

# FTP Functions

- ftp\_alloc()

The ftp\_alloc() function allocates space for a file to be uploaded to the FTP server. This function returns TRUE on success or FALSE on failure.

ftp\_alloc(ftp\_connection,size,return)

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
Size	Required. Specifies the number of bytes to allocate
Return	Optional. Specifies a variable to store the server response in

Note: Many FTP servers do not support this command.

## Example 1

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

ftp_alloc($conn,"160",$response);
echo $response;

ftp_close($conn);
?>
```

## Example 2

```
<?php
$file = "myfile.txt";

$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

if (ftp_alloc($conn, filesize($file), $response))
{
    echo "Space allocated on server.";
}
else
{
    echo "Unable to allocate space. " . $response;
}

ftp_close($conn);
?>
```

- ftp\_cdup()

The ftp\_cdup() function changes the current directory to the parent directory (one step up). This function returns TRUE on success and FALSE on failure.

ftp\_cdup(ftp\_connection)

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

//Outputs the current directory
echo "Dir: ".ftp_pwd($conn);
echo "<br />";
//Change to the images directory
ftp_chdir($conn,"images");
echo "Dir: ".ftp_pwd($conn);
echo "<br />";
//Change current directory to parent directory
ftp_cdup($conn);
echo "Dir: ".ftp_pwd($conn);

ftp_close($ftp_server);
?>
```

The output of the code above will be:

```
Dir: /
Dir: /images
Dir: /
```

- ftp\_chdir()

The ftp\_chdir() function changes the current directory to the specified directory. This function returns TRUE on success and FALSE and a warning on failure.

ftp\_chdir(ftp\_connection,directory)

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
directory	Required. Specifies the directory to change to

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
```

```

ftp_login($conn,"admin","ert456");
//Outputs the current directory
echo "Dir: ".ftp_pwd($conn);
echo "<br />";
//Change to the images directory
ftp_chdir($conn,"images");
echo "Dir: ".ftp_pwd($conn);

ftp_close($ftp_server);
?>

```

The output of the code above will be:

```

Dir: /
Dir: /images

```

- ftp\_chmod()

The ftp\_chmod() function sets permissions on a specified file on the FTP server. This function returns the new permissions on success and FALSE and a warning on failure.

```
ftp_chmod(ftp_connection,mode,file)
```

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
mode	<p>Required. Specifies the new permissions. The mode parameter consists of four numbers:</p> <ul style="list-style-type: none"> <li>- The first number is always zero</li> <li>- The second number specifies permissions for the owner</li> <li>- The third number specifies permissions for the owner's user group</li> <li>- The fourth number specifies permissions for everybody else</li> </ul> <p>Possible values (to set multiple permissions, add up the following numbers):</p> <ul style="list-style-type: none"> <li>1 = execute permissions</li> <li>2 = write permissions</li> <li>4 = read permissions</li> </ul>
file	Required. Specifies the name of the file to modify

### Example

```

<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"user","pass");

// Read and write for owner, nothing for everybody else
ftp_chmod($conn,"0600","test.txt");

// Read and write for owner, read for everybody else
ftp_chmod($conn,"0644","test.txt");

// Everything for owner, read and execute for everybody else
ftp_chmod($conn,"0755","test.txt");

```

```
// Everything for owner, read for owner's group
ftp_chmod($conn,"0740","test.txt");
```

```
ftp_close($conn);
?>
```

- **ftp\_close()**

The ftp\_close() function closes an FTP connection.

```
ftp_close(ftp_connection)
```

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to close

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
//some code to be executed
ftp_close($conn);
?>
```

- **ftp\_connect()**

The ftp\_connect() function opens an FTP connection to a server. When the connection is open, you can run FTP functions against the server.

```
ftp_connect(host,port,timeout)
```

Parameter	Description
host	Required. Specifies the FTP server to connect to. Can be a domain address or an IP address. This parameter should not include "ftp://" or slashes
port	Optional. Specifies the port of the FTP server. Default is 21
timeout	Optional. Specifies the timeout for this FTP connection. Default is 90 seconds

Example

The example below tries to connect to an FTP server. If the connection fails, the die() function terminates the script and outputs a message:

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
?>
```

- **ftp\_delete()**

The ftp\_delete() function deletes a file on the FTP server. This function returns TRUE on success and FALSE and a warning on failure.

```
ftp_delete(ftp_connection,file)
```

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
file	Required. Specifies the path of the file to delete

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");
echo ftp_delete($conn,"test.txt");
ftp_close($conn);
?>
```

The output of the code above will be:

1

- ftp\_fget()

The ftp\_fget() function gets a file from the FTP server and saves it to an open file. This function returns TRUE on success and FALSE on failure.

```
ftp_fget(ftp_connection,local,remote,mode,resume)
```

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
local	Required. Specifies the open file to paste into
remote	Required. Specifies the path of the file to copy from
mode	Required. Specifies the transfer mode. The possible values are: FTP_ASCII FTP_BINARY
resume	Optional. Specifies where in the remote file to start copying. Default is 0

Example

This example copies the text from "source.txt" into "target.txt":

```
<?php
$source = "source.txt";
$target = fopen("target.txt", "w");

$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");
```

```
ftp_fget($conn,$target,$source,FTP_ASCII);
```

```
ftp_close($conn);  
?>
```

- **ftp\_fput()**

The `ftp_fput()` function uploads from an open file and saves it to a file on the FTP server. This function returns `TRUE` on success and `FALSE` on failure.

```
ftp_fput(ftp_connection,remote,local,mode,resume)
```

Parameter	Description
<code>ftp_connection</code>	Required. Specifies the FTP connection to use
<code>remote</code>	Required. Specifies the file to upload to
<code>local</code>	Required. Specifies the open file to upload from
<code>mode</code>	Required. Specifies the transfer mode. The possible values are: FTP_ASCII FTP_BINARY
<code>resume</code>	Optional. Specifies where in the local file to start copying. Default is 0

### Example

This example copies the text from "source.txt" into "target.txt":

```
<?php  
$source = fopen("source.txt","r");  
  
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");  
ftp_login($conn,"admin","ert456");  
  
echo ftp_fput($conn,"target.txt",$source,FTP_ASCII);  
  
ftp_close($conn);  
?>
```

The output of the code above will be:

1

- **ftp\_get()**

The `ftp_get()` function gets a file from the FTP server and saves it to a local file. This function returns `TRUE` on success and `FALSE` on failure.

```
ftp_get(ftp_connection,local,remote,mode,resume)
```

Parameter	Description
<code>ftp_connection</code>	Required. Specifies the FTP connection to use

local	Required. Specifies where to save the file. If this file already exists, it will be overwritten
remote	Required. Specifies the path of the file to copy from
mode	Required. Specifies the transfer mode. The possible values are: FTP_ASCII, FTP_BINARY
resume	Optional. Specifies where in the remote file to start copying

### Example

This example copies the text from "source.txt" into "target.txt":

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

echo ftp_get($conn,"target.txt","source.txt",FTP_ASCII);

ftp_close($conn);
?>
```

The output of the code above will be:

1

- ftp\_put()

The ftp\_put() function uploads from a local file to the FTP server. This function returns TRUE on success and FALSE on failure.

```
ftp_put(ftp_connection,remote,local,mode,resume)
```

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
remote	Required. Specifies the file to upload to
local	Required. Specifies the path of the file to upload from
mode	Required. Specifies the transfer mode. Possible values: FTP_ASCII, FTP_BINARY
resume	Optional. Specifies where in the local file to start copying

### Example

This example copies the text from "source.txt" into "target.txt":

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

echo ftp_put($conn,"target.txt","source.txt",FTP_ASCII);
```

```
ftp_close($conn);  
?>
```

The output of the code above will be:

1

- **ftp\_login()**

The `ftp_login()` function logs in to the specified FTP connection. This function returns TRUE on success and FALSE and a warning on failure.

```
ftp_login(ftp_connection,username,password)
```

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to login to
username	Required. Specifies the username to login with
password	Required. Specifies the password to login with

Example

```
<?php  
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");  
ftp_login($conn,"admin","ert456");  
ftp_close($conn);  
?>
```

- **ftp\_mkdir()**

The `ftp_mkdir()` function creates a directory on the FTP server. This function returns the name and path of the new directory on success and FALSE on failure.

```
ftp_mkdir(ftp_connection,dir)
```

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
dir	Required. Specifies the name of the directory to create

Example

```
<?php  
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");  
ftp_login($conn,"admin","ert456");  
echo ftp_mkdir($conn,"testdir");  
ftp_close($conn);  
?>
```

The output of the code above will be:

/testdir



- ftp\_pwd()

The ftp\_pwd() function returns the current directory name of the specified FTP connection.

ftp\_pwd(ftp\_connection)

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

// print current directory
echo ftp_pwd($conn) . "<br />";

// change directory to images
ftp_chdir($conn,"images");

// print current directory
echo ftp_pwd($conn);

ftp_close($conn);
?>
```

The output of the code above will be:

```
/
/images
```

- ftp\_rename()

The ftp\_rename() function renames a file or directory on the FTP server. This function returns TRUE on success and FALSE on failure.

ftp\_rename(ftp\_connection,from,to)

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
from	Required. Specifies the file or directory to rename
to	Required. Specifies the new name of the file or directory

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");
```

```
ftp_rename($conn,"oldname.txt","newname.txt");  
ftp_close($conn);
```

```
?>
```

- ftp\_rmdir()

The ftp\_rmdir() function deletes a directory on the FTP server. This function returns TRUE on success and FALSE on failure.

ftp\_rmdir(ftp\_connection,dir)

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
dir	Required. Specifies the directory to delete

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

ftp_rmdir($conn,"testdir");

ftp_close($conn);
?>
```

- ftp\_size()

The ftp\_size() function returns the size of a specified file on the FTP server. This function returns the size in bytes or -1 on error.

ftp\_size(ftp\_connection,file)

Parameter	Description
ftp_connection	Required. Specifies the FTP connection to use
file	Required. Specifies the file to check

Note: Not all FTP servers support this function

Example

```
<?php
$conn = ftp_connect("ftp.testftp.com") or die("Could not connect");
ftp_login($conn,"admin","ert456");

echo ftp_size($conn,"test.txt");

ftp_close($conn);
?>
```

The output of the code above will be:

160