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Running Syncs with inotify

The following script can be used to run the TapeTrack Synchronization command whenever a file is uploaded with FTP or SFTP.

The script does the following:

- 1. Listens using inotify for a chance to the directory /var/sftp/user/upload.
- 2. Spawns a seperate thread to run the syncronization.
- 3. Writes output to the reports directory with a time and date stamp.
- 4. Loops back to listen to for the next uploaded file.

```
#!/bin/bash
function control c {
   logger -s -t TapeTrackSyncWatcher Request to end TapeTrack Sync Watcher
recieved
   exit
};
set -e
trap control_c SIGINT
trap control c SIGTERM
logger -s -t TapeTrackSyncWatcher Starting TapeTrack Sync Watcher
outfile=$(mktemp "${TMPDIR:-/tmp/}syncwatch.XXXXXXXXXXX")
while true; do
   # Wait on a change to the sftp directory
   inotifywait -r -e close_write /var/sftp > $outfile 2> /dev/null
   #
   # A chance has been made so read the results into 3 variables (path,
type, file)
   #
   read -r r1 r2 r3 < $outfile
   #
   # Delete the temp file
   rm $outfile
   base=`cut -d'/' -f-4 <<< $r1`
```

```
if grep -q "/upload/" <<< $r1 ; then
    logger -s -t TapeTrackSyncWatcher Launching Sync fpr file $r1$r3
    now=$(date +"%m_%d_%Y_%H_%M_%S")
    syncfile=$r1$r3 TMSS10Sync -d $base/etc/default.ttidef >
$base/reports/stdout-$now.txt 2> $base/reports/stderr-$now.txt &
    else
    logger -s -t TapeTrackSyncWatcher Skipping file update for file $r1$r3
    fi
done
exit
```

From:

https://rtfm.tapetrack.com/ - TapeTrack Documentation

Permanent link:

https://rtfm.tapetrack.com/technote/syncwatcher?rev=1555121173





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