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# *CedeFTP User Guide*



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*What's Included In This Guide*

This guide describes the procedures to install and configure CedeFTP, and do any other day-to-day FTP tasks.

- Chapter 1, “CedeFTP Overview,” highlights the major features of CedeFTP.
- Chapter 2, “System Requirements,” details the minimum hardware specifications necessary to run CedeFTP.
- Chapter 3, “Installing CedeFTP,” describes the processes of installing and uninstalling CedeFTP.
- Chapter 4, “Configuring CedeFTP,” covers set up and customizing of CedeFTP, including user accounts, security features and registration information.
- Chapter 5, “Running CedeFTP,” tells you how to operate an FTP client.
- Chapter 6, “Technical Notes,” details the protocol and command support in CedeFTP.

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## *Using This Guide*

Review the first chapter to acquaint yourself with the features that CedeFTP provides.

Then read any chapter that's about configuration or operational functions that you are unfamiliar with. Each chapter includes an overview of how the components work, what it can do for you, strategies for using it, how to set it up and how to administer it over time.

Some chapters end with a section called "Where To Find More Information." This section points you to the Web sites and other reference material containing more information about the component.

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## *Getting Additional Information*

In addition to this document, you will find information about CedeFTP in:

- The product and support pages at <http://www.nsctech.com>.

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CedeFTP enables computers to transfer files over your network or the Internet. It supports the latest File Transfer Protocol (FTP) features and provides security extensions to protect your information. The software is suited to transferring database, medical, archive, scientific and multimedia files.

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### *Designed For Your Pocket PC*

CedeFTP sports the latest Microsoft “look-and-feel” and includes navigation tools (like multi-select mode) designed to minimize user input and display data in a compact and easy-to-use fashion. In addition, you can run CedeFTP in the “background” so you can perform other tasks while transferring files!

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### *Smart File Transfers*

CedeFTP can send and receive files and folders (recursively) with a few quick taps. The software also includes error recovery and mirroring capabilities that enable you to resume broken files transfers and synchronize data at regular intervals!

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### *Built-In File Management Functions*

CedeFTP lets you manage local and remote files, including the ability to create new folders, delete and rename files, change permissions and send custom commands.

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### *Time Saving Features*

You can configure CedeFTP to automatically dial, hang-up and use common FTP settings (like passive and overwrite modes) to help your work more efficiently. The software also includes an “address book” to manage FTP site login information.

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### *Firewall And FTP Proxy Friendly*

Firewalls restrict access to your network and impose many restrictions on the web services behind them. CedeFTP lets you to configure the protocol and the TCP/IP operation, including bandwidth throttle, of your FTP client.

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### *Perfect For Developers*

The registered version of CedeFTP lets you configure and run FTP operations from the command line, so you can develop and deploy your applications faster!

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### *Where To Find More Information*

Request for Comments (RFC) documents provide an overview of a protocol or service and details about how the protocol should work. If you are a new system administrator, you will probably find some of the background information in an RFC helpful. Experienced administrators can find the technical details of a protocol in these documents. You can search for RFC documents by number at this Web site:

<http://www.faqs.org/rfc>

For details about FTP, see RFC 959.



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The minimum requirements your device needs to run CedeFTP are:

- A 200Mhz ARM or XScale processor.
- 16MB RAM.
- 1MB of storage; 8MB or more recommended.
- Microsoft Pocket PC 2000/2002/2003 operating system.
- A TCP/IP network connection.
- External storage devices and memory cards are supported.



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This chapter describes the procedures to install and uninstall CedeFTP.

*NOTE: If you have purchased CedeFTP from an on-line distributor, print out your receipt and make a back-up copy of the software.*

### **Installing**

Perform the following steps to install CedeFTP:

1. Open Microsoft Windows Explorer (**Start > Programs > Accessories > Windows Explorer**) on your desktop computer.
2. Double-click the **Setup.exe** icon located in the CedeFTP folder.
3. Click **Install**.
4. Read the license agreement carefully. If you agree to the terms, click **Accept** to launch Microsoft ActiveSync.
5. Follow the on-screen instructions.

You can also install CedeFTP on your device:

1. Copy or download the CedeFTP.PPC3\_ARM.CAB file to your device.
1. Open Microsoft File Explorer (**Start > Programs > File Explorer**).
2. Locate and tap the CedeFTP .CAB file (specified above).

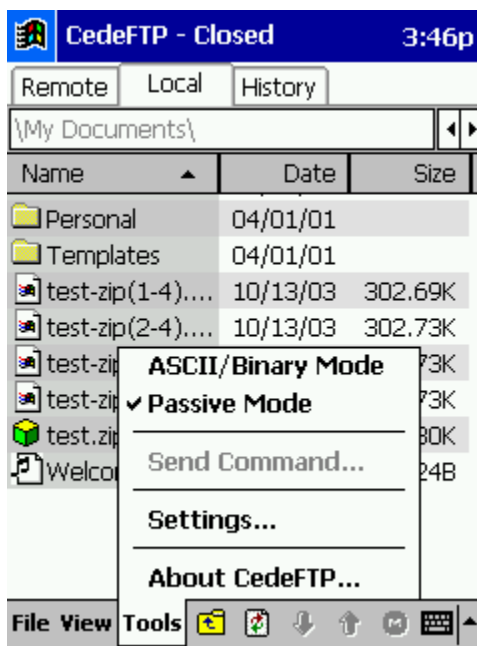
3. Follow the on-screen instructions.

### Uninstalling

Perform the following steps to uninstall CedeFTP:

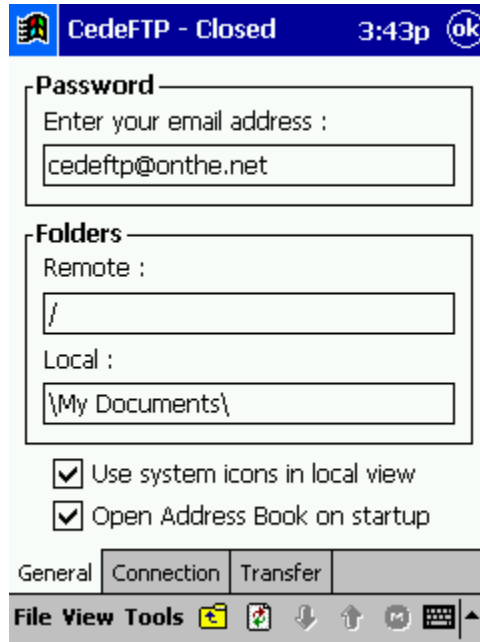
1. If CedeFTP is running on your device, exit the application.
2. Open Microsoft ActiveSync on your desktop computer.
3. Select the **Add/Remove Programs** options in the **Tools** menu.
4. Select **Noisette Software CedeFTP** in the application list.
5. Click the **Remove** button.
6. Follow the on-screen instructions.

To configure CedeFTP, open the application and choose the **Settings...** option in the **Tools** menu.



### *Step 1: Configure General Settings*

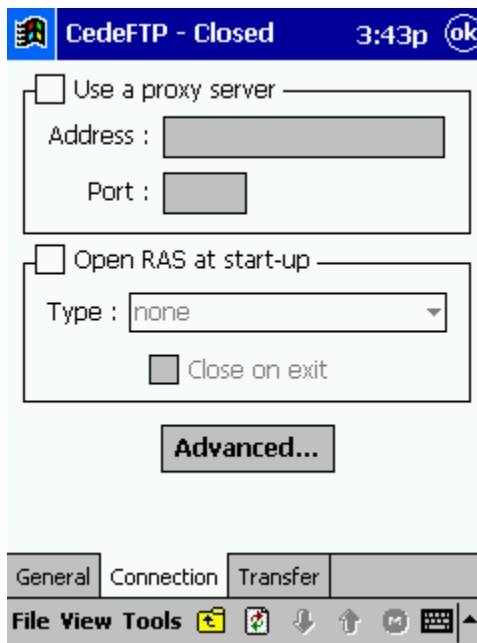
The General settings lets you specify the guest email password and default transfer folders.



1. **Anonymous password.** Enter a password for use on public (anonymous) FTP sites. The format for the email address is: username@yourdomain.com. For example, johndoe@hotmail.com.
2. **Remote folder.** Enter the default location to look for files and folders on FTP sites. The root ('/' forward slash with no quotes) folder is recommended.
3. **Local folder.** Enter or select the location on your device to store FTP files.
4. **Use system icons.** Check this option if you want to use application or “associated” icons in the local view.
5. **Open address book.** Select this option if you want to open the address book when CedeFTP starts.

## *Step 2: Configure Connection Settings*

The Connection settings let you specify your FTP proxy server (if required), RAS connection and bandwidth throttle settings.



1. **Use proxy server.** Check this option if your Internet service provider requires you to configure a proxy server for FTP usage. If you do not require this setting, skip to step 4.

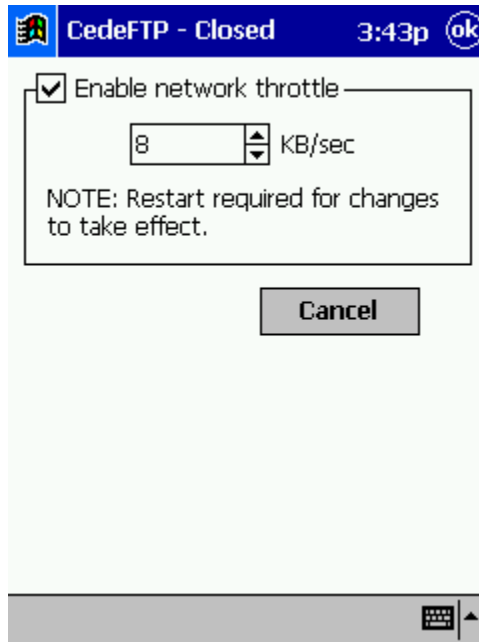
*NOTE: Ask your network administrator if you do not understand what this setting is for.*

2. **Proxy address.** Enter the IP or name of your proxy server.
3. **Proxy port.** Enter the TCP port for FTP connections.
4. **Open RAS at start-up.** Select this option if you want CedeFTP to automatically dial/hang-up your Internet connection. Skip to step 7 if you do not enable this setting.
5. **Select RAS connection.** Choose the connection to dial.
6. **Close on exit.** Check this option if you want CedeFTP to hang-up on exit.

7. **Configure advanced connection settings.** Tap this button to configure the bandwidth throttle.

### **Configure Advanced Connection Settings**

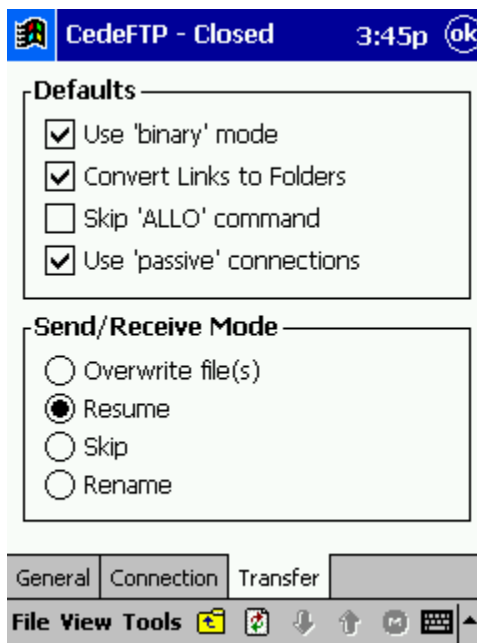
The bandwidth throttle lets you limit the speed of your FTP transfers. This feature was introduced to handle slow or error prone network connections.



1. **Enable network throttle.** Check this option if you want to limit the network utilization of your FTP connection.
2. **Maximum transfer speed.** If you have enabled the network throttle, enter the maximum transfer speed (KB/s). We recommend 8 KB/s or less for slow or unreliable connections.

### *Step 3: Configure Transfer Settings*

The Transfer settings let you specify the default data and write modes.



1. **ASCII/Binary mode.** Check this option to use binary data transfers (recommended); otherwise ASCII (or text) will be used.
2. **Convert links to folders.** Check this option to make symbolic links (a UNIX facility) appear as folders in the remote view. Otherwise they will be referenced as files.
3. **Skip ALLO command.** Select this setting to skip the FTP allocate (ALLO) command in upload sequences.
4. **Active/passive connection mode.** Enable this setting to use passive (client to server) data connections for sending/receiving file data. Note that active connections involve the server connecting to the client which is a security risk and is therefore refused by many servers.
5. **Write mode.** Select the default write mode for sending/receiving files.



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In this next section, we will examine how to operate CedeFTP.

## The Main Display



1. **Viewbar.** Change between remote, local and history (control channel) views.
2. **Pathbar.** Displays the current folder or location.
3. **Context menu.** Tap and hold to display shortcut options.
4. **Forward/backward buttons.** Changes to the previous or next folder.
5. **Header control.** Displays current sorting order. Tap to change sort order.
6. **File and folder view.** Displays relevant file and folder information.
7. **Menu and toolbar.** Commands and options.

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## *The Menu And Toolbar*



1. **Parent folder.** Change to the parent directory.
2. **Refresh view.** Update file and folder information.
3. **Download.** Get selected [remote view] files and folders from the FTP server.
4. **Upload.** Send selected [local view] files and folder to the FTP server.
5. **ASCII/Binary toggle.** Switch between ASCII and binary mode.

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## *Connecting To Remote Computers*

To connect to a FTP server, select the **Open...** option in the **File** menu. Enter the remote server's name (or IP address), your username and password. Enable the **Save in Address Book** checkbox if you want to reuse this data in the future. Tap **Connect** to start the FTP session.

If you have previously saved server information to the address book, you can access it through the **Address Book...** option in the **File** menu.

The screenshot shows the 'CedeFTP - Closed' dialog box. It has a title bar with a small icon, the text 'CedeFTP - Closed', and a clock showing '3:46p'. The dialog contains several input fields: 'Address :', 'Port : 21', 'Anonymous Login' (checked), 'Name :', 'Password :', 'Account :', and 'Directory : /'. Below these fields is a keyboard layout with rows of keys: '123 1 2 3 4 5 6 7 8 9 0 - = <', 'Tab q w e r t y u i o p [ ]', 'CAP a s d f g h j k l ; \'', 'Shift z x c v b n m , . / <~>', and 'Ctl áü ` \ < > <~>'. A small keyboard icon is in the bottom right corner.

*NOTE: You must register CedeFTP to use the address book.*

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## *Viewing History Information*

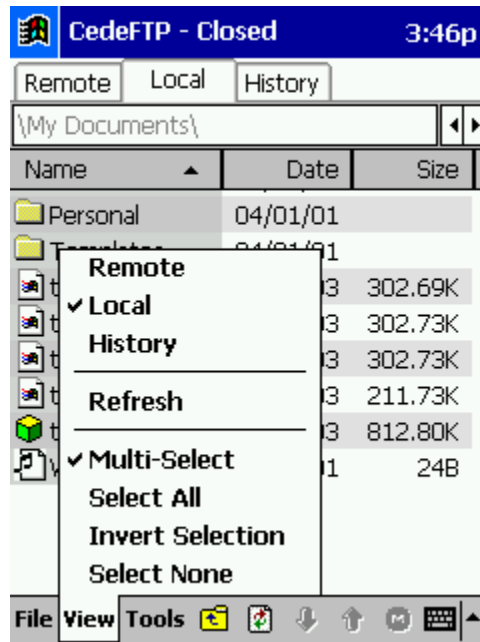
After connecting to a FTP server, CedeFTP will display a "history" (control channel) view. This display allows you to read server messages, errors and the progress of FTP operations. You can switch to this view at any time by tapping the **History** tab or selecting the **History** option in the **View** menu.

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## *Viewing File Information*

CedeFTP maintains remote and local file views for performing FTP operations. The remote view (**View > Remote**) is available when you are connected to a server, while the local view (**View > Local**) can be accessed at any time. Both views display the name, date, size and permissions of each file entry. The software includes several unique features to help you navigate this information:

- File data can be sorted by tapping the header labels.
- Using the **Multi-Select** option in the **Edit** menu, it is possible to select multiple file entries with single taps; without holding down the control or shift keys.
- Double-tap a folder to display it's contents.



WORK IN PROGRESS



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This section contains advanced system and protocol details for CedeFTP.

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### *Port Range*

CedeFTP uses the TCP ports between 2500 and 3000 for data connections. If your device is behind a firewall, you should update the network rules to allow incoming traffic (for PORT commands) in this range.

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## Command Line Parameters

CedeFTP supports the following command line parameters:

PARAMETER	DESCRIPTION/SYNTAX
address	FTP host address. Syntax: address <SP> [IP   DNS name]
port	FTP port (default 21). Syntax: port <SP> #
user	Login username (default “anonymous”). Syntax: user <SP> username
pass	Login password (default CedeFTP preferences). Syntax: pass <SP> password
acct	Login account (default none). Syntax: acct <SP> account
ldir	Local folder. Syntax: ldir <SP> folder <i>Remember to use quotes to specify folders with spaces in the filename.</i>
rdir	Remote folder. Syntax: rdir <SP> folder
send, put	Send file to FTP host. Syntax: send <sp> filename or put <sp> filename <i>Remember to use quotes to specify filenames with spaces.</i>
recv, get	Get file from FTP host. Syntax: recv <sp> filename or get <sp> filename
rest	Restart position for send/receive. Syntax: rest <sp> offset
ascii	ASCII mode.
binary	Binary mode.
pasv	Use passive connections.
port	Use active connections.
dial	Dial default RAS connection.

PARAMETER	DESCRIPTION/SYNTAX
hangup	Hangup RAS connection on exit.
status	Show operation success/failed dialog.
hide	Run CedeFTP in the background. You can open the application through the system tray ( <b>Start &gt; Today</b> ).
quit	Exit the application when command line processing is complete.

Note unspecified options will default to the application preferences.

### Examples

The following example will download the file screenshot.jpg from the FTP server at 192.168.1.2. CedeFTP will launch in the background (accessible from the system tray) and automatically exit when the download is complete.

```
CedeFTP.exe /address 192.168.1.2 /user someone /pass mypass /rdir Pub /ldir "My Documents" /get screenshot.jpg /binary /pasv /hide /quit
```



COMMAND	DESCRIPTION/SYNTAX	RFC
LIST	List file information in current/specified directory. Usage: LIST [<sp> pathname] <CRLF>	959
NLIST	List file names. Usage: NLIST [<sp> pathname] <CRLF>	959
CWD/XCWD	Change working directory. Usage: CWD/XCWD <sp> directory <CRLF>	959
CDUP/XCUP	Change to parent directory. Usage: CDUP/XCUP <CRLF>	959
PORT	Specify remote IP address for data transfer (server to client). Usage: PORT <sp> b0, b1, b2, b3, b4, b5 <CRLF>	959
PASV	Passive data transfer (client to server). Usage: PASV <CRLF>	959

COMMAND	DESCRIPTION/SYNTAX	RFC
TYPE	Set representation type. Usage: TYPE <sp> [A   I   L 8   N   T   AN   AT] <CRLF>	959
ALLO	Allocate storage space (ignored). Usage: ALLO <sp> filesize <CRLF>	959
STOR	Store (upload) file. Usage: STOR <sp> filename <CRLF>	959
STOU	Store unique file. <i>The server will generate and return a filename in the reply.</i> STOU <CRLF>	959
APPE	Append file. Usage: APPE <sp> filename <CRLF>	959
RETR	Retrieve (download) file. Usage: RETR <sp> filename <CRLF>	959
PWD/XPWD	Print working directory. Usage: PWD/XPWD <CRLF>	959
ABOR	Stop current operation. Usage: ABOR <CRLF>	959
USER	Set username. Usage: USER <sp> username <CRLF>	959
PASS	Set password. Usage: PASS <sp> password <CRLF>	959
ACCT	Set account (ignored). Usage: ACCT <sp> account-info <CRLF>	959
DELE	Delete file. Usage: DELE <sp> filename <CRLF>	959
RMD/XRMD	Remove directory. Usage: RMD/XRMD <sp> directory <CRLF>	959
MKD/XMKD	Create directory. Usage: MKD/XMKD <sp> directory <CRLF>	959

COMMAND	DESCRIPTION/SYNTAX	RFC
RNFR	Rename from. <i>Must be followed by RNTD command.</i> Usage: RNFR <sp> filename <CRLF>	959
RNTD	Rename to. Usage: RNTD <sp> filename <CRLF>	959
SYST	System command. Return host operating system information. Usage: SYST <CRLF>	959
MODE	Set transmission mode. Usage: MODE <sp> [S] <CRLF>	959
STRU	Set file structure. Usage: STRU <sp> [F   R] <CRLF>	959
STAT	Status. Return information about the current operation. Usage: STAT [<sp> pathname] <CRLF>	959
REIN	Reinitialize. This command terminates a user, flushing all IO. Usage: REIN <CRLF>	959/ EXT
MDTM	Set/get file modification time. Usage: MDTM <sp> pathname <CRLF> and MDTM <sp> timevalue <sp> pathname <CRLF>	EXT
SIZE	Return the size of a file (using current representation type). Usage: SIZE <sp> pathname <CRLF>	EXT
FEAT	Feature command. Show server capabilities. Usage: FEAT <CRLF>	2389
OPTS	Options command. Allows the client to set command behavior. Usage: OPTS <sp> command [<sp> options] <CRLF>	2389

COMMAND	DESCRIPTION/SYNTAX	RFC
HELP	Display command and syntax information. Usage: HELP [<sp> command] <CRLF>	959
NOOP	No operation. Usage: NOOP <CRLF>	959
EPRT	Extended PORT command. Usage: EPRT <sp> <d><net-prt><d><net-addr><d><tcp-port><d>	2428
EPSV	Extended PASV command. Usage: EPSV [<sp> ALL] <CRLF>	2428
QUIT	Logout. Usage: QUIT <CRLF>	959