

Extraction EXIF data from my Images

To add some new stuff to the [Mos-Eisley Gallery](#), I decided to extract EXIF data and use the GPS part. Inspired by this article: <https://exposingtheinvisible.org/resources/image-digging>

So, I added the exiftool to the Ubuntu server running Confluence, and added 2 code parts to the code:

makeThumbs.sh

```
#Extract EXIF data if the file does not exist
if [ ! -f $StartDir/$dir/$pic.exif ]
then
    #Extract EXIF data
    exiftool -c "%.6f" $pic > $pic.exif
    echo "extracting EXIF data from $pic"
fi
```

This little piece extracts EXIF to a file placed alongside the image.



I am giving the EXIF files the .exif filename extension, so they are easy to identify and delete.

updatePages.sh

```
# EXIF Support

if [ -f $MediaRoot/$Dir/$file/$image.exif ]
then

    # An EXIF file exists for the Image

    GPSPos=$(cat "$MediaRoot/$Dir/$file/$image.exif" | grep "GPS Position" | sed 's/GPS\ Position//g' | sed
's://g')
    Latitude=$(echo $GPSPos | awk -F "," '{ print $1 }')
    Longitude=$(echo $GPSPos | awk -F "," '{ print $2 }')

fi

....

echo "{me-image:path=$Dir
/$file2|image=$image|group=$group|thumbsize=$ThumbSize|displaysize=$DisplaySize|latitude=$Latitude|longitude=$
Longitude}" >> $WikiPageFile

else

echo "{me-image:path=$Dir
/$file2|image=$image|group=$group|thumbsize=$ThumbSize|displaysize=$DisplaySize|latitude=$Latitude|longitude=$
Longitude}" >> $WikiFile
```

This next part extracts the Latitude and Longitude from the EXIF file, and adds the data to the "me-image" User Macro - the part that renders the image on the Confluence page



For Open Street Maps its actually not necessary to split Latitude and Longitude 😊

finally, I needed to add support to the "me-image" User Macro:

```
## @param latitude:title=Latitude|type=string|required=false|desc=Latitude Geocoordinat
## @param longitude:title=Longitude|type=string|required=false|desc=Longitude Geocoordinat

....
....

#if ($paramlatitude != "" && $paramlongitude != "" && $paramlatitude && $paramlongitude )
<br>View photo location on Open Street Map: <a href="https://www.openstreetmap.org/search?
query={$paramlatitude},{$paramlongitude}&namedetails=1&zoom=18&addressdetails=1" target="_location"></a>
#end
```

Now, if the Image has GPS coordinates, a small icon will be rendered with a link to Open Street Maps:





Folder: FamilieBilleder / 2017 / Diverse 2017

Filename: IMG_5224.jpg

View photo location on Open Street Map: 

Links to:

 **OpenStreetMap** Edit History Export

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[Nørre Tranders, Aalborg, Aalborg Municipality, North Denmark Region, 9220, Denmark](#)

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[North Denmark, Denmark](#)

