

# Description of the Backend Calls to compress a PDF using the PDF24 Backend

In order to compress files using the PDF24 backend, you need to do the following four steps:

- Upload the file to a worker server (in this case filetools13.pdf24.org)
- Start the Compression job
- Wait for the job to complete
- Download the resulting file

These steps are described by example in the following sections.

## 1. File Upload

Do a classical file upload via POST to

`https://filetools13.pdf24.org/client.php?action=upload`

and as a response you will receive a JSON array describing the file you uploaded:

```
[{"file":"upload_a6a7f3bb121d2351924bc1d92dee956e.pdf","size":136865,"name":"Wireframe Compress PDF.pdf","ctime":"2022-11-18 11:57:56","host":"filetools13.pdf24.org"}]
```

## 2. Start Compression

In order to start the compression process do a POST to

`https://filetools13.pdf24.org/client.php?action=compressPdf`

containing the file-infos received in the previous steps as part of the JSON payload:

Header:

Content-Type: application/json; charset=UTF-8

Payload :

```
{
  "files":[
    {
      "file":"upload_a6a7f3bb121d2351924bc1d92dee956e.pdf",
      "size":136865,
```

```

        "name":"Wireframe Compress PDF.pdf",
        "ctime":"2022-11-18 11:57:56",
        "host":"filetools13.pdf24.org"
    }
],
    "dpi":144,
    "imageQuality":75,
    "mode":"normal",
    "colorModel":""
}

```

As a response you will receive the JobID of this compression job in JSON format:

```

{"jobId":"compressPdf_57f638a4e6c577ebbb3eeebb94e74090"}

```

### 3. Wait for job to complete.

You can query the status via a GET to

[https://filetools13.pdf24.org/client.php?action=getStatus&jobId=compressPdf\\_57f638a4e6c577ebbb3eeebb94e74090](https://filetools13.pdf24.org/client.php?action=getStatus&jobId=compressPdf_57f638a4e6c577ebbb3eeebb94e74090)

where jobId is the jobId you received in step 2.

Poll this endpoint until you receive a value "done" in the "status" field of the response json. This will tell you that the compression is done.

Example response:

```

{
  "jobId":"compressPdf_57f638a4e6c577ebbb3eeebb94e74090",
  "status":"done",
  "job":{
    "state":"3",
    "processing.heartbeat":"2022-11-18 12:05:04 GMT",
    "out.file":"compressPdf_57f638a4e6c577ebbb3eeebb94e74090_1723074148880668260.pdf",
    "out.name":"Wireframe Compress PDF.pdf",
    "out.size":"76286",
    "param.colorModel":"",
    "0.out.name":"Wireframe Compress PDF.pdf",
    "0.out.size":"76286",
    "0.in.name":"Wireframe Compress PDF.pdf",

```

```

    "param.mode":"normal",
    "0.out.file":"compressPdf_57f638a4e6c577ebbb3eeebb94e74090_17230741488806682
60.pdf",
    "client.ip":"89.27.137.250",
    "referrer":"https://tools.pdf24.org/",
    "command":"compressPdf",
    "0.state":"3",
    "param.imageQuality":"75",
    "0.in.size":"136865",
    "processing.startTime":"2022-11-18 12:05:03 GMT",
    "0.in.file":"upload_a6a7f3bb121d2351924bc1d92dee956e.pdf",
    "charset":"UTF-8",
    "creationTime":"2022-11-18 12:05:03 GMT",
    "count":"1",
    "param.dpi":"144",
    "resultType":"2",
    "service":"client",
    "lang":"en"
  }
}

```

#### 4. Download result

Finally download the resulting compressed file via a GET to

[https://filetools13.pdf24.org/client.php?mode=download&action=downloadJobResult&jobId=compressPdf\\_57f638a4e6c577ebbb3eeebb94e74090](https://filetools13.pdf24.org/client.php?mode=download&action=downloadJobResult&jobId=compressPdf_57f638a4e6c577ebbb3eeebb94e74090)

where the jobId is again the ID you received in step 2.