eXtplorer - PHP-based File Manager - Fehler #162

Reporting wrong size for files larger than 2GB using default "filesize" PHP function

05/03/2014 07:18 PM - Venicios NC

Status:	Neu		
Priority:	Normal		
Assignee:	Sören Eberhardt-Biermann		
Category:	Bug		
Target version:			
eXtplorer Version:	2.1.4	**Joomla! Version:**	none

Description

In "site\include\functions.php":

```
function get_file_size( $abs_item) { // file size
return @$GLOBALS['ext_File']->filesize( $abs_item );
}
```

This function return wrong file sizes. There are many complaints. One user in php.net suggests a solution:

This functions returns the exact file size for file larger than 2 GB on 32 bit OS:

```
function file_get_size($file) {
//open file
$fh = fopen($file, "r");
//declare some variables
$size = "0";
$char = "";
//set file pointer to 0; I'm a little bit paranoid, you can remove this
fseek($fh, 0, SEEK_SET);
//set multiplicator to zero
$count = 0;
while (true) {
//jump 1 MB forward in file
fseek($fh, 1048576, SEEK_CUR);
//check if we actually left the file
if (($char = fgetc($fh)) !== false) {
//if not, go on
$count +;
} else {
//else jump back where we were before leaving and exit loop
fseek($fh, -1048576, SEEK_CUR);
break;
}
}
//we could make $count jumps, so the file is at least $count * 1.000001 MB large
//1048577 because we jump 1 MB and fgetc goes 1 B forward too
$size = bcmul("1048577", $count);
//now count the last few bytes; they're always less than 1048576 so it's quite fast
$fine = 0;
while(false !== ($char = fgetc($fh))) {
$fine +;
}
//and add them
$size = bcadd($size, $fine);
fclose($fh);
return $size;
}
?>
```

I have tested it on X86, X64 and even o ARM based OS Raspbian (very light even with a 16 GB file in a external USB HDD) with no issues.