

# 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 change to the directory `/var/sftp/user/upload`.
2. Spawns a separate thread to run the synchronization.
3. Writes output to the reports directory with a time and date stamp.
4. Loops back to listen 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 change 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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