

# Homework N° 02 – HTTP

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## Testing Info

- Test file (Local server didn't support ranging)

```
https://images.wallpaperscraft.com/image/single/river_grass_evening_92669_1920x1080.jpg
```

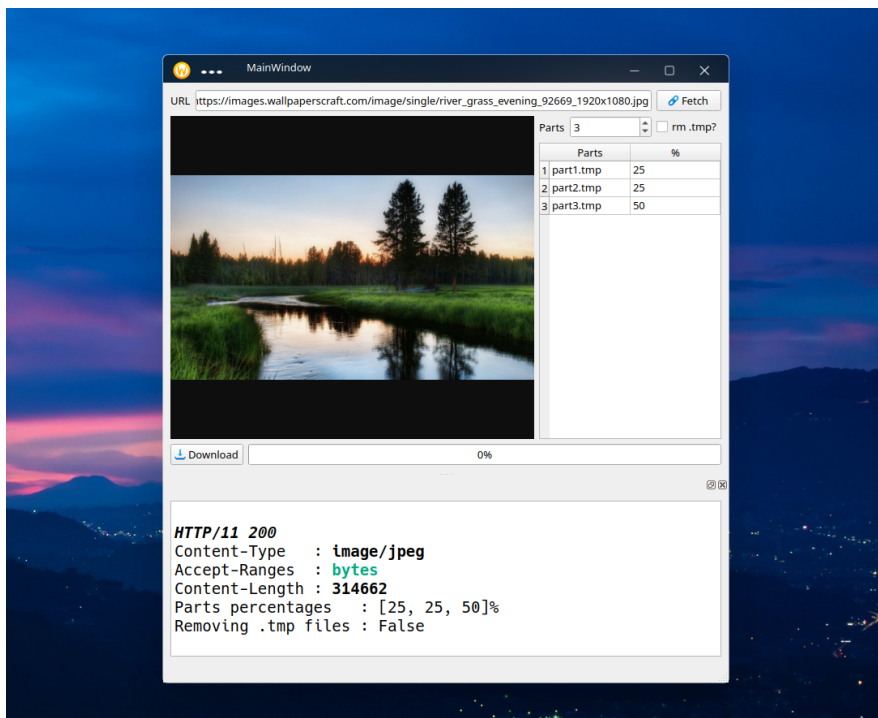
- Downloaded parts are in `./tmp_files`
- Requirements (`pip3 install -r requirements.txt`)

```
PyQt5==5.15.10
PyQt5_sip==12.13.0
Requests==2.31.0
```

## Screenshots

### Fetching

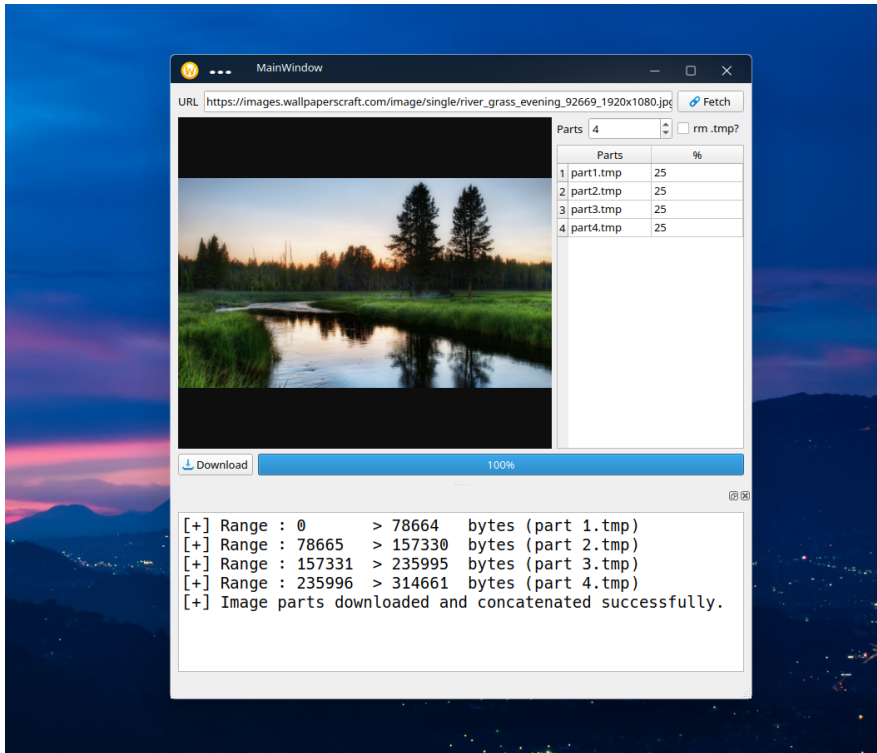
- We send a `HEAD` request to discover server file response Headers, and if the server `Accept-Ranges` in the first place.



## Downloading

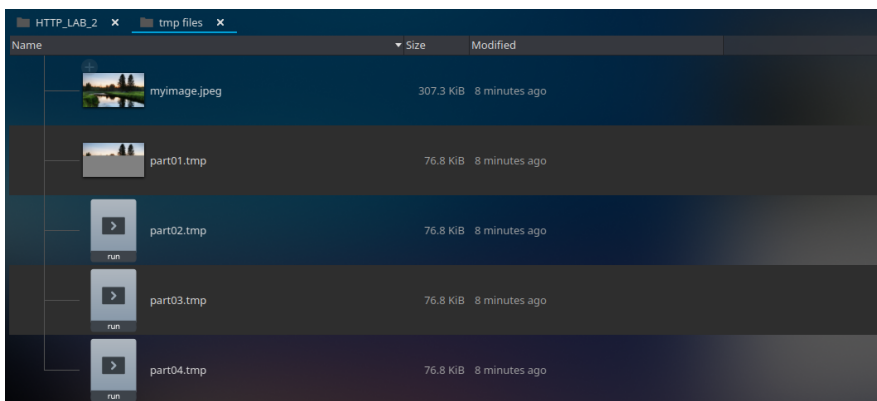
- After splitting `Content-Length` into parts percentages, we set `Range`s in Header to it's correspond `bytes` then we send a `GET` request

```
GET /image.jpg
Range: {start_byte}-{end_byte}
```



## .tmp files

- $76.8 \text{ KB} \times 4 = 307.3 \text{ KB}$



## Input handling

