filesize

WMPRO, WMMINI FW >= 1.0 WMMEGA FW >= 2.0

Return the size of a file, or the number of unread bytes in a stream

Description

There are two different forms for this function.

Filename Form - The syntax is the same as in mainline PHP, and uses a filename for the parameter:

int filesize (string $filename)

Handle Form - The syntax is unique to uPHP,[1] and uses an open resource handle for the parameter (which works with streams, sockets, ports and files):

int filesize (int $handle)

The Handle Form works in different ways, depending on the type of resource. For streams, sockets and ports it will return the number of unread bytes in the receive buffer. For files it will return the total number of bytes in the file.[2]

Parameters

$filename: Full path and filename (Filename Form)

$handle: Valid handle of a previously opened resource (Handle Form)

Return Value

Bytes in the file or pending in the stream

Examples

Filename Form, output the size of the System Log:

```
<?
  $syslog="/logs/log.txt";
  if (file_exists($syslog)) print("The System Log contains
".filesize($syslog)." bytes");
?>
```

Handle Form, for a file, output the file size:

```
<?
  $f=fopen("/index.cgi","r");
  if ($f) {
    print(filesize($f)); // output the file size
    fclose($f);
  }
?>
```

Handle Form, for a socket - this example is extracted from the Wattmon OS "/scripts/ip_dongle.cgi":

```
<?
$dns_ip=ini_get("/config/dns.ini","dns","my.wattmon.com","my.wattmon.com");
  $f=fsockopen($dns_ip,80,30);
  if ($f) {
    // ... code not shown: send a request to my.wattmon.com using fwrite()
...
    while (!filesize($f)) sleep(10); // wait until we begin to get a
response
    $str=fread($f,filesize($f)); // retrieve all the bytes pending
    // ... code not shown: process the response in $str ...
  }
?>
```

See Also

feof() - Test if no more data is available in a file or stream [possibly useful if you don't need to know the exact number of bytes pending in a stream]

findfirst() - Start searching the current folder for files matching a pattern and attributes ['filesize' is one of the array elements returned, see also findnext()]

fopen() - Open a file for reading or writing

f485open() - Open the RS-485 port at the specified baud rate and parity

fseropen() - Open the serial port at the specified baud rate with optional parameters

fsockopen() - Open an internet socket connection with optional timeout

fclose() - Close a file, stream or socket

file_exists() - Check if a file exists

ini_get() - Return the value associated with the key if it exists, or the default value otherwise

fread() - Return bytes from a file or stream

1)

The Handle Form is more commonly used on the Wattmon. Compared to mainline PHP, this uPHP form is a much simpler method for retrieving the number of bytes pending in a stream. For examples of how much more complex mainline PHP can be, take a look at the PHP function stream-get-meta-data which returns an array with one of the elements containing 'unread_bytes'.
[2)]

I haven't verified this yet, perhaps for files the Handle Form returns the number of bytes remaining to be read beyond the pointer. - Jeff, 2/23/17

From:
https://www.wattmon.com/dokuwiki/ - **Wattmon Documentation Wiki**

Permanent link:
https://www.wattmon.com/dokuwiki/uphp/functions/filesize?rev=1490731844

Last update: **2021/09/13 05:56**