

# Configuring CuteFTP for Best Performance

## THE INFORMATION IN THIS ARTICLE APPLIES TO:

- CuteFTP® (All Versions)

## DISCUSSION

One of the benefits of CuteFTP's powerful transfer engine is that it is highly configurable. With so many of the configuration options available, it is sometimes difficult to ascertain what settings are best. Even though the default configuration settings work well for most users, it may sometimes be beneficial to customize them to suit your specific needs. Doing so has the potential to increase transfer throughput by 300% to 400% compared to older versions of CuteFTP and most other competing FTP clients. If setup incorrectly however, performance can be degraded.

Some of the variables affecting throughput are the number of files being transferred, the individual file sizes, and whether you want to open only one session or multiple simultaneous sessions to the remote host. We recommend the following guidelines:

**1. Multipart Transfers.** If you are transferring one or more large-size files, use the Multipart transfer capability (**File > Download Advanced > Download Multi-part**). Make certain that multiple connections are allowed for the site under **Tools > Global Options > Connection**. When transferring large files in this manner, you should see significant increases in speed. For more information about multipart transfers, please see the CuteFTP Pro help file topic titled **Multi-part (accelerated) transfers**.

**2. Multiple Simultaneous Transfers.** CuteFTP can transfer up to 100 items *simultaneously*. This capability is useful in situations in which you need to transfer many small to medium size files. Earlier versions of CuteFTP (and most other FTP clients) can only transfer files one at a time (sequentially). To transfer files simultaneously, navigate to **Tools > Global Options > Connection** and set **Per site max connections/transfers** to an appropriate limit. Note that setting the limit too high may compromise overall system performance. Once configured, simply drag and drop your files or otherwise transfer them normally and let CuteFTP take care of rest. For more information about multiple simultaneous transfers, please see the help file topic titled **Connection options**.

**3.** If your needs are more modest, and you are transferring just one or a relatively few small to medium sized files or if multi-part or multiple simultaneous connections is

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otherwise not desired, navigate to **Tools > Global Options > Connection** and make sure that **Per site max connections/transfers** is set to "**1**". Then navigate to **Tools > Global Options > Transfer** and select the **Transfer files over the browse session** check box. Doing so configures CuteFTP so that a new session is not opened for each transfer. Otherwise, opening a new session for each transfer can take a few seconds and can effectively *increase* the overall transfer time when compared to some older versions of CuteFTP which always transferred files over the same session.

We are confident that once you configure CuteFTP for your particular needs, you will experience faster transfers than ever before.

GlobalSCAPE Knowledge Base

<https://kb.globalscape.com/Knowledgebase/10151/Configuring-CuteFTP-for-Best...>