
SERVER SIDE PROGRAMMING (PART 5)

FILE EKSTERNAL (UPLOAD)

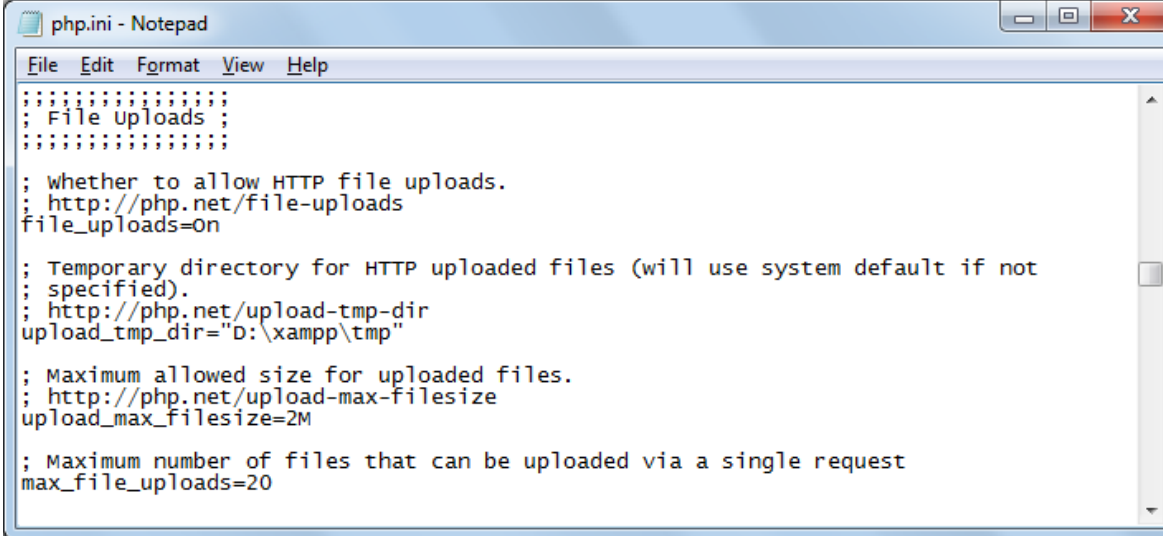
MATERI KE-11



PROSES UPLOAD FILE

- Data berupa file dikirim menggunakan form HTML
- Data dikirim ke web server dan ditangkap oleh sebuah file PHP
 - Data yang dikirim melalui body HTTP Request berupa form data (
- Data diterima oleh web server dan ditampung dalam suatu *temporary* folder
- Data disalin dari temporary folder ke folder tujuan yang ditentukan *user*

KONFIGURASI FILE UPLOAD (php.ini)



```

;;;;;;;;;;;;;;;;;;;;;
; File uploads ;
;;;;;;;;;;;;;;;;;;;;;
; Whether to allow HTTP file uploads.
; http://php.net/file-uploads
file_uploads=On

; Temporary directory for HTTP uploaded files (will use system default if not
; specified).
; http://php.net/upload-tmp-dir
upload_tmp_dir="D:\xampp\tmp"

; Maximum allowed size for uploaded files.
; http://php.net/upload-max-filesize
upload_max_filesize=2M

; Maximum number of files that can be uploaded via a single request
max_file_uploads=20

```

option	default	Keterangan
file_uploads	On	Untuk mengaktifkan upload file ke web server
upload_tmp_dir	NULL/system default	Direktori yang digunakan untuk menampung file temporary(sementara)
upload_max_filesize	2M	Batas ukuran file yang diupload
max_file_uploads	20	Batas jumlah file yang dapat diupload secara bersamaan

```
<html><body>
  <form action="upload.php" method="post" enctype="multipart/form-data">
    Pilih file untuk diupload:
    <input type="file" name="fileUpload" id="fileUpload">
    <input type="submit" value="Upload File" name="submit">
  </form>
</body></html>
```

- Method menggunakan method="post"
- Atribut enctype="multipart/form-data" menunjukkan tipe konten yang disubmit melalui form
- Pada contoh di atas data dikirim ke file "upload.php"
- Data dikirim ke file yang bernama

\$_FILES

- `$_FILES['userfile']['name']`

The original name of the file on the client machine.

- `$_FILES['userfile']['type']`

The mime type of the file, if the browser provided this information. An example would be "image/gif". This mime type is however not checked on the PHP side and therefore don't take its value for granted.

- `$_FILES['userfile']['size']`

The size, in bytes, of the uploaded file.

- `$_FILES['userfile']['tmp_name']`

The temporary filename of the file in which the uploaded file was stored on the server.

- `$_FILES['userfile']['error']`

The error code associated with this file upload.

Function	Description
<u>basename()</u>	Returns the filename component of a path
<u>file_exists()</u>	Checks whether or not a file or directory exists
<u>filesize()</u>	Returns the file size
<u>filetype()</u>	Returns the file type
<u>is_dir()</u>	Checks whether a file is a directory
<u>is_executable()</u>	Checks whether a file is executable
<u>is_file()</u>	Checks whether a file is a regular file
<u>is_link()</u>	Checks whether a file is a link
<u>is_readable()</u>	Checks whether a file is readable
<u>is_uploaded_file()</u>	Checks whether a file was uploaded via HTTP POST
<u>mkdir()</u>	Creates a directory
<u>move_uploaded_file()</u>	Moves an uploaded file to a new location
<u>realpath()</u>	Returns the absolute pathname
<u>unlink()</u>	Deletes a file

Selengkapnya lihat di: https://www.w3schools.com/php/php_ref_filesystem.asp

```
<?php
$target_dir = "uploads/";
if(!file_exists($target_dir)){
    mkdir($target_dir);
}

if(isset($_POST["submit"])) {
    if (is_uploaded_file($_FILES["fileUpload"]["tmp_name"])) {
        $target_file = $target_dir . basename($_FILES["fileUpload"]["name"]);
        $typeFile = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));
        move_uploaded_file($_FILES["fileUpload"]["tmp_name"], $target_file);
        echo "File ". $_FILES["fileUpload"]["name"] ." berhasil diupload.\n";
    }
    else {
        echo "Gagal upload file";
    }
}
?>
```

Catatan:

Code di atas adalah code paling minimal untuk melakukan proses upload file

Perlu dilakukan pengecekan lebih mendalam terhadap form data dan tipe data saat melakukan handling file upload

REFERENSI LANJUT UNTUK OPERASI FILE

- https://www.w3schools.com/php/php_ref_filesystem.asp
- <https://www.php.net/manual/en/security.filesystem.php>
- <https://www.php.net/manual/en/features.file-upload.post-method.php>