



SPRING MVC

ADDITIONAL FEATURES

MARCH, 2015

MULTIPART SUPPORT - EXAMPLE

```
<form method='POST' enctype='multipart/form-data' action='/upload.php'>
  <input type='file' name='file1'>
  <input type='file' name='file2'>
  <input type='file' name='file3'>
  <input type='text' name='paramA'>
  <input type='SUBMIT'>
</form>
```

http://cgi-lib.berkeley.edu/upload.php

Headers

Content-Type= multipart/form-data

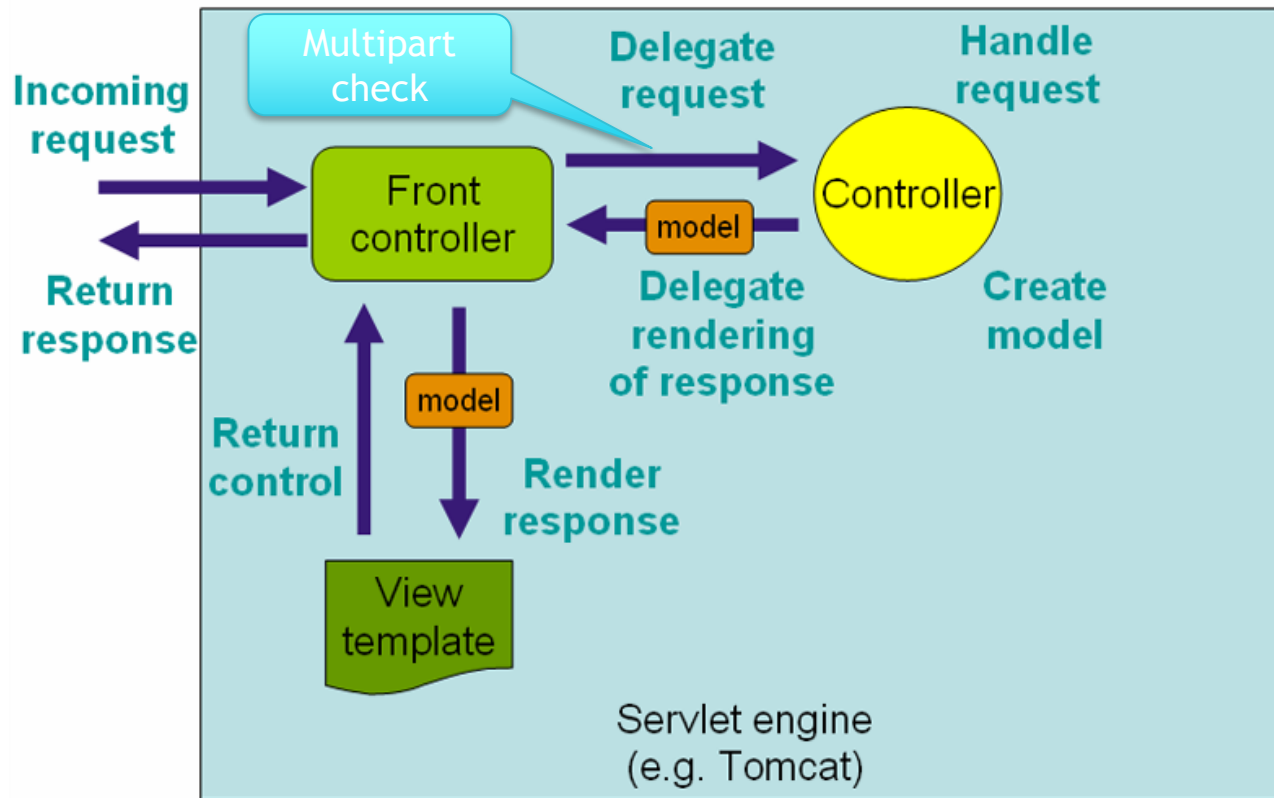
Params *multipart/form-data

file1=@/Users/anna/Documents/upl.txt
file2=@/Users/anna/Documents/upload_test2.txt
file3=@/Users/anna/Documents/file3.txt
paramA=valueA

HTTP Request

POST /upload.php HTTP/1.1
User-Agent: http4e/4.1.7
Host: cgi-lib.berkeley.edu
Content-Length: 493
Content-Type: multipart/form-data;
boundary=-----3141592653589793238
-----314159265358979323846
Content-Disposition: form-data; name="file2";
filename="upload_test2.txt"
Content-Type: application/octet-stream;
charset=ISO-8859-1
Content-Transfer-Encoding: binary

MULTIPART SUPPORT – ENTRY POINT



MULTIPART RESOLVER CONFIGURATION

```
<bean id="multipartResolver"  
    class="org.springframework.web.multipart.commons.CommonsMultipartResolver">  
    <!-- Maximum file size in bytes -->  
    <property name="maxUploadSize" value="100000"/>  
    <!-- Maximum file size to keep in memory -->  
    <property name="maxInMemorySize" value="50000"/>  
</bean>
```

```
<bean id="multipartResolver"  
    class="org.springframework.web.multipart.support.StandardServletMultipartResolver">  
</bean>
```

SERVLET 3.0 ADDITIONAL CONFIGURATION

```
<servlet>
  <servlet-name>SpringDispatcher</servlet-name>
  <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
  <multipart-config>
    <location>/tmp</location>
    <max-file-size>20848820</max-file-size>
    <max-request-size>418018841</max-request-size>
    <file-size-threshold>1048576</file-size-threshold>
  </multipart-config>
  <init-param>
    <param-name>contextConfigLocation</param-name>
    <param-value>/WEB-INF/spring/servlet-context.xml
    </param-value>
  </init-param>
  <load-on-startup>1</load-on-startup>
</servlet>
```

MULTIPART CONTROLLER IMPLEMENTATION

@Controller

```
public class FileUploadController {
```

```
    @RequestMapping(value = "/form", method = RequestMethod.POST)
```

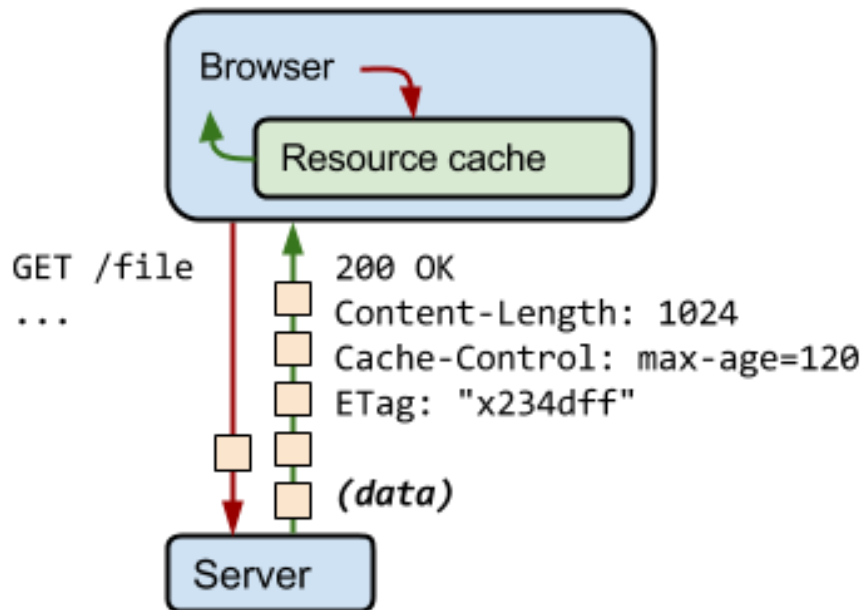
```
    public String handleFormUpload(@RequestParam("name") String name,  
                                   @RequestParam("file") MultipartFile file) {
```

```
        if (!file.isEmpty()) {  
            byte[] bytes = file.getBytes();  
            // store the bytes somewhere  
            return "redirect:uploadSuccess";
```

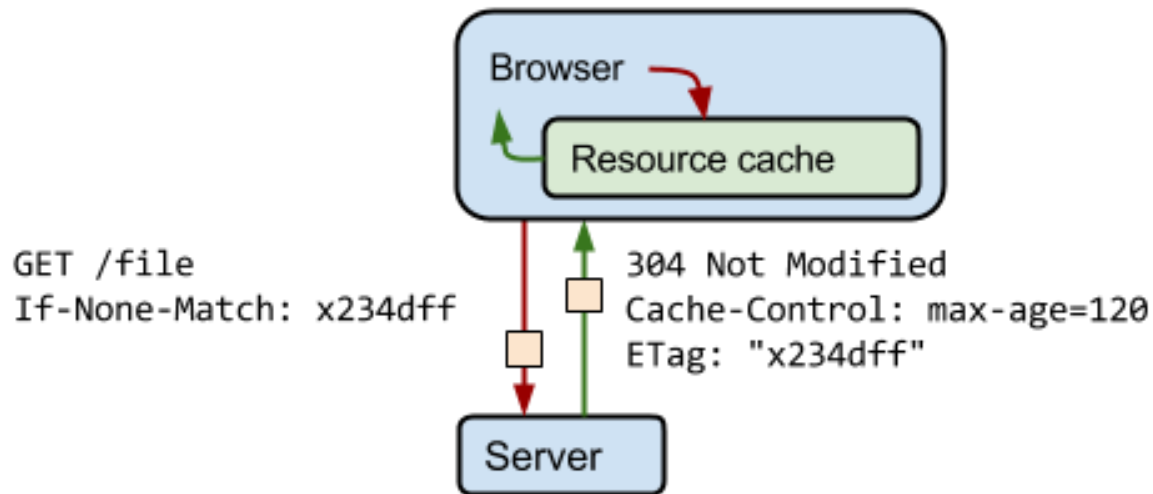
```
        }  
        return "redirect:uploadFailure";
```

```
    }  
}
```

ETag SUPPORT



REQUEST CONTENT BY ETag



REQUEST CONTENT BY ETag

```
<filter>
  <filter-name>etagFilter</filter-name>
  <filter-class>org.springframework.web
    .filter.ShallowEtagHeaderFilter</filter-class>
</filter>

<filter-mapping>
  <filter-name>etagFilter</filter-name>
  <servlet-name>dispatcher</servlet-name>
</filter-mapping>
```



THANK YOU!

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