Splitting File into Parts in PHP

This is an article on *Splitting File into Parts in PHP* in *PHP*.

Recently i had to implement a file split-er in PHP and was shocked find how LESS pre written scripts are available for the task. So thought of writing a quick one myself.

If you just want the code, I have a fully featured php script hosted at github

Process

1. Take the URL of the base file [we donot write the file upload part]
2. Take the size of a part of the file [lets call it buffer]
3. Read a buffer size of amount from the file till end-of-file is reached
4. For every read part, write it as a seperate file
5. For clarity the naming of files go like input_file_name.part<no>
   ex: myawesomefile.png.part0 myawesomefile.png.part1

The Code

phpfsplit.php

PHP Code:

```php
<?php
/**
 * A file splitter function for php
 * Can split a file to number of parts depending on the buffer size given
 *
 * @author manujith pallewatte [manujith.nc@gmail.com]
 * @date   30/10/13
 * *
 * @param  $file String
 * Path of the file to split
 * @param $buffer number
 * The [maximum] size of the part of a file
 * @return array S
 * et of strings containing the paths to the parts
 */
```

```
function fsplit($file,$buffer=1024){
    //open file to read
    $file_handle = fopen($file,'r');
    //get file size
    $file_size = filesize($file);
    //no of parts to split
    $parts = $file_size / $buffer;

    //store all the file names
    $file_parts = array();

    //path to write the final files
    $store_path = "splits/";

    //name of input file
    $file_name = basename($file);

    for($i=0;$i<$parts;$i++){
        //read buffer sized amount from file
        $file_part = fread($file_handle, $buffer);
        //the filename of the part
        $file_part_path = $store_path.$file_name.".part$i";
        //open the new file [create it] to write
        $file_new = fopen($file_part_path,'w+');
        //write the part of file
        fwrite($file_new, $file_part);
        //add the name of the file to part list [optional]
        array_push($file_parts, $file_part_path);
        //close the part file handle
        fclose($file_new);
    }
    //close the main file handle
    fclose($file_handle);
    return $file_parts;
}
?>
```

Most of the code is documented but i'll get into some important areas. First few lines are about taking in the filename, extracting the basename [thefile.exe part]

Next we find the number of parts to make
$no\_of\_parts = size\_of\_file / buffer\_size$

Then we loop through 0 - no_of_parts in each loop we read a portion of the input file. Now the question is why php wont read the same portion always. It's simple, because when reading a file php keeps a pointer as to well where it is reading now. Thus when we tell it to read the second time, it simply start to read from the point it stopped previously.

Source: http://www.go4expert.com/articles/splitting-file-parts-php-t29885/