PATH: /data/raw/mmapp/metrics\_data/20160311  PATH: /data/raw/mmapp/metrics\_data/20160312  PATH: /data/raw/mmapp/metrics\_data/20160313  PATH: /data/raw/mmapp/metrics\_data/20160314  PATH: /data/raw/mmapp/metrics\_data/20160315  PATH: /data/raw/mmapp/model\_access/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/model\_access/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/model\_access/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/model\_access/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/model\_access/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/model\_access/20160309  PATH: /data/raw/mmapp/model\_access/20160310  PATH: /data/raw/mmapp/model\_access/20160311  PATH: /data/raw/mmapp/model\_access/20160312  PATH: /data/raw/mmapp/model\_access/20160313  PATH: /data/raw/mmapp/model\_access/20160314  PATH: /data/raw/mmapp/model\_access/20160315  PATH: /data/raw/mmapp/model\_code/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/model\_code/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/model\_code/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/model\_code/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/model\_code/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/model\_code/20160309  PATH: /data/raw/mmapp/model\_code/20160310  PATH: /data/raw/mmapp/model\_code/20160311  PATH: /data/raw/mmapp/model\_code/20160312  PATH: /data/raw/mmapp/model\_code/20160313  PATH: /data/raw/mmapp/model\_code/20160314  PATH: /data/raw/mmapp/model\_code/20160315  PATH: /data/raw/mmapp/model\_xray/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/model\_xray/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/model\_xray/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/model\_xray/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/model\_xray/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/model\_xray/20160309  PATH: /data/raw/mmapp/model\_xray/20160310  PATH: /data/raw/mmapp/model\_xray/20160311  PATH: /data/raw/mmapp/model\_xray/20160312  PATH: /data/raw/mmapp/model\_xray/20160313  PATH: /data/raw/mmapp/model\_xray/20160314  PATH: /data/raw/mmapp/model\_xray/20160315  PATH: /data/raw/mmapp/open\_model\_code/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/open\_model\_code/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/open\_model\_code/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/open\_model\_code/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/open\_model\_code/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/open\_model\_code/20160309  PATH: /data/raw/mmapp/open\_model\_code/20160310  PATH: /data/raw/mmapp/open\_model\_code/20160311  PATH: /data/raw/mmapp/open\_model\_code/20160312  PATH: /data/raw/mmapp/open\_model\_code/20160313  PATH: /data/raw/mmapp/open\_model\_code/20160314  PATH: /data/raw/mmapp/open\_model\_code/20160315  PATH: /data/raw/mmapp/organization/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/organization/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/organization/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/organization/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/organization/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/organization/20160309  PATH: /data/raw/mmapp/organization/20160310  PATH: /data/raw/mmapp/organization/20160311  PATH: /data/raw/mmapp/organization/20160312  PATH: /data/raw/mmapp/organization/20160313  PATH: /data/raw/mmapp/organization/20160314  PATH: /data/raw/mmapp/organization/20160315  PATH: /data/raw/mmapp/organization\_log/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/organization\_log/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/organization\_log/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/organization\_log/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/organization\_log/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/organization\_log/20160309  PATH: /data/raw/mmapp/organization\_log/20160310  PATH: /data/raw/mmapp/organization\_log/20160311  PATH: /data/raw/mmapp/organization\_log/20160312  PATH: /data/raw/mmapp/organization\_log/20160313  PATH: /data/raw/mmapp/organization\_log/20160314  PATH: /data/raw/mmapp/organization\_log/20160315  PATH: /data/raw/mmapp/predict\_code/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/predict\_code/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/predict\_code/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/predict\_code/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/predict\_code/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/predict\_code/20160309  PATH: /data/raw/mmapp/predict\_code/20160310  PATH: /data/raw/mmapp/predict\_code/20160311  PATH: /data/raw/mmapp/predict\_code/20160312  PATH: /data/raw/mmapp/predict\_code/20160313  PATH: /data/raw/mmapp/predict\_code/20160314  PATH: /data/raw/mmapp/predict\_code/20160315  PATH: /data/raw/mmapp/prediction\_tabulation/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/prediction\_tabulation/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/prediction\_tabulation/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/prediction\_tabulation/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/prediction\_tabulation/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/prediction\_tabulation/20160309  PATH: /data/raw/mmapp/prediction\_tabulation/20160310  PATH: /data/raw/mmapp/prediction\_tabulation/20160311  PATH: /data/raw/mmapp/prediction\_tabulation/20160312  PATH: /data/raw/mmapp/prediction\_tabulation/20160313  PATH: /data/raw/mmapp/prediction\_tabulation/20160314  PATH: /data/raw/mmapp/prediction\_tabulation/20160315  PATH: /data/raw/mmapp/predictions/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/predictions/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/predictions/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/predictions/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/predictions/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/predictions/20160309  PATH: /data/raw/mmapp/predictions/20160310  PATH: /data/raw/mmapp/predictions/20160311  PATH: /data/raw/mmapp/predictions/20160312  PATH: /data/raw/mmapp/predictions/20160313  PATH: /data/raw/mmapp/predictions/20160314  PATH: /data/raw/mmapp/predictions/20160315  PATH: /data/raw/mmapp/project/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/project/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/project/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/project/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/project/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/project/20160309  PATH: /data/raw/mmapp/project/20160310  PATH: /data/raw/mmapp/project/20160311  PATH: /data/raw/mmapp/project/20160312  PATH: /data/raw/mmapp/project/20160313  PATH: /data/raw/mmapp/project/20160314  PATH: /data/raw/mmapp/project/20160315  PATH: /data/raw/mmapp/project\_clone/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/project\_clone/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/project\_clone/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/project\_clone/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/project\_clone/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/project\_clone/20160309  PATH: /data/raw/mmapp/project\_clone/20160310  PATH: /data/raw/mmapp/project\_clone/20160311  PATH: /data/raw/mmapp/project\_clone/20160312  PATH: /data/raw/mmapp/project\_clone/20160313  PATH: /data/raw/mmapp/project\_clone/20160314  PATH: /data/raw/mmapp/project\_clone/20160315  PATH: /data/raw/mmapp/proxy\_auth/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/proxy\_auth/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/proxy\_auth/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/proxy\_auth/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/proxy\_auth/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/proxy\_auth/20160309  PATH: /data/raw/mmapp/proxy\_auth/20160310  PATH: /data/raw/mmapp/proxy\_auth/20160311  PATH: /data/raw/mmapp/proxy\_auth/20160312  PATH: /data/raw/mmapp/proxy\_auth/20160313  PATH: /data/raw/mmapp/proxy\_auth/20160314  PATH: /data/raw/mmapp/proxy\_auth/20160315  PATH: /data/raw/mmapp/request\_tracker/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/request\_tracker/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/request\_tracker/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/request\_tracker/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/request\_tracker/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/request\_tracker/20160309  PATH: /data/raw/mmapp/request\_tracker/20160310  PATH: /data/raw/mmapp/request\_tracker/20160311  PATH: /data/raw/mmapp/request\_tracker/20160312  PATH: /data/raw/mmapp/request\_tracker/20160313  PATH: /data/raw/mmapp/request\_tracker/20160314  PATH: /data/raw/mmapp/request\_tracker/20160315  PATH: /data/raw/mmapp/storage/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/storage/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/storage/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/storage/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/storage/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/storage/20160309  PATH: /data/raw/mmapp/storage/20160310  PATH: /data/raw/mmapp/storage/20160311  PATH: /data/raw/mmapp/storage/20160312  PATH: /data/raw/mmapp/storage/20160313  PATH: /data/raw/mmapp/storage/20160314  PATH: /data/raw/mmapp/storage/20160315  PATH: /data/raw/mmapp/users/20160304 - Pending to Remove 20160304  PATH: /data/raw/mmapp/users/20160305 - Pending to Remove 20160305  PATH: /data/raw/mmapp/users/20160306 - Pending to Remove 20160306  PATH: /data/raw/mmapp/users/20160307 - Pending to Remove 20160307  PATH: /data/raw/mmapp/users/20160308 - Pending to Remove 20160308  PATH: /data/raw/mmapp/users/20160309  PATH: /data/raw/mmapp/users/20160310  PATH: /data/raw/mmapp/users/20160311  PATH: /data/raw/mmapp/users/20160312  PATH: /data/raw/mmapp/users/20160313  PATH: /data/raw/mmapp/users/20160314  PATH: /data/raw/mmapp/users/20160315  Removing Directory Paths  Removing Path: /data/raw/mmapp/blueprints/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/blueprints/20160304  Removing Path: /data/raw/mmapp/blueprints/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/blueprints/20160305  Removing Path: /data/raw/mmapp/blueprints/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/blueprints/20160306  Removing Path: /data/raw/mmapp/blueprints/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/blueprints/20160307  Removing Path: /data/raw/mmapp/blueprints/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/blueprints/20160308  Removing Path: /data/raw/mmapp/chartdata/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/chartdata/20160304  Removing Path: /data/raw/mmapp/chartdata/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/chartdata/20160305  Removing Path: /data/raw/mmapp/chartdata/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/chartdata/20160306  Removing Path: /data/raw/mmapp/chartdata/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/chartdata/20160307  Removing Path: /data/raw/mmapp/chartdata/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/chartdata/20160308  Removing Path: /data/raw/mmapp/dual\_lift/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/dual\_lift/20160304  Removing Path: /data/raw/mmapp/dual\_lift/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/dual\_lift/20160305  Removing Path: /data/raw/mmapp/dual\_lift/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/dual\_lift/20160306  Removing Path: /data/raw/mmapp/dual\_lift/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/dual\_lift/20160307  Removing Path: /data/raw/mmapp/dual\_lift/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/dual\_lift/20160308  Removing Path: /data/raw/mmapp/eda/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda/20160304  Removing Path: /data/raw/mmapp/eda/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda/20160305  Removing Path: /data/raw/mmapp/eda/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda/20160306  Removing Path: /data/raw/mmapp/eda/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda/20160307  Removing Path: /data/raw/mmapp/eda/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda/20160308  Removing Path: /data/raw/mmapp/eda\_map/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda\_map/20160304  Removing Path: /data/raw/mmapp/eda\_map/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda\_map/20160305  Removing Path: /data/raw/mmapp/eda\_map/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda\_map/20160306  Removing Path: /data/raw/mmapp/eda\_map/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda\_map/20160307  Removing Path: /data/raw/mmapp/eda\_map/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/eda\_map/20160308  Removing Path: /data/raw/mmapp/events/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/events/20160304  Removing Path: /data/raw/mmapp/events/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/events/20160305  Removing Path: /data/raw/mmapp/events/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/events/20160306  Removing Path: /data/raw/mmapp/events/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/events/20160307  Removing Path: /data/raw/mmapp/events/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/events/20160308  Removing Path: /data/raw/mmapp/instance\_log/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_log/20160304  Removing Path: /data/raw/mmapp/instance\_log/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_log/20160305  Removing Path: /data/raw/mmapp/instance\_log/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_log/20160306  Removing Path: /data/raw/mmapp/instance\_log/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_log/20160307  Removing Path: /data/raw/mmapp/instance\_log/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_log/20160308  Removing Path: /data/raw/mmapp/instance\_requests/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_requests/20160304  Removing Path: /data/raw/mmapp/instance\_requests/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_requests/20160305  Removing Path: /data/raw/mmapp/instance\_requests/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_requests/20160306  Removing Path: /data/raw/mmapp/instance\_requests/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_requests/20160307  Removing Path: /data/raw/mmapp/instance\_requests/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instance\_requests/20160308  Removing Path: /data/raw/mmapp/instances/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instances/20160304  Removing Path: /data/raw/mmapp/instances/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instances/20160305  Removing Path: /data/raw/mmapp/instances/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instances/20160306  Removing Path: /data/raw/mmapp/instances/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instances/20160307  Removing Path: /data/raw/mmapp/instances/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/instances/20160308  Removing Path: /data/raw/mmapp/job\_history/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/job\_history/20160304  Removing Path: /data/raw/mmapp/job\_history/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/job\_history/20160305  Removing Path: /data/raw/mmapp/job\_history/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/job\_history/20160306  Removing Path: /data/raw/mmapp/job\_history/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/job\_history/20160307  Removing Path: /data/raw/mmapp/job\_history/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/job\_history/20160308  Removing Path: /data/raw/mmapp/leaderboard/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/leaderboard/20160304  Removing Path: /data/raw/mmapp/leaderboard/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/leaderboard/20160305  Removing Path: /data/raw/mmapp/leaderboard/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/leaderboard/20160306  Removing Path: /data/raw/mmapp/leaderboard/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/leaderboard/20160307  Removing Path: /data/raw/mmapp/leaderboard/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/leaderboard/20160308  Removing Path: /data/raw/mmapp/metablueprint/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metablueprint/20160304  Removing Path: /data/raw/mmapp/metablueprint/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metablueprint/20160305  Removing Path: /data/raw/mmapp/metablueprint/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metablueprint/20160306  Removing Path: /data/raw/mmapp/metablueprint/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metablueprint/20160307  Removing Path: /data/raw/mmapp/metablueprint/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metablueprint/20160308  Removing Path: /data/raw/mmapp/metadata/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metadata/20160304  Removing Path: /data/raw/mmapp/metadata/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metadata/20160305  Removing Path: /data/raw/mmapp/metadata/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metadata/20160306  Removing Path: /data/raw/mmapp/metadata/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metadata/20160307  Removing Path: /data/raw/mmapp/metadata/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metadata/20160308  Removing Path: /data/raw/mmapp/metrics\_data/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metrics\_data/20160304  Removing Path: /data/raw/mmapp/metrics\_data/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metrics\_data/20160305  Removing Path: /data/raw/mmapp/metrics\_data/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metrics\_data/20160306  Removing Path: /data/raw/mmapp/metrics\_data/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metrics\_data/20160307  Removing Path: /data/raw/mmapp/metrics\_data/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/metrics\_data/20160308  Removing Path: /data/raw/mmapp/model\_access/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_access/20160304  Removing Path: /data/raw/mmapp/model\_access/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_access/20160305  Removing Path: /data/raw/mmapp/model\_access/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_access/20160306  Removing Path: /data/raw/mmapp/model\_access/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_access/20160307  Removing Path: /data/raw/mmapp/model\_access/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_access/20160308  Removing Path: /data/raw/mmapp/model\_code/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_code/20160304  Removing Path: /data/raw/mmapp/model\_code/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_code/20160305  Removing Path: /data/raw/mmapp/model\_code/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_code/20160306  Removing Path: /data/raw/mmapp/model\_code/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_code/20160307  Removing Path: /data/raw/mmapp/model\_code/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_code/20160308  Removing Path: /data/raw/mmapp/model\_xray/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_xray/20160304  Removing Path: /data/raw/mmapp/model\_xray/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_xray/20160305  Removing Path: /data/raw/mmapp/model\_xray/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_xray/20160306  Removing Path: /data/raw/mmapp/model\_xray/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_xray/20160307  Removing Path: /data/raw/mmapp/model\_xray/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/model\_xray/20160308  Removing Path: /data/raw/mmapp/open\_model\_code/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/open\_model\_code/20160304  Removing Path: /data/raw/mmapp/open\_model\_code/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/open\_model\_code/20160305  Removing Path: /data/raw/mmapp/open\_model\_code/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/open\_model\_code/20160306  Removing Path: /data/raw/mmapp/open\_model\_code/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/open\_model\_code/20160307  Removing Path: /data/raw/mmapp/open\_model\_code/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/open\_model\_code/20160308  Removing Path: /data/raw/mmapp/organization/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization/20160304  Removing Path: /data/raw/mmapp/organization/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization/20160305  Removing Path: /data/raw/mmapp/organization/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization/20160306  Removing Path: /data/raw/mmapp/organization/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization/20160307  Removing Path: /data/raw/mmapp/organization/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization/20160308  Removing Path: /data/raw/mmapp/organization\_log/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization\_log/20160304  Removing Path: /data/raw/mmapp/organization\_log/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization\_log/20160305  Removing Path: /data/raw/mmapp/organization\_log/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization\_log/20160306  Removing Path: /data/raw/mmapp/organization\_log/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization\_log/20160307  Removing Path: /data/raw/mmapp/organization\_log/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/organization\_log/20160308  Removing Path: /data/raw/mmapp/predict\_code/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predict\_code/20160304  Removing Path: /data/raw/mmapp/predict\_code/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predict\_code/20160305  Removing Path: /data/raw/mmapp/predict\_code/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predict\_code/20160306  Removing Path: /data/raw/mmapp/predict\_code/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predict\_code/20160307  Removing Path: /data/raw/mmapp/predict\_code/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predict\_code/20160308  Removing Path: /data/raw/mmapp/prediction\_tabulation/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/prediction\_tabulation/20160304  Removing Path: /data/raw/mmapp/prediction\_tabulation/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/prediction\_tabulation/20160305  Removing Path: /data/raw/mmapp/prediction\_tabulation/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/prediction\_tabulation/20160306  Removing Path: /data/raw/mmapp/prediction\_tabulation/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/prediction\_tabulation/20160307  Removing Path: /data/raw/mmapp/prediction\_tabulation/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/prediction\_tabulation/20160308  Removing Path: /data/raw/mmapp/predictions/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predictions/20160304  Removing Path: /data/raw/mmapp/predictions/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predictions/20160305  Removing Path: /data/raw/mmapp/predictions/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predictions/20160306  Removing Path: /data/raw/mmapp/predictions/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predictions/20160307  Removing Path: /data/raw/mmapp/predictions/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/predictions/20160308  Removing Path: /data/raw/mmapp/project/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project/20160304  Removing Path: /data/raw/mmapp/project/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project/20160305  Removing Path: /data/raw/mmapp/project/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project/20160306  Removing Path: /data/raw/mmapp/project/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project/20160307  Removing Path: /data/raw/mmapp/project/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project/20160308  Removing Path: /data/raw/mmapp/project\_clone/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project\_clone/20160304  Removing Path: /data/raw/mmapp/project\_clone/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project\_clone/20160305  Removing Path: /data/raw/mmapp/project\_clone/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project\_clone/20160306  Removing Path: /data/raw/mmapp/project\_clone/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project\_clone/20160307  Removing Path: /data/raw/mmapp/project\_clone/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/project\_clone/20160308  Removing Path: /data/raw/mmapp/proxy\_auth/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/proxy\_auth/20160304  Removing Path: /data/raw/mmapp/proxy\_auth/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/proxy\_auth/20160305  Removing Path: /data/raw/mmapp/proxy\_auth/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/proxy\_auth/20160306  Removing Path: /data/raw/mmapp/proxy\_auth/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/proxy\_auth/20160307  Removing Path: /data/raw/mmapp/proxy\_auth/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/proxy\_auth/20160308  Removing Path: /data/raw/mmapp/request\_tracker/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/request\_tracker/20160304  Removing Path: /data/raw/mmapp/request\_tracker/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/request\_tracker/20160305  Removing Path: /data/raw/mmapp/request\_tracker/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/request\_tracker/20160306  Removing Path: /data/raw/mmapp/request\_tracker/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/request\_tracker/20160307  Removing Path: /data/raw/mmapp/request\_tracker/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/request\_tracker/20160308  Removing Path: /data/raw/mmapp/storage/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/storage/20160304  Removing Path: /data/raw/mmapp/storage/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/storage/20160305  Removing Path: /data/raw/mmapp/storage/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/storage/20160306  Removing Path: /data/raw/mmapp/storage/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/storage/20160307  Removing Path: /data/raw/mmapp/storage/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/storage/20160308  Removing Path: /data/raw/mmapp/users/20160304  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160304  Removing Path: /data/raw/mmapp/users/20160305  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160305  Removing Path: /data/raw/mmapp/users/20160306  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160306  Removing Path: /data/raw/mmapp/users/20160307  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160307  Removing Path: /data/raw/mmapp/users/20160308  Running Command: hdfs dfs -rm -R -skipTrash /data/raw/mmapp/users/20160308 |

# Setting up Crontab

To run the job, we will enable this to run as the **hdfs** user as a cron job. This will run every hour to enable quotas for new users. The script is located in **/usr/local/bin/PruneDateDirs.sh**

The job runs at 4pm every day with the following command line (directory path shown, 7 days, and force to run without prompting before removing the directories):

|  |
| --- |
| **/usr/local/bin/PruneDateDirs.sh -p /data/raw/mmapp/\*/\* -d 7 -f** |

**Note:** Each environment is set at different retention periods as following within the crontab entry using the **-d** option for the number of days:

|  |  |
| --- | --- |
| Production | 28 days |
| Staging | 14 days |
| RD1 | 7 days |

The cronjob entries for **hdfs** are stored in a file called /home/hdfs/cronfile until it is loaded into crontab. This is useful to have a backup available. If you need to recreate the file, you can run the following. Always check the current crontab entries first before editing the file to ensure you don’t override someone else's changes. You can check crontab using **crontab -l**

|  |
| --- |
| crontab -l > cronfile |

Below shows the temporary **cronfile**.

|  |
| --- |
| [hdfs@bos-rd1-cdh-edge1 ~]$ pwd  /home/hdfs  [hdfs@bos-rd1-cdh-edge1 ~]$ ls -l  total 4  -rw-rw-r-- 1 hdfs hdfs 66 Mar 16 16:10 cronfile |

The following shows the contents of the temporary **cronfile**, followed by loading this into crontab and then listing what is running in crontab.

|  |
| --- |
| [hdfs@bos-rd1-cdh-edge1 ~]$ cat cronfile  5 2 \* \* \* /usr/local/bin/SetUserQuota.sh -s 50 > /dev/null 2>&1  **0 16 \* \* \* /usr/local/bin/PruneDateDirs.sh -p /data/raw/mmapp/\*/\* -d 7 -f > /dev/null 2>&1**  [hdfs@bos-rd1-cdh-edge1 ~]$ crontab cronfile  [hdfs@bos-rd1-cdh-edge1 ~]$ crontab -l  5 2 \* \* \* /usr/local/bin/SetUserQuota.sh -s 50 > /dev/null 2>&1  **0 16 \* \* \* /usr/local/bin/PruneDateDirs.sh -p /data/raw/mmapp/\*/\* -d 7 -f > /dev/null 2>&1** |

We can validate that the job ran successfully by looking at the number of directories before and after it ran. Below shows the number of date stamped subdirectories for the first two main directories before the script ran (to keep only 7 days)

|  |
| --- |
| [hdfs@bos-rd1-cdh-edge1 ~]$ hdfs dfs -ls -d /data/raw/mmapp/\*/\*  drwxr-xr-x+ - nifi nifi 0 2016-03-04 00:00 /data/raw/mmapp/blueprints/20160304  drwxr-xr-x+ - nifi nifi 0 2016-03-05 00:00 /data/raw/mmapp/blueprints/20160305  drwxr-xr-x+ - nifi nifi 0 2016-03-06 00:00 /data/raw/mmapp/blueprints/20160306  drwxr-xr-x+ - nifi nifi 0 2016-03-07 00:00 /data/raw/mmapp/blueprints/20160307  drwxr-xr-x+ - nifi nifi 0 2016-03-08 00:00 /data/raw/mmapp/blueprints/20160308  drwxr-xr-x+ - nifi nifi 0 2016-03-09 00:00 /data/raw/mmapp/blueprints/20160309  drwxr-xr-x+ - nifi nifi 0 2016-03-10 00:00 /data/raw/mmapp/blueprints/20160310  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:11 /data/raw/mmapp/blueprints/20160311  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:11 /data/raw/mmapp/blueprints/20160312  drwxr-xr-x+ - nifi nifi 0 2016-03-13 00:00 /data/raw/mmapp/blueprints/20160313  drwxr-xr-x+ - nifi nifi 0 2016-03-14 00:00 /data/raw/mmapp/blueprints/20160314  drwxr-xr-x+ - nifi nifi 0 2016-03-15 00:00 /data/raw/mmapp/blueprints/20160315  drwxr-xr-x+ - nifi nifi 0 2016-03-16 00:00 /data/raw/mmapp/blueprints/20160316  drwxr-xr-x+ - nifi nifi 0 2016-03-04 00:36 /data/raw/mmapp/chartdata/20160304  drwxr-xr-x+ - nifi nifi 0 2016-03-05 00:34 /data/raw/mmapp/chartdata/20160305  drwxr-xr-x+ - nifi nifi 0 2016-03-06 00:34 /data/raw/mmapp/chartdata/20160306  drwxr-xr-x+ - nifi nifi 0 2016-03-07 00:35 /data/raw/mmapp/chartdata/20160307  drwxr-xr-x+ - nifi nifi 0 2016-03-08 00:35 /data/raw/mmapp/chartdata/20160308  drwxr-xr-x+ - nifi nifi 0 2016-03-09 00:35 /data/raw/mmapp/chartdata/20160309  drwxr-xr-x+ - nifi nifi 0 2016-03-10 00:37 /data/raw/mmapp/chartdata/20160310  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:24 /data/raw/mmapp/chartdata/20160311  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:34 /data/raw/mmapp/chartdata/20160312  drwxr-xr-x+ - nifi nifi 0 2016-03-13 00:38 /data/raw/mmapp/chartdata/20160313  drwxr-xr-x+ - nifi nifi 0 2016-03-14 00:37 /data/raw/mmapp/chartdata/20160314  drwxr-xr-x+ - nifi nifi 0 2016-03-15 00:35 /data/raw/mmapp/chartdata/20160315  drwxr-xr-x+ - nifi nifi 0 2016-03-16 00:46 /data/raw/mmapp/chartdata/20160316 |

After it ran, we have:

|  |
| --- |
| [hdfs@bos-rd1-cdh-edge1 ~]$ hdfs dfs -ls -d /data/raw/mmapp/\*/\*  drwxr-xr-x+ - nifi nifi 0 2016-03-10 00:00 /data/raw/mmapp/blueprints/20160310  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:11 /data/raw/mmapp/blueprints/20160311  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:11 /data/raw/mmapp/blueprints/20160312  drwxr-xr-x+ - nifi nifi 0 2016-03-13 00:00 /data/raw/mmapp/blueprints/20160313  drwxr-xr-x+ - nifi nifi 0 2016-03-14 00:00 /data/raw/mmapp/blueprints/20160314  drwxr-xr-x+ - nifi nifi 0 2016-03-15 00:00 /data/raw/mmapp/blueprints/20160315  drwxr-xr-x+ - nifi nifi 0 2016-03-16 00:00 /data/raw/mmapp/blueprints/20160316  drwxr-xr-x+ - nifi nifi 0 2016-03-10 00:37 /data/raw/mmapp/chartdata/20160310  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:24 /data/raw/mmapp/chartdata/20160311  drwxr-xr-x+ - nifi nifi 0 2016-03-13 20:34 /data/raw/mmapp/chartdata/20160312  drwxr-xr-x+ - nifi nifi 0 2016-03-13 00:38 /data/raw/mmapp/chartdata/20160313  drwxr-xr-x+ - nifi nifi 0 2016-03-14 00:37 /data/raw/mmapp/chartdata/20160314  drwxr-xr-x+ - nifi nifi 0 2016-03-15 00:35 /data/raw/mmapp/chartdata/20160315  drwxr-xr-x+ - nifi nifi 0 2016-03-16 00:46 /data/raw/mmapp/chartdata/20160316 |

# Log Files

As the script is running, a copy of stdout is being logged into **/tmp/<script\_name>.<pid>**

To review the progress of the running job, you can run a **tail -f** on this file to see what is happening. On failure of the job, or completion, the temporary log file is then copied into the user’s home directory and renamed **<script\_name>.log**. For example, to review if the script completed successfully, the last line will have **<script\_name> Finished** as shown below.

|  |
| --- |
| [root@bos-rd1-cdh-edge1 ~]# tail -10 <script\_name>.log  <script\_name> Finished |

Any other condition should have generated an email to log an event into PagerDuty.