



Cisco WAAS Mobile User Guide

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Contents

Contents	1
About This Document	2
Intended Audience	2
Chapter 1 Introducing Cisco WAAS Mobile	3
The Cisco WAAS Mobile System.....	3
Software Initialization	3
Modes of Operation.....	3
Cisco WAAS Mobile Acceleration Menu.....	4
Chapter 2 Monitoring Cisco WAAS Mobile	6
The Connection Monitor	6
Chapter 3 Configuring Cisco WAAS Mobile Client	8
General Options	8
Setup	10
Support.....	12

About This Document

Intended Audience

This guide is intended for users of the Cisco WAAS Mobile Client; it complements the on-line help system and provides a reference for offline study.

Chapter 1 Introducing Cisco WAAS Mobile

The Cisco WAAS Mobile System

Cisco WAAS Mobile is a software program which runs in the background on a user's PC and accelerates the speed of communications between the user's PC and servers for applications such as email, web browsers, and file transfers. The software is mostly transparent to the user. However, there are some user options; this guide explains their use.

Software Initialization

By default, the client automatically starts when the user logs into the PC. The system administrator may optionally require the user to register or login to the software. If this option has been configured, the user will be presented with dialog boxes asking for the appropriate information.

Modes of Operation

While running, a WAAS Mobile Acceleration icon showing the software status will be displayed in the Windows system tray. Below are the various icon states.



Software is running and accelerating applications



Software is running but application acceleration has been disabled



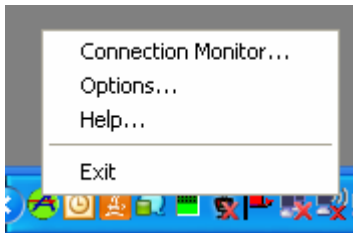
Software has lost connection to the Cisco WAAS Mobile Server and is not accelerating applications



Software has lost connection to the Cisco WAAS Mobile Server but is still active (see the "persistent sessions" entry in the "Setup" section of chapter 3)

Cisco WAAS Mobile Acceleration Menu

When the Cisco WAAS Mobile Acceleration icon in the Windows system tray is selected, the user is presented with a menu of options.



Connection Monitor	Displays the Connection Monitor dialog, allowing you to monitor the status of the Cisco WAAS Mobile link. See “The Connection Monitor” section below.
Options	Opens the Options dialog window. Use this command if you need to change configuration settings for your WAAS Mobile Client. You can also reach the Options dialog by double-clicking on the Cisco WAAS Mobile Acceleration icon.
Help	Accesses Cisco WAAS Mobile’s on-line Help system.
Exit	Terminates the client application and removes the icon from the system tray.

Restarting WAAS
Mobile

If the application is not running, it may be started in two ways.

- Through the Windows start menu, select Programs→Cisco Systems→WAAS Mobile→Cisco WAAS Mobile Client
- If Cisco WAAS Mobile Client is configured to start when Windows starts (see the Setup section), rebooting the computer or logging out & back in will restart the client

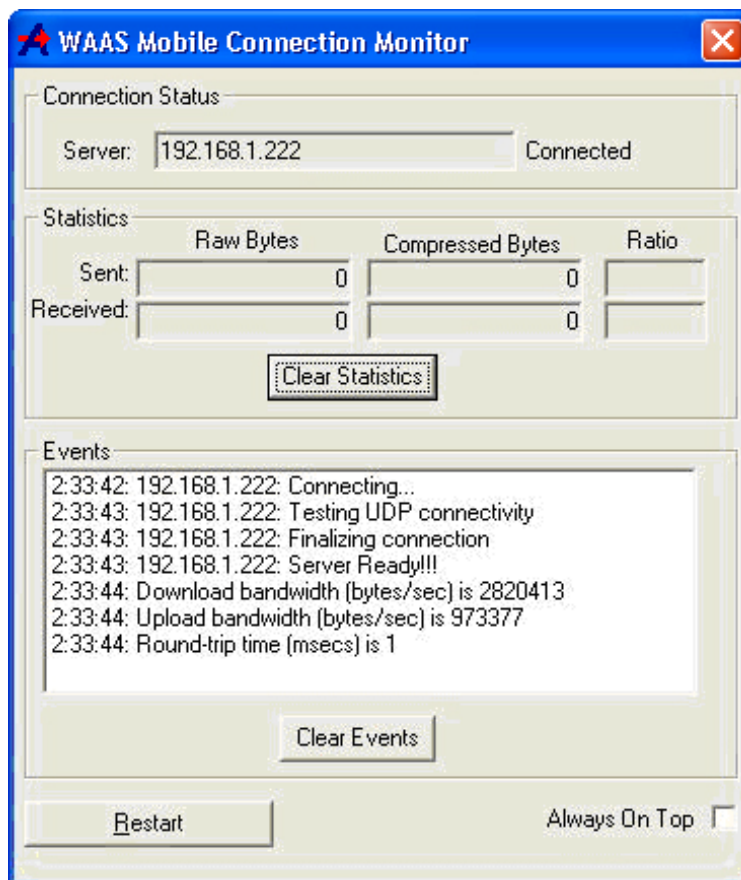
To restart the client while it is running, open the Connection Monitor from the Cisco WAAS Mobile Acceleration icon menu and click the Restart button.

Chapter 2 Monitoring Cisco WAAS Mobile

In normal circumstances, you will enjoy the benefits of Cisco WAAS Mobile's performance without even being aware of its operation. However, if for any reason you need to check the status of your Cisco WAAS Mobile link, you may do so using the Connection Monitor. The Connection Monitor is accessed through the icon in the Windows system tray.

The Connection Monitor

When you select "Connection Monitor" from the menu, this dialog appears:

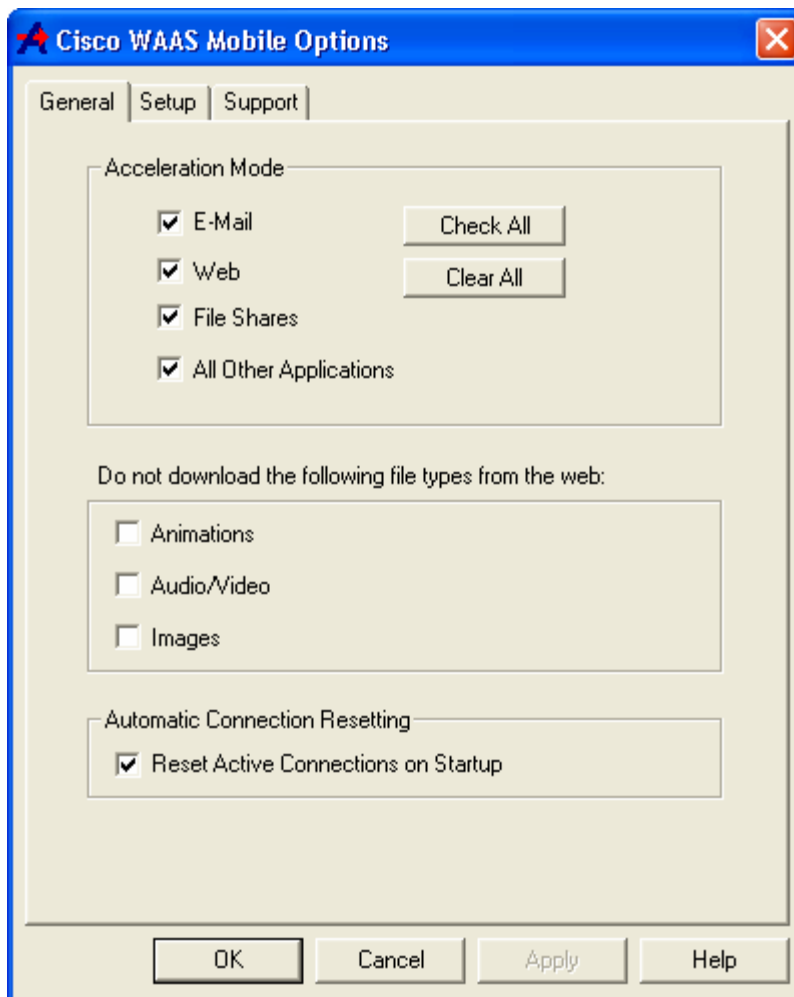


Connection Status	<p>The status reported in the “Connection Status” section of the Connection Monitor will be one of the following:</p> <p><i>Connected:</i> This is the “normal” mode. It means that the proxy server is ready and able to send data to (and receive data from) the client.</p> <p><i>User Disabled:</i> This mode occurs if you have chosen to disable acceleration. This is done from the Options dialog (see the “General Options” section below).</p> <p><i>Not Connected:</i> In this mode, the proxy server is not currently able to provide acceleration, even though acceleration is enabled on the client. Data is still sent and received over the communications link, but not at accelerated rates.</p>
Statistics	<p>The Statistics section allows you to monitor data compression, which is one measure of the acceleration performance of your Cisco WAAS Mobile link. Separate cumulative statistics are provided for data being sent from your computer and data being received by your computer.</p> <p>Clicking on the “Clear Statistics” button can reset these statistics.</p> <p>Although compression is only one aspect of acceleration performance, it’s generally true that if your compression ratio is high, your acceleration performance is high as well.</p>
Events	<p>The Events section displays messages indicating a variety of system activities. The log can be reset by clicking on the “Clear Events” button.</p>
Restart	<p>Clicking restart while the client is still running temporarily disconnects the client from the server, and then automatically reconnects again.</p>
Always on Top	<p>Select this option if you wish to view the information in the Connection Monitor while data is in progress. This option enables the Connection Monitor dialog to run on top of any other open window.</p>

Chapter 3 Configuring Cisco WAAS Mobile Client

Cisco WAAS Mobile's configuration options allow the user to customize the application's operation. The initial configuration is established by the system administrator. You can verify and change these configuration settings by selecting "Options" from the menu.

General Options



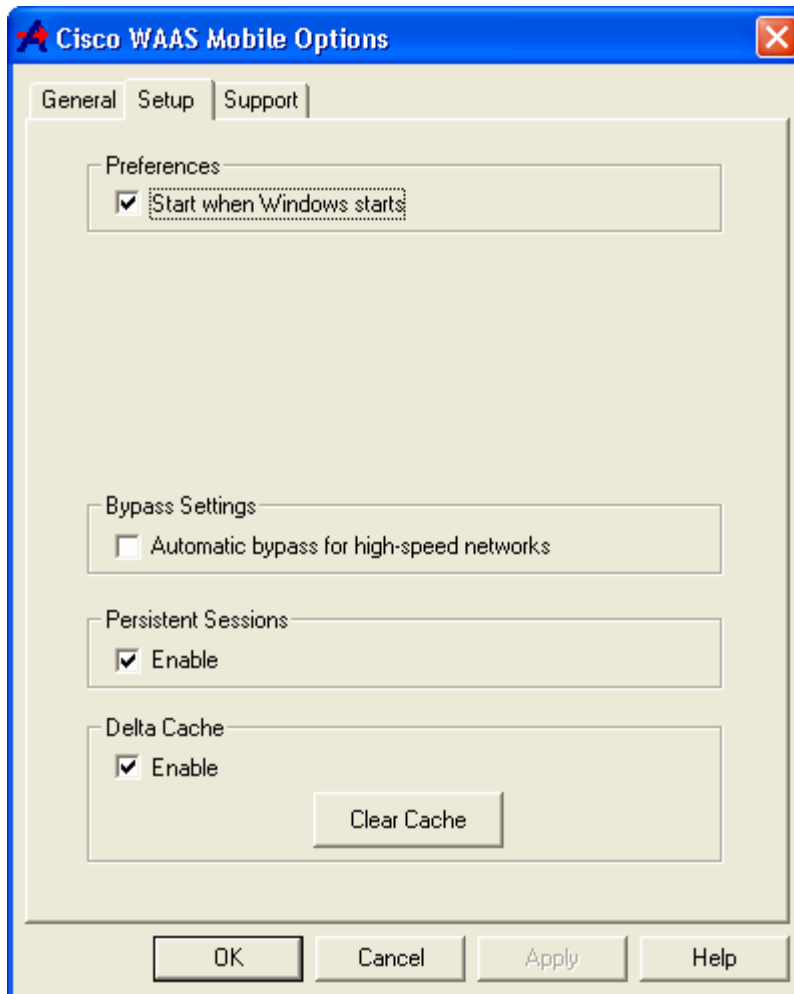
Acceleration Mode	The Acceleration Mode checkboxes allow you to enable and disable acceleration independently for the email, web browsing, file sharing and other applications. E-Mail applications include Outlook, Outlook Express, Thunderbird, and others. Web applications include Firefox, Internet Explorer, Netscape, and others. File Shares includes accessing remote file shares via Windows Explorer and Accelerated Folders.
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Do not download the following file types from the web:	These filter options allow you to increase your acceleration by blocking the download of certain file types from the web: <ul style="list-style-type: none">▪ <i>Animations</i>: Blocks most animated images, such as gif, and flash▪ <i>Audio/Video</i>: Blocks most audio & video files such as mp3, wav, Mpeg and QuickTime <p><i>Images</i>: Blocks most image files such as gif, jpeg, and bmp, allowing you to browse in a text-only mode</p>
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Reset Active Connections on Startup	Acceleration of certain applications does not begin right away if the software is started or restarted after the application has been running. Checking this checkbox allows the software to reset the connection for some applications, so that acceleration of those applications begins when Cisco WAAS Mobile Client starts. Depending on your administrator's configuration, the software may or may not be able to use this feature with any given application.
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NOTE: The file types listed above are just some examples of the most common file formats that can be blocked with the client filters.

Setup



NOTE: The above screen may vary slightly depending on the system administrator's configuration.

Start when Windows starts	If this option is checked, Cisco WAAS Mobile will start up automatically and try to connect when Windows is started. If not checked, Cisco WAAS Mobile only starts when selected from the Start/Programs/Cisco/WAAS Mobile menu.
Show file transfer status	Checking this option causes a file transfer window to appear during a download. This is useful for verifying that activity is taking place during long downloads. Uncheck this option to prevent the window from appearing.

Automatic
bypass for high-
speed networks

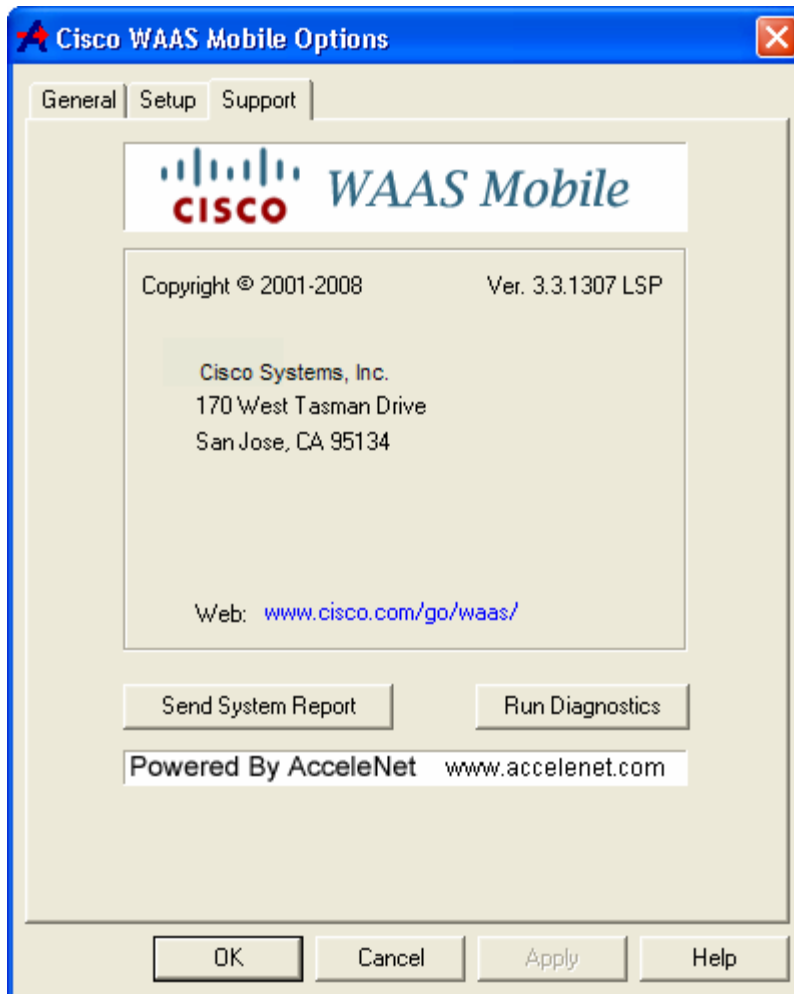
Acceleration benefits are limited when using some high-bandwidth connections, depending on the characteristics of the connection, including latency. No acceleration is typically needed to achieve acceptable performance over high-bandwidth, low-latency communications links. The “Automatic bypass for high-speed networks” checkbox can be used to bypass Cisco WAAS Mobile when a high-bandwidth connection is detected.

Note: this checkbox may or may not display depending on the system administrator’s configuration.

Persistent
Sessions

The Persistent Sessions feature maintains acceleration even when network connectivity is lost or when a mobile client switches to a different network, such as from WiFi to cellular. Any download or upload in progress will be preserved and will be resumed when the network is restored and the client reconnects to the server. Any download or upload initiated while network connectivity is lost will not be accelerated.

Support



The support tab shows information on the software version you are running as well as company name, address, telephone, email and web addresses to use when contacting Technical Support. Your company's customized contact information will appear. Depending on the client configuration established by your system administrator, "Send System Report" and "Run Diagnostics" option may be available. These support tools should only be used when directed by your technical support team as they may interrupt client operation.