

# Cara Test Upload Parsial

- Buka terminal, pindah ke folder project aplikasi-storage-server
- Jalankan aplikasi

```
mvn clean tomcat7:run
```

- Buka terminal kedua untuk menjalankan test dengan curl. Kemudian pindah ke folder src/test/resources

```
cd aplikasi-storage-server/src/test/resources
```

- Pertama, request upload\_id dulu. Berikut command curlnya

```
curl -v -X POST \  
-H 'Content-Type: application/json' \  
-d '@upload-request-body.json' \  
http://localhost:8080/aplikasi-storage-server/api/upload/
```

- Kita akan mendapatkan response sebagai berikut

```
* Connected to localhost (127.0.0.1) port 8080 (#0)  
> POST /aplikasi-storage-server/api/upload/ HTTP/1.1  
> User-Agent: curl/7.35.0  
> Host: localhost:8080  
> Accept: */*  
> Content-Type: application/json  
> Content-Length: 123  
>  
* upload completely sent off: 123 out of 123 bytes  
< HTTP/1.1 200 OK  
* Server Apache-Coyote/1.1 is not blacklisted  
< Server: Apache-Coyote/1.1  
< Location: http://localhost:8080/aplikasi-storage-server/api/upload/  
?upload_id=nllhj9f0e3ikag49nlkrc31lj1
```

< Content-Length: 0

< Date: Mon, 16 Jun 2014 07:39:29 GMT

- Kita akan diberikan url untuk upload di header Location, yaitu [http://localhost:8080/aplikasi-storage-server/api/upload/?upload\\_id=nllhj9f0e3ikag49nlkrc31lj1](http://localhost:8080/aplikasi-storage-server/api/upload/?upload_id=nllhj9f0e3ikag49nlkrc31lj1). URL ini akan kita gunakan pada request berikutnya
- Di folder src/test/resources telah ada file mouse.pdf yang telah dipecah menjadi 3 file. Pecahan ini kemudian diencode dengan Base64 dan hasilnya ditaruh di folder src/test/resources/base64encoded
- Upload potongan pertama (mouse.pdf.00.txt)

```
curl -v -X PUT -H 'Content-Type: application/octet-stream' \
-H 'Content-Range: 0-307199/665493' \
-d '@base64encoded/mouse.pdf.00.txt' \
http://localhost:8080/aplikasi-storage-server/api/upload/
?upload_id=nllhj9f0e3ikag49nlkrc31lj1
```

- Upload potongan kedua (mouse.pdf.01.txt)

```
curl -v -X PUT -H 'Content-Type: application/octet-stream' \
-H 'Content-Range: 307200-614399/665493' \
-d '@base64encoded/mouse.pdf.01.txt' \
http://localhost:8080/aplikasi-storage-server/api/upload/
?upload_id=nllhj9f0e3ikag49nlkrc31lj1
```

- Upload potongan terakhir (mouse.pdf.02.txt)

```
curl -v -X PUT -H 'Content-Type: application/octet-stream' \
-H 'Content-Range: 614400-665493/665493' \
-d '@base64encoded/mouse.pdf.02.txt' \
http://localhost:8080/aplikasi-storage-server/api/upload/
?upload_id=nllhj9f0e3ikag49nlkrc31lj1
```

- Pada upload terakhir, server akan menggabungkan ketiga file dan membandingkannya dengan checksum. Berikut responsnya

```
> PUT /aplikasi-storage-server/api/upload/?upload_id=nllhj9f0e3ikag49nlkrc31lj1
HTTP/1.1
> User-Agent: curl/7.35.0
> Host: localhost:8080
> Accept: */*
> Content-Type: application/octet-stream
> Content-Range: 614400-665493/665493
> Content-Length: 68124
> Expect: 100-continue
>
< HTTP/1.1 100 Continue
< HTTP/1.1 201 Created
* Server Apache-Coyote/1.1 is not blacklisted
< Server: Apache-Coyote/1.1
< Range: 0-1000
< Content-Length: 0
< Date: Mon, 16 Jun 2014 07:40:00 GMT
```