CHEATHERO SHEETS

FTP Commands Cheatsheet

A quick reference guide to commonly used FTP (File Transfer Protocol) commands. This cheat sheet covers basic commands for connecting to FTP servers, navigating directories, uploading, and downloading files. It's designed for users interacting with FTP through a command-line interface.



Basic FTP Commands

Connection and A	uthentication
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Navigation

ftp [hostname]	Connects to the specified FTP server. Opens a connection to the specified host.	pwd	Prints the current working directory on the remote server.
user [username]	Specifies the username for login.	ls or dir	Lists the files and directories in the current remote directory.
password [password]	Specifies the password for the user.	cd [directory]	Changes the current directory on the remote server.
account [account- name]	Sends a supplemental account password required by some systems.	cdup	Changes to the parent directory on the remote server.
close	Closes the current FTP connection.	mls [remote-files] [local-	Generates a listing of the specified remote files.
bye or quit	Terminates the FTP session and exits.	file]	

File Transfer Commands

Downloading Files

Uploading Files

get [remote- file] [local- file]	Downloads a single file from the remote server. If local-file is not specified, the file is downloaded to the current directory with the same name as the remote-file .	put [local- file] [remote- file]	Uploads a single file to the remote server. If remote-file is not specified, the file is uploaded to the current directory with the same name as the local-file .	delete [remote-file] mdelete [remote-files]	Delete Delete server
mget [remote- files]	Downloads multiple files from the remote server using wildcard characters.	<pre>mput [local- files]</pre>	Uploads multiple files to the remote server using wildcard characters.	rename [old- name] [new- name]	Renar
recv [remote- file] [local- file]	Alias for get command.	<pre>send [local- file] [remote- file]</pre>	Alias for put command.	mkdir [directory- name] rmdir [directory- name]	Create remot Remo server
		append [local- file] [remote- file]	Appends a local file to a remote file. If the remote file doesn't exist, it will be created.		
		mput [local-	Upload multiple files using wildcards.		

files]

File Management

delete [remote-file]	Deletes a file on the remote server.
mdelete [remote-files]	Deletes multiple files on the remote server using wildcard characters.
rename [old- name] [new- name]	Renames a file on the remote server.
mkdir [directory- name]	Creates a new directory on the remote server.
rmdir [directory- name]	Removes a directory on the remote server.

Advanced FTP Commands

Transfer Modes

ascii	Sets the transfer mode to ASCII (text) mode.
binary	Sets the transfer mode to binary mode. Essential for non-text files like images or executables.
image	Alias for binary mode.
type [type- name]	Sets the file transfer type. Use <code>type ascii</code> or <code>type binary</code> .

Other Useful Commands

status	Displays the current status of the FTP connection.
system	Shows the type of operating system running on the remote server.
help [command]	Displays help information for the specified FTP command.
! Or shell	Escapes to the local shell.
prompt	Toggles prompting during multiple file transfers. Useful to turn off for automated scripts.
verbose	Toggles verbose mode. When on, displays more detailed output.

Passive and Active Modes

Understanding Transfer Modes

FTP can operate in two modes: Active and Passive. These modes define how the data connection (used for transferring files) is established. The choice of mode is often determined by firewall configurations.

Active Mode

Passive Mode

How it Works:	The client initiates the control connection (port 21). The server initiates the data connection back to the client (port > 1023).	How it Works:	The client initiates both the control connection (port 21) and the data connection (port > 1023) to the server.
Problems:	to the client, making active mode		More firewall-friendly as the client initiates all connections.
	problematic.	Command:	passive - Toggles passive mode on or off. Most clients default to passive mode.

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