

# 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 Lattitude 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 nessessary 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"><img src=
http://www.mos-eisley.dk/download/attachments/28344459/OpenStreetMapIcon.png?api=v2" width=20px></a>
#end
```

Now, if the Image has GPS coordinates, a small icon will be rederen 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](#)

Search [Where am I?](#) [Go](#)

Search Results

Results from Internal

57.012889, 10.040706

Results from OpenStreetMap Nominatim

Nørre Tranders, Aalborg, Aalborg Municipality, North Denmark Region, 9220, Denmark

Results from GeoNames

North Denmark, Denmark

The map shows a detailed view of the area around Nørre Tranders, Aalborg, Denmark. It features a network of roads, including E 45 and several local streets like Søndervej, Humlebakken, and Tranholmen. A river, Rømødrum Å, flows through the town. A red location marker is placed near the town center. The map is color-coded by administrative boundaries and includes various place names and road numbers.