

## FTP Server Registry Settings

The registry stores information necessary to configure the system for applications and hardware devices. The registry also contains information that the operating system continually references during operation.

The following table shows the default registry settings for **HKEY\_LOCAL\_MACHINE\COMM\FTPD** that are included when the FTP server is added to your image.

<b>Value : type</b>	<b>Description</b>
<b>AllowAnonymous</b> : REG_DWORD	Default set to 1. Possible values are 0 (false) or 1 (true).  Determines whether the server will allow anonymous access.
<b>AllowAnonymousUpload</b> : REG_DWORD	Default set to 0. Possible values are 0 (false) or 1 (true).  Determines whether authorization is required for uploading files to server.
<b>DefaultDir</b> : REG_SZ	Default root directory. Directory and subdirectories of this key are accessible remotely. If this value is not set in the registry, the default is \Temp.
<b>IsEnabled</b> : REG_DWORD	Default set to 1. Possible values are 0 (false) or 1 (true).  Determines whether the server stays loaded when it is launched.
<b>UseAuthentication</b> : REG_DWORD	Default set to 1. Possible values are 0 (false) or 1 (true).  Determines whether authorization is required to connect to the server.
<b>UserList</b> : String	Provides a comma-separated list of allowed users. Requires UseAuthentication to be enabled.

## FTP Server User List

To determine the users that are allowed access to the FTP server, a list of user names must be included in the registry. To do this, set the **UserList** registry value to include the list of users and groups who either have access or are denied access to the server. For more information, see [Web Server Access Rights](#).

### Examples

```
UserList="GladysL;AnnD;-KimYos;@SomeGroup;-@villains"
```

allows GladysL, AnnD, and the SomeGroup group, but restricts the KimYos user and the villains group.

\* or @\* allows all users, and -\* or -@\* denies all users.

The string is interpreted sequentially; in other words, if GladysL is member of the Finance group, the following strings will allow GladysL.

```
GladysL
@ Finance
@ Finance;GladysL
GladysL;@ Finance
@ Admins;-GladysL
GladysL;-@ Finance
GladysL;-GladysL
*;-GladysL;-@ Finance
```

The following strings will restrict GladysL.

```
-GladysL
-@ Finance
-GladysL;@ Finance
-@ Finance;GladysL
-GladysL;GladysL
-GladysL;*
```

**Note** \* is a group and it must be marked as such in the list. It is possible that parsers understand both @\* and \* syntax, but they always use @\* syntax.

## Supported FTP Commands

The following table lists the FTP commands supported by the FTP server.

<b>FTP command</b>	<b>Description</b>
CDUP	Change to parent directory
CWD	Change working directory or library
DELE	Delete file or document
HELP	Help on the FTP server
LIST	File list
MKD	Make directory
MODE	Set transfer mode
NLST	Name list
NOOP	Obtain server response
PASS	Password
PASV	Use passive data connection
PORT	Data port
PWD	Print working directory
QUIT	End an FTP server system
RETR	Retrieve file
RMD	Remove directory
RNFR	Rename from
RNTO	Rename to
STOR	Store file
STRU	Specify file structure
SYST	Identify the name of the operating system
TYPE	Specify representation type
USER	Send a user logon ID to the server
XCUP	Change to parent directory
XCWD	Change working directory or library
XMKD	Make directory
XPWD	Display working directory or library
XRMD	Remove directory

## Unsupported FTP Commands

The Windows CE minimum implementation of the FTP server does not support the following FTP commands.

FTP command	Description
ABOR	Abort previous subcommand
ACCT	Send account information
ALLO	Allocate specific storage space to receive a file
APPE	Append data to end of file
REIN	Reinitialize
REST	Restart
SMNT	Structure mount
STAT	Status
STOU	Store unique