

Exp. No. E14	MANUAL NO. : DYPPCOE-CSE-T2-WT-II	SUBJECT: WEB TECHNOLOGIES- II
DEPARTMENT: CSE	ISSUE NO. : 01	ISSUE DATE: 05/12/2018
REV. NO. : 0	REV. DATE : 05/12/18	

**Experiment Title:** Upload various types of file from client side to server with validation

### **Objective:**

To learn and implement program to upload various types of file from client side to server with validation

### **Theory & Procedure :**

A PHP script can be used with a HTML form to allow users to upload files to the server. Initially files are uploaded into a temporary directory and then relocated to a target destination by a PHP script.

Information in the phpinfo.php page describes the temporary directory that is used for file uploads as upload\_tmp\_dir and the maximum permitted size of files that can be uploaded is stated as upload\_max\_filesize. These parameters are set into PHP configuration file php.ini

The process of uploading a file follows these steps –

The user opens the page containing a HTML form featuring a text files, a browse button and a submit button.

The user clicks the browse button and selects a file to upload from the local PC.

The full path to the selected file appears in the text filed then the user clicks the submit button.

The selected file is sent to the temporary directory on the server.

The PHP script that was specified as the form handler in the form's action attribute checks that the file has arrived and then copies the file into an intended directory.

The PHP script confirms the success to the user.

As usual when writing files it is necessary for both temporary and final locations to have permissions set that enable file writing. If either is set to be read-only then process will fail.

An uploaded file could be a text file or image file or any document.

### **Creating an upload form**

The following HTM code below creates an uploader form. This form is having method attribute set to post and enctype attribute is set to multipart/form-data

```
<?php
if(isset($_FILES['image'])){
    $errors= array();
    $file_name = $_FILES['image']['name'];
    $file_size = $_FILES['image']['size'];
    $file_tmp = $_FILES['image']['tmp_name'];
    $file_type=$_FILES['image']['type'];
    $file_ext=strtolower(end(explode('.',$_FILES['image']['name'])));

    $extensions= array("jpeg","jpg","png");
```

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```

if(in_array($file_ext,$extensions)=== false){
    $errors[]="extension not allowed, please choose a JPEG or PNG file.";
}

if($file_size > 2097152){
    $errors[]='File size must be excately 2 MB';
}

if(empty($errors)==true){
    move_uploaded_file($file_tmp,"images/".$file_name);
    echo "Success";
}else{
    print_r($errors);
}
}
?>
<html>
<body>

    <form action="" method="POST" enctype="multipart/form-data">
        <input type="file" name="image" />
        <input type="submit"/>
    </form>

</body>
</html>

```

It will produce the following result –

### Upload Form

#### Creating an upload script

There is one global PHP variable called \$\_FILES. This variable is an associate double dimension array and keeps all the information related to uploaded file. So if the value assigned to the input's name attribute in uploading form was file, then PHP would create following five variables –

\$\_FILES['file']['tmp\_name'] – the uploaded file in the temporary directory on the web server.

\$\_FILES['file']['name'] – the actual name of the uploaded file.

\$\_FILES['file']['size'] – the size in bytes of the uploaded file.

\$\_FILES['file']['type'] – the MIME type of the uploaded file.

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\$\_FILES['file']['error'] – the error code associated with this file upload.

Example

Below example should allow upload images and gives back result as uploaded file information.

Live Demo

```
<?php
if(isset($_FILES['image'])){
    $errors= array();
    $file_name = $_FILES['image']['name'];
    $file_size = $_FILES['image']['size'];
    $file_tmp = $_FILES['image']['tmp_name'];
    $file_type = $_FILES['image']['type'];
    $file_ext=strtolower(end(explode('.',$_FILES['image']['name'])));

    $extensions= array("jpeg","jpg","png");

    if(in_array($file_ext,$extensions)=== false){
        $errors[]="extension not allowed, please choose a JPEG or PNG file.";
    }

    if($file_size > 2097152) {
        $errors[]='File size must be excatelly 2 MB';
    }

    if(empty($errors)==true) {
        move_uploaded_file($file_tmp,"images/".$file_name);
        echo "Success";
    }else{
        print_r($errors);
    }
}
?>
<html>
<body>

<form action = "" method = "POST" enctype = "multipart/form-data">
    <input type = "file" name = "image" />
    <input type = "submit"/>

<ul>
```

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```

    <li>Sent file: <?php echo $_FILES['image']['name']; ?>
    <li>File size: <?php echo $_FILES['image']['size']; ?>
    <li>File type: <?php echo $_FILES['image']['type']; ?>
  </ul>

```

```

</form>

```

```

</body>
</html>

```

It will produce the following result –



Choose File No file chosen Submit

- Sent file:
- File size:
- File type:

**Conclusion:**