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# How to Compress Image size while Uploading with PHP

Last updated on July 7, 2021 by [Yogesh Singh](#)

High-quality images take time to load on the webpage depending on the number of images.

You can create **multiple** sizes of the image file when uploading and use the low and high-quality images when required.

When reducing an image size then it also decreases its quality.

The best example of this is WordPress, whenever an image file is uploaded then it will generate a different-different size of the file. Those images will use in the theme according to requirement.

In this tutorial, I show how you can compress image size while **uploading** with PHP.



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## 1. HTML

Create a `<input type='file'>` element in `<form>` and submit button.

### Completed Code

```
<form method='post' action="" enctype='multipart/form-data'>  
  <input type='file' name='imagefile' >  
  <input type='submit' value='Upload' name='upload'>  
</form>
```

## 2. PHP

Create a `images` directory to store image files.

### Custom Function

Create a `compressImage()` function to compress JPEG, PNG, and GIF images.

The function takes 3 parameters –

1. Source
2. Destination
3. File quality

Call `imagecreatefromjpeg($source)`, `imagecreatefromgif($source)`, and `imagecreatefrompng($source)` to create a new image according to `$info['mime']` value.

Execute `imagejpeg()` method to store image to the destination. Here, the third parameter `quality` is optional. It takes value from 0 – 100 and the default value is 75.

### Form submit

Set location to `images` directory and check file extension. If it is valid then call `compressImage()` function where pass `$_FILES['imagefile']` `['tmp_name']`, `$location`, and `60`.

### Completed Code

```
<?php
if(isset($_POST['upload'])) {

    // Getting file name
    $filename = $_FILES['imagefile']['name'];

    // Valid extension
    $valid_ext = array('png','jpeg','jpg');

    // Location
    $location = "images/".$filename;

    // file extension
```

```
$file_extension = pathinfo($location, PATHINFO_EXTENSION);
$file_extension = strtolower($file_extension);

// Check extension
if(in_array($file_extension,$valid_ext)){

    // Compress Image
    compressImage($_FILES['imagefile']['tmp_name'],$location,60);

}else{
    echo "Invalid file type.";
}
}

// Compress image
function compressImage($source, $destination, $quality) {

    $info = getimagesize($source);

    if ($info['mime'] == 'image/jpeg')
        $image = imagecreatefromjpeg($source);

    elseif ($info['mime'] == 'image/gif')
        $image = imagecreatefromgif($source);

    elseif ($info['mime'] == 'image/png')
        $image = imagecreatefrompng($source);

    imagejpeg($image, $destination, $quality);

}

?>
```

### 3. Conclusion

In the example, I stored only the compressed image, not the original size image. You can store both the version of images while **uploading**.

Adjust the image quality when reducing size.

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