

Uploading Files

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File Upload

- File uploading is typically supported through form input
`<input type="file" name="imageFile">`
- Form data typically encoded as:
 - application/x-www-form-urlencoded
 - multipart/form-data
 - Applied to Form element's enctype attribute
`<form action="/imageUpload" method="post" enctype="multipart/form-data">`
- File upload is more efficient with multipart/form-data
- HTML5 (W3C Recommendation), IETF RFC 1867, 7578

File Upload

- The multipart/form-data when included will have a request header as:

```
'content-type': 'multipart/form-data; boundary=----  
703214596543452114973547'
```

- Boundary separates the multipart request body

Multer

- Node middleware for handling multipart/form-data
 - Written on top of busboy, a Node module for parsing incoming HTML form data
- Parses the incoming form data and adds a body object and file/files object to request object