

# Fast Link Checker

*Version 1.5*

*Online Manual*

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## **Introduction**

One of the most important indicators of a high-quality site is absence of broken links. There is nothing worse for a user than coming across either a link that leads nowhere or an empty square instead of an image. Broken links ruin your reputation and bring down your rating on search engines. For example, Google rates your site lower if it finds broken links there. Broken links are not just errors in the design of a site that can be overlooked, but they can cost you rating, traffic and money.

Thus, you need a program that would search all pages of your site for broken links and give you a detailed report about all found broken links. The program must check links to all pages both on this and external sites, the availability of images, scripts, style sheets and other objects linked to pages. It must be able to check links on the entire site, on one of its pages or in one directory.

Fast Link Checker is used for searching sites for broken links. It works like a robot of a search engine (Googlebot, MSNBot, WISENutbot, Alexa, etc.). You specify the file to start checking from and Fast Link Checker goes through all pages this file has links to until it checks all links on the site. If Fast Link Checker finds a broken link, it shows its position in the document, the cause why it does not work and a hint how it can be fixed. Fast Link Checker has a flexible management system and can check links to documents, images, scripts and other files. You can check links either only on one page or restrict the level of subdirectories. Fast Link Checker can check links in files available via the HTTP, HTTPS, FTP or FILE protocols and ignores all Gopher, Chrome, News and mailto: links. It supports HTTP, HTTPS and SOCKS proxy servers. Fast Link Checker allows you to generate and save reports. It implements a multithreaded algorithm allowing it to download and check several pages at a time, which considerably increases the performance.

## **Key features**

- Small and easy to use;
- Checks all pages on a site for broken links;
- Checks all pages on a site for broken links to graphic objects;
- Checks all pages on a site for broken links to scripts, style sheets and other objects;
- Works like a robot of a search engine (Googlebot, MSNBot, WISENutbot, Alexa, etc.);
- Checks all static and dynamic HTML pages;
- Downloads and checks several pages at a time;
- Checks links in files available via the HTTP, HTTPS, FTP and FILE protocols;
- Checks links in password-protected files and directories;
- Customizable user-agent identification, identifies itself in the user-agent field so you can see its visits in your log;
- Obeys voluntary robot guidelines, including the robots.txt standard for exclusion of files;

- Supports HTTP, HTTPS and SOCKS proxy servers;
- Allows you to create reports and save them to a file or send to email;
- Includes command line tool that can be launched from the command line or from batch files;
- Optimized for Windows XP and for Accessibility;
- Free support and upgrades to registered users.

## ***System requirements***

### ***Software***

Fast Link Checker supports the following operating systems: Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000, Windows XP and Windows 2003.

### ***Hardware***

Fast Link Checker can be run on any computer running one of the following operating systems: Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000, Windows XP or Windows 2003.

To install Fast Link Checker, you will need at least 4.5 MB of free disk space. And additional disk space will be required depending on the size of the checking site.

## ***Installation***

### **How to Install Fast Link Checker:**

- 1) Download the latest version of Fast Link Checker from our site;
- 2) Run the installation program;
- 3) After installation, Fast Link Checker will initially execute with the default settings.

### **Updating and reinstalling Fast Link Checker:**

If you want to upgrade your Fast Link Checker version, download the latest version from our site and start the installation program. During the installation process all system changes will be made automatically. Program will be upgraded but your preferences and registration information will be kept.

### **Uninstalling Fast Link Checker:**

If you want to uninstall Fast Link Checker, open **Add/Remove Programs** applet from your Control Panel, select **Fast Link Checker (Remove only)** item from the list on Install/Uninstall tab and click **Add/Remove...** button.

## Registration

You are free to evaluate Fast Link Checker for 30 days period, after which you must either register it or remove from your hard disk. Registering Fast Link Checker will bring you:

- remove nag screen and enable all features of the product;
- get an unlimited technical support by e-mail;
- get all future versions of the appropriate product for free.

Registering Fast Link Checker costs \$49 U.S.

All registrations are made through special secure server provided by the authorized registrar - “Share\*It”. You may register our products using secure or normal connection. Secure connection means, that all information will be encrypted before transmission to prevent possible interception by a third party. Your transmissions while in this area are absolutely secure and private. If you run into a problem, please feel free to contact us at [sales@webtweaktools.net](mailto:sales@webtweaktools.net). We will be happy to help you.

### Order by CREDIT CARD

The most convenient, fast and secure way to register is on-line registration on the ShareIt! site. They accept Visa, MasterCard, American Express, Discover and EuroCard. After you have submitted your registration form, you will receive the registration code in 24 hours. The Secure Order Form for Fast Link Checker can be found at:

<https://secure.shareit.com/shareit/checkout.html?productid=300015402&language=English>

If you are having difficulty accessing our secure server, please visit non-secure:

<http://www.shareit.com/programs.html?productid=300015402&language=English>

Alternatively, you can go to <http://www.shareit.com> and enter the program number there: **300015402**.

If you do not have access to the Internet, you can register via phone, fax or postal mail.

### Ordering by FAX or PHONE

If you do not want to submit your order and credit card information online, you can also fax your order at **+49-221-31088-29**, or call at **+49-221-31088-20**. (Please note, however, that this is a secure website which is encrypting all transmitted credit card data according to the secure HTTP protocol.)

**US and Canadian customers:** You may also place your order by calling toll-free order number **1-800-903-4152** (available on weekdays from 9am to 5pm). Orders may also be sent by fax to **(724) 850-8187**. Please make sure to have your program ID **300015402** ready, and follow the signposts, or telephone.

### BANK TRANSFER orders

Account holder: **element 5 AG**  
Bank: **Postbank Koeln, Germany**  
Bank #: **370 100 50**

Account #: **692-77-506**

Your order will be processed when payment is received at account.

### **CHECK and CASH orders**

If you want to pay with cash or by check, please send it to:

**element 5 AG**  
**Vogelsanger Str. 78**  
**D-50823 Koln/Cologne**  
**Germany**

Please make checks payable to element 5 AG.

If you're located in the US or Canada, you can also send your check or cash payment to ShareIt! US office:

**ShareIt! Inc.**  
**P.O. Box 844**  
**Greensburg PA 15601-0844, U.S.A.**  
**Phone: (724) 850 – 8186**  
**Fax: (724) 850 - 8187**  
**Please make U.S. checks payable to ShareIt! Inc.**

**When ordering please quote program/product ID 300015402 - Fast Link Checker**

One license may be purchased if a single person uses the software personally on one or more computers. Having paid for the necessary number of licenses (discounts for multiple licenses are available), you obtain your personal registration key.

Note, that we as developers DO NOT get access to your credit card number.

## **Contact**

Thank you for trying Fast Link Checker. We hope you'll enjoy using this software.

Please feel free to contact us with any your questions, suggestions and bug reports by following addresses:

[support@webtweaktools.net](mailto:support@webtweaktools.net)

Please read the FAQ and write if you have additional questions or problems.

[sales@webtweaktools.net](mailto:sales@webtweaktools.net)

Currently our products are only distributed on the Internet. If you are interested in exchanging links with us, or would like to help us with physical distribution, promotion in software compilations, or business cooperation, kindly let us know! We are open to various levels of cooperation.

[RegistrationProblems@webtweaktools.net](mailto:RegistrationProblems@webtweaktools.net)

If you don't receive your registration code in a timely manner, or if you've lost it, please let us know. Please include your name, address, email address, and order confirmation number (if you have it). We will be happy to help you.

[translation@webtweaktools.net](mailto:translation@webtweaktools.net)

Email your translations to us! If we choose yours for the next version, you'll get our products for free.

Homepage: <http://www.webtweaktools.net>

## **Hints and Tips**

The "Tip of the Day" dialog box is normally displayed when you start Fast Link Checker. You can turn "Tip of the Day" off by the check box bellow and later want see the tips, select **Tip of the Day** from the **Help** pull-down menu.

If you are behind a firewall, Fast Link Checker can support HTTP and SOCKS proxy servers. Proxy servers may be customized on **Connection** tab of the **Settings** dialog.

Learn to use the Windows HtmlHelp system! Most modern Windows programs use the HtmlHelp system, so you will quickly make up for the time you spend learning it by being more productive in most your Windows applications. To get started, select **How to Use Help** from the **Help** menu.

Fast Link Checker can perform some action upon link checking is finished. This action can be a combination of the following options: **Close Link Checker**, **Disconnect modem from Internet** and **Shutdown Windows**. You can set it in the **Options** tab of **Settings** dialog.

For answers to Frequently Asked Questions (FAQs), select **Frequently Asked Questions** from the Link Checker **Help** pull-down.

Fast Link Checker can check links only in the one file. For perform this operation select option **Only check links in the first URL** before click **Start scanning** command.

For a complete Tip of the Day list, select **Hints and Tips** from the Fast Link Checker **Help** pull-down menu.

Fast Link Checker can skip external links while link checking. For skip external links select option **Do not check external links** before click **Start scanning** command.

Normally, Fast Link Checker does not check links on pages forbidden to be indexed by robots in the robots.txt file. To let the program check links on pages forbidden to be indexed by robots in the robots.txt file, select the **Ignore robots.txt file** option before clicking the **Start scanning** command.

Normally, Fast Link Checker considered all links to be case-sensitive. But you can make Fast Link Checker ignore the case of letters when it compares links by selecting the **Ignore case when comparing links** option before clicking the **Start scanning** command.

You can restrict the level of subdirectories to be checked by selecting the **Restrict checking to directory level** option. If you select this option, the program will ignore all files below the specified level in the directory tree.

Fast Link Checker allows you to create and save reports about the links checked on the site. To generate a report, select the **Export data...** command in the **Reports** menu, specify the parameters that should be present in the report and click the **Export data** button to start creating the report.

You can use the **User agent identification** option on the **Connection** tab in the **Settings** dialog box to specify the name of the user agent the program will use when requesting files from a web server. This option can be useful if some web server gives different information to different Internet browsers or if you want to configure Fast Link Checker to identify itself as a certain user agent for you to be able to see its visits in your server log files.

Fast Link Checker implements a multithreaded algorithm allowing it to download and check several pages at a time, which considerably increases the performance. You can use the **Number of network connections** option on the **Options** tab in the **Settings** dialog box to set the number of network connections.

Fast Link Checker can check links in files located in a certain directory only. To enable it, specify the URL of this directory in the **URL** field before clicking the **Start scanning** command. For example, if you specify <http://www.mysite.com/mydata/> in the URL field, the program will check all pages it will find in the [mydata](#) directory of the [mysite.com](#) site.

## ***Frequently Asked Questions***

### **1. What is Fast Link Checker?**

Fast Link Checker is used for searching sites for broken links. It works like a robot of a search engine (Googlebot, MSNBot, WISENutbot, Alexa, etc.). You specify the file to start checking from and Fast Link Checker goes through all pages this file has links to until it checks all links on the site. If Fast Link Checker finds a broken link, it shows its position in the document, the cause why it does not work and a hint how it can be fixed.

### **2. Why is it important?**

One of the most important indicators of a high-quality site is absence of broken links. There is nothing worse for a user than coming across either a link that leads nowhere or an empty square instead of an image. Broken links ruin your reputation and bring down your rating on search engines.

### **3. Where can I get it?**

You can download it from our web site:

<http://www.webtweaktools.net/fastlinkchecker/download.html>.

### **4. How do I register?**

Fast Link Checker registration costs \$49. You can register it by credit card, bank transfer, check or cash. Please read more information about registering Fast Link Checker at <http://www.webtweaktools.net/fastlinkchecker/purchase.html>.

### **5. The registration key you sent me doesn't work, why?**

If most cases this happens simply because the name and number have not been typed into the registration dialog exactly as shown in the registration Email. It is important to

remember that character case, punctuation, and spaces are significant. We suggest that you cut and paste the name and number directly from your registration Email to the registration dialog.

#### **6. Why Fast Link Checker doesn't display help correctly?**

If you do not have Internet Explorer 5 or higher, you may need [hhupd.exe](#) to use the Html Help feature.

#### **7. Why program does not start in Windows 95?**

Windows Sockets 1.1 or later must be installed on your computer. You can download W95 Winsock Upgrade from Microsoft server:

[http://www.microsoft.com/windows95/downloads/contents/WUAdminTools/S\\_WUNetworkingTools/W95Sockets2/Default.asp](http://www.microsoft.com/windows95/downloads/contents/WUAdminTools/S_WUNetworkingTools/W95Sockets2/Default.asp)

Or from our server: <http://www.webtweaktools.net/W95ws2setup.exe>.

#### **8. How do I protect Fast Link Checker settings from reinstalls, upgrades or operating system crashes?**

Fast Link Checker keeps all its settings in the "Fast Link Checker" folder located in your "Application Data" directory. In order to save Fast Link Checker settings you can copy these files somewhere else and when you'll need to restore Fast Link Checker settings you must these files back to your "Application Data" directory.

#### **9. Can I set different location for Fast Link Checker settings?**

Fast Link Checker uses registry key to allow override its settings files location. Specify directory where settings files are located in the string value "SettingsDir" in the key "HKEY\_CURRENT\_USER\Software\WebTweakTools\FastLinkChecker" of the system registry and restart program. In the specified directory Fast Link Checker will keep file settings.ini with its settings and folder AutoSave with auto-saved data.

#### **10. Why Size/Last modified fields in the list are empty sometimes?**

These fields are depending on the server. They are empty when the server did not return their values.

#### **11. Why HTTPS security links does not open on my system?**

In order to open pages with HTTP protocol you should have the High Encryption Pack installed. You can download it from Microsoft's website: <http://www.microsoft.com/windows/ie/downloads/recommended/128bit/default.asp>.

#### **12. Can I buy Fast Link Checker with PayPal?**

Yes, now we accept PayPal. Please follow this link to Fast Link Checker registration form with PayPal: <http://www.webtweaktools.net/fastlinkchecker/paypal.html>.

## Getting started

### **Checking links on a site**

To start checking links, enter the address of the site into the **URL** field, set the necessary values for other parameters and click the **Start** button. You can click the **Pause** button to pause the process or the **Stop** button to stop it.

Fast Link Checker will download the page specified in the **URL** field, extract all links from it and try to open each of them one by one to check their availability. After Fast Link Checker checks all links on the current page, it will move on to other pages in the order they are detected in the first file.

The program puts all links it finds onto the **Found Links** list. Then it tries to open them and puts the results of these attempts onto the **Processing** list along with all additional information it receives from the server when opening the link. If the program finds a broken link, it puts it onto the **Broken Links** list with the information about the page where it was found, its position on the page and a possible cause why it does not work.

### **Checking links on a single page of a site**

To check links on one page of a site, enter the address of this page into the **URL** field, select the **Only check links in the first URL** option and click the **Start** button. You can click the **Pause** button to pause the process or the **Stop** button to stop it.

Fast Link Checker will download the page specified in the **URL** field, extract all links from it and try to open them one by one to check their availability. After Fast Link Checker checks all links on the current page, it will finish its work.

### **Setting up a connection via a proxy server**

At present, Fast Link Checker supports the following types of proxy servers: HTTP, HTTPS and SOCKS5.

To change the settings of a proxy server, open the **Connection** tab in the **Settings** dialog and check the **Use a proxy server** option, after that select the type of the proxy server, enter its address and port number. If your proxy server requires authentication, check the **Use authentication for the server** option and enter your username and password in the corresponding input fields.

### **Checking links on a site situated on the local computer**

The best way to check links on a site situated on your local computer is to install a local web server so that your local site becomes available at <http://localhost/>. In this case you should specify <http://localhost/> in the **URL** field and start checking links. The program will automatically check links on the site available on your local web server and all the options will work as if the real address of a site on the Internet is specified in the **URL** field.

Note that if you access the Internet via a proxy server, you will probably have to disable it to access the site on your local web server. To solve this problem, you can use the **Bypass proxy for local addresses** option on the **Connection** tab in the **Settings** dialog box. It allows you to avoid using the proxy server for connecting to resources available at a local URL.

Fast Link Checker also supports the FILE protocol and can check links on pages located in the file system of your computer. To use this protocol, you should specify the full path to the file to start checking links from (for example, <file:///C:/myfolder/myfile.html>). The program will load the <C:\myfolder\myfile.html> page, extract all links from it and try to open each of them to check its availability. After the program checks all links on the current page, it will move on to other pages in order they are detected in the first file. The program will ignore links to pages located below the current directory. All other options will work as if the real address of a site on the Internet is specified in the **URL** field.

### ***Configuring user agent identification***

Fast Link Checker allows you to use the **User agent identification** option on the **Connection** tab in the **Settings** dialog box to specify the user agent name. This option allows you to specify the name of the user agent the program will use when requesting files from a web server. This option can be useful if some web server gives different information to different Internet browsers, i.e. it shows the standard contents for Internet Explorer and the content that is better displayed in Netscape for Netscape.

You can also configure Fast Link Checker to identify itself as a certain user agent for you to be able to see its visits in your web server log files.

### ***Creating and saving reports***

Fast Link Checker allows you to generate reports about the links checked on the site. The report can include information about all links found on the site, about links either to hypertext documents only or to graphic objects only, as well as all broken links.

You can save such a report in the following formats: html, csv (Excel), text (tab delimited), text (comma delimited). Each found link is accompanied by the following information (customizable): URL, Title, Status, Protocol, Content-type, etc.

To generate a report about the work of the program, select **Export data...** from the **Reports** menu, specify the parameters you need in the report and click the **Export data** button to start generating the report.

### ***How to check links, which require user authorization***

Since version 1.3 Fast Link Checker supports HTTP/HTTPS user authorization. Now you can check links in pages which are protected with username and password. Simply specify URL in the following format: `scheme://username:password@domain.zone/resources/files`, for example: <http://johns:n135hbh35@yoursite.com> or <http://stan:xn381bb3b@yoursite.com/dirfiles/>.

## **Reference**

### ***Main window***

You can open a worksheet by selecting the **New** command from the **File** menu. It is divided into two parts. In the left part you can see the individual settings of the current check. The right part shows the process of checking links.

To start checking links, enter the address of the site into the **URL** field, set the necessary values for other parameters and click the **Start** button. You can click the **Pause** button to pause the process or the **Stop** button to stop it.

The **Reports** menu contains commands for creating and saving reports about the work of Fast Link Checker.

You can save the worksheet of the current window by selecting the **Save worksheet** command from the **File** menu. The program saves the current state of the check in the current window at the current moment. You can restore the worksheet with the **Load worksheet** command from the **File** menu.

Each worksheet is also saved automatically when you close the program, so you can pause the current check and close the program. When you open it next time, the worksheet will be restored and you can continue checking links by clicking the **Start** button.

## **URL**

The address of the site to check links on. It can consist of a protocol name, a domain name and a link to the resource. For example, <http://www.mysite.com/index.html>. In this example, the program will check all pages on mysite.com starting from index.html. Another example is <http://www.mysite.com/subdir/>. In this example, the program will check all pages in the subdir directory of mysite.com.

## **Display site name as**

This name is to substitute instead of the actual site name. So the report will contain this site name. For example, when checking <http://www.mysite.com/index.html> you can specify "myanothersite" in "Diaplay site name as" and all the links to mysite will be displayed as the links to myanothersite.

## **Recheck bad links**

This option allows you to automatically re-check links which are failed due to a system errors such as timeout, error reading file, socket errors, etc., which appeared on your local system, not on web-server.

## **Check hyperlinks**

Select this option to check links to hypertext pages.

## **Check images**

Select this option to check links to graphic objects.

## **Check other links (script, css...)**

Select this option to check links to scripts, style sheets and other objects.

## **Ignore robots.txt file**

Normally, Fast Link Checker does not check links on pages forbidden to be indexed by robots in the robots.txt file. Select this option to let the program check links on pages forbidden to be indexed by robots in the robots.txt file.

**Check links only in the first URL**

This option allows you to check links only on the page specified in the URL field. The program will not follow links it will find on this page, but will only check their availability.

**Do not check external links**

Normally, Fast Link Checker checks all links that lead from the current site to other external sites. You can change this behavior by selecting this option. The program will ignore links to other sites and check only links within the current site.

**Ignore case when comparing links**

Normally, Fast Link Checker considers all links to be case-sensitive. Select this option to make Fast Link Checker ignore the case of letters when comparing links.

**Restrict checking to directory level**

If you check links on large sites, you can restrict the level of subdirectories to be checked. For example, if you specify "3" in this field, the program will not check links on pages below the third level from the checking folder. When checking links on [www.mysite.com](http://www.mysite.com) pages located in the directory [www.mysite.com/level\\_1/level\\_2/level\\_3/](http://www.mysite.com/level_1/level_2/level_3/) will not be checked.

This option allows you to check links on large sites in parts, restricting the level of subfolders.

**Check files in parent directory**

Normally, if you specify start URL like "http://www.mysite.com/subdir/", the links in the directory "subdir" will only be checked. With this option entire site will be checked not depending on the start directory.

**Check only files below/above size**

Skip all files which size is greater or less than specified number of kilobytes.

**Do not check slow links**

Skip checking all links marked as slow. Normally slow links are checked like all other links but when this option is set all slow links will be skipped. See also **Slow link time** options on the **Options** tab of Settings dialog.

**Check only the following files**

Skip all files which do not meet the wildcards specified. Use semicolon (;) to separate entries. For example, if you specify "/files/\*.html;/dir/\*" then will be checked only: (a) all html files in the "files" directory and (b) all files in the "dir" directory and its subdirectories.

**Skip the following files**

Skip all files which do not meet the wildcards specified. Use semicolon (;) to separate entries. For example, if you specify "/files/\*.html;/dir/\*" then will be checked only: (a) all html files in the "files" directory and (b) all files in the "dir" directory and its subdirectories.

## **Processing**

This list contains links either already checked or being checked at the moment and the state of checking (whether the resource the link refers to is found and the description of the error if the resource is not found).

## **Site layout**

Site layout represents the structure of the site being checked with its folders and files. Broken links are marked by the error sign in the icon. Hold mouse cursor over an item to view extended information for it.

## **Broken links**

This list contains all broken links found on the site, the page where they are located, their position there and a possible cause why they do not work.

## ***Settings (Options/Connection/File Extensions)***

### **Options**

#### **URL Timeout**

Timeout value, through which time server request will be canceled if there is no answer from the server.

#### **Slow link time**

Time value, through which time a checking link will be marked as a **slow link**.

#### **Number of network connections**

Number of network connections, which may be opened at a time. This allows loading several files simultaneously and considerably increases the performance.

#### **Number of connections to the same server**

Number of network connections to the same server, which may be opened at a time. This allows reducing server load and avoiding some server errors such as too many connections opened.

#### **User agent identification**

The name of the user agent the program will use when requesting files from a web server.

#### **Upon finishing**

When the program has finished checking all links the following actions may be performed:

- Close Link Checker
- Disconnect modem from Internet
- Shutdown Windows

## Connection

If you are using a proxy server for connecting to the Internet, it can be still available to check your site for broken links with Fast Link Checker. You just need to know what type of proxy you use, its address and port number. Currently Fast Link Checker supports HTTP and SOCKS proxy servers.

If your proxy server requires authentication, you must check **Use authentication for the server** check box and specify your user name and password in the corresponding boxes.

Note that if you access the Internet via a proxy server, you will probably have to disable it to access the site on your local web server. To solve this problem, you can use the **Bypass proxy for local addresses** option on the **Connection** tab in the **Settings** dialog box. It allows you to avoid using the proxy server for connecting to resources available at a local URL.

## File extensions.

When the program checks links on the site, it uses information from the **File extensions** dialog box to determine the type of files links refer to. For example, if Link Checker finds a link referring to a file that has an extension specified in the HTML list, it will follow this link and load the file to check links in it. But if the program finds a link referring to a file that has an extension specified in the Image list, Link Checker will just check its availability without loading its contents.

The following file types can be specified: Application, Audio, HTML, Image, Text and Video. Each file type must have a list of file extensions belonging to it. A list can have any number of extensions separated by blank spaces.

## Reports

Fast Link Checker allows you to generate reports about the links checked on the site. The report can include information about all links found on the site, about links either to hypertext documents only or to graphic objects only, as well as all broken links.

You can save such a report in the following formats: html, csv (Excel), text (tab delimited), text (comma delimited). Each found link is accompanied by the following information (customizable): URL, Title, Status, etc.

To generate a report about the work of the program, select **Export data...** from the **Reports** menu, specify the parameters you need in the report and click the **Export data** button to start generating the report.

## Common user-agent types

Every time you go to a website, you send what is called a User Agent string. Every browser has one. Most of them start with the word "Mozilla". Mozilla has always been the nickname for the browser made by Netscape. (And now, we have a browser called Netscape and a different browser called Mozilla, both of which identify themselves as Mozilla).

Let's take a look at a few examples:

**Internet Explorer sends this:**

"Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"

**Opera (by default) sends this:**

"Mozilla/4.0 (compatible; MSIE 5.0; Windows XP) Opera 6.05 [en]"

**Mozilla sends this:**

"Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.1)"

They all start with the word "Mozilla" because an early version of Netscape (which identified itself as "Mozilla") could handle more complex HTML than early versions of Internet Explorer. Web designers were swept up into a practice that would haunt them yea unto the gates of hell: they started Sniffing Browsers. Basically, they looked at the User Agent string and started to give different content to different browsers. Then Internet Explorer added functionality to handle more complex HTML, but since some folks had already started looking for the word "Mozilla" in the User Agent string, Microsoft decided that they would adopt it too.

## ***HTTP Error Codes and their descriptions***

### **100-199 Informational**

100 Continue - The client can continue its request.

101 Switching Protocols - The server has complied with the client's request to switch protocols.

### **200-299 Success: indicates that a client's request arrived and was accepted.**

200 OK - The request was successful.

201 Created - The request was successful and a new resource was created as a result.

202 Accepted - The request was accepted for processing.

203 Non-Authoritative Information - The meta-information in the entity-header is from a local or third-party copy.

204 No Content - The server serviced the request but there is no information to return.

205 Reset Content - The request was successful and the user agent should clear the input form for further input.

206 Partial Content - The server serviced a (byte) range request for the resource.

### **300-399 Client request redirection, further action required.**

300 Multiple Choices - The requested resource could be one of multiple resources.

301 Moved Permanently - The requested resource has permanently moved to a new location.

302 Moved Temporarily - The requested resource has temporarily moved to a new location.

303 See Other - The response to the request is under a different URI and can be retrieved with a GET request.

304 Not Modified - The requested resource has not been modified since it was last requested.

305 Use Proxy - The requested resource must be accessed through a proxy server.

#### **400-499 Client error**

400 Bad Request - The server cannot read the request because its syntax is incorrect.

401 Unauthorized - The server must authenticate the user before servicing the request.

402 Payment Required

403 Forbidden - The server refused to service the request.

404 Not Found - The server cannot find the requested resource.

405 Method Not Allowed - The method specified in the Request-Line is not permitted for the requested resource.

406 Not Acceptable - The requested resource can only generate response entities that have unacceptable content characteristics according to the accept headers sent in the request.

407 Proxy Authentication Required - The proxy server must authenticate the user before servicing the request.

408 Request Timeout - The client did not make its request within the amount of time the server will wait for requests.

409 Conflict - The server could not service the request due to a current conflict with the requested resource.

410 Gone - The requested resource is no longer available on the server.

411 Length Required - The server will not service the request without a Content-Length specified in the request.

412 Precondition Failed - A precondition specified in one or more of the request-header fields failed.

413 Request Entity Too Large - The server will not service the request because the requested resource is too large.

414 Request-URI Too Long - The server will not service the request because the requested URL is too long.

415 Unsupported Media Type - The server will not service the request because the format of the request is not supported by the requested resource for the requested method.

#### **500-599 Server error**

500 Internal Server Error - The server could not service the request because of an unexpected internal error.

501 Not Implemented - The sever cannot service the request because it does not support the request method.

502 Bad Gateway - The proxy server received an invalid response from the content server or another proxy server in a proxy chain.

503 Service Unavailable - The server could not service the request because it was temporarily overloaded or undergoing maintenance.

504 Gateway Timeout - The proxy server did not receive a response from a chained proxy server or the origin content server within an acceptable amount of time.

505 HTTP Version Not Supported - The server does not support the HTTP version specified in the request.

### **Settings.ini file**

Please note: most settings in Settings.ini can also be changed from dialog boxes. Very few settings can only be changed directly, either because they are not meant for the end user, or they are only a workaround to a specific problem.

Note: By default Fast Link Checker keeps all its settings in the "Fast Link Checker" folder located in your "Application Data" directory. But this location may be overridden by specifying another directory where settings files are located in the string value "SettingsDir" in the key "HKEY\_CURRENT\_USER\Software\WebTweakTools\FastLinkChecker" of the system registry. In the specified directory Fast Link Checker will keep file settings.ini with its settings and folder AutoSave with auto-saved data.

<b>[Options]</b>	General settings
CurrLang=	Current interface language
MainWndX=	Main window location
MainWndY=	
MainWndCX=	
MainWndCY=	
MainWndMaximized=0	1: Main window is maximized
ShowStartTips=1	1: Show startup tips
CurrentTip=	Number of the current tip
URLTimeout=60	URL timeout
SlowTimeout=5	Slow link time
NumThreads=10	Number of the network connections
CharSet=<Auto-Detect>	Charset to decode HTML files
DefCharSet=US-Ascii	Default charset (when unable to auto-detect)
ThreadsPerServer=2	Maximal number of connections to the same server
AgentType=	User-agent type
AgentOS=	User-agent OS
HTTPVer=1	0: HTTP 1.0
	1: HTTP 1.1
CloseWhenDone=0	Close Fast Link Checker when done
DisconnWhenDone=0	Disconnect modem from Internet when done
ShutdownWhenDone=0	Shutdown Windows when done
UseProxy=0	1: Use proxy server

ProxyBypassLocal=0	1: Bypass proxy for local addresses
ProxyUseAuth=0	1: Proxy server uses authentication
ProxyUserName=	User name for proxy server authentication
ProxyPassword=	Password for proxy server authentication
HTTPProxyType=1	1: HTTP
	2: SOCKS5
HTTPProxyAddress=	Proxy server address for HTTP connection
HTTPProxyPort=	Proxy server port for HTTP connection
HTTPSProxyType=1	1: HTTP
	2: SOCKS5
HTTPSProxyAddress=	Proxy server address for HTTPS connection
HTTPSProxyPort=	Proxy server port for HTTPS connection
FTPProxyType=1	1: HTTP
FTPProxyAddress=	Proxy server address for FTP connection
FTPProxyPort=	Proxy server port for FTP connection
ExtApp=	File extensions for Application files
ExtAudio=	File extensions for Audio files
ExtHTML=	File extensions for HTML files
ExtImage=	File extensions for Image files
ExtText=	File extensions for Text files
ExtVideo=	File extensions for Video files
<b>[SiteDefault]</b>	Most recently used strings for URL combo

## Command line tool

Command Line:

```
conlinkchecker --Site URL [-CheckHyperlinks] [-CheckImages]
  [-CheckOthers] [-RecheckBad RecheckTimes]
  [-IgnoreRobotsTxt] [-CheckFirstOnly]
  [-CheckNoExtern] [-CheckIgnoreCase]
  [-CheckRestrict CheckLevel] [-CheckParent]
  [-SizeLimitAbove | -SizeLimitBelow] [-SkipSlowLinks]
  [-CheckOnly wildcards] [-Skip wildcards]
[--SiteFile file[.flc]]
[--Disp servername]
[--Cache]
[--Ini inifile.ini]
[--Verbosely]
[--PrintBroken]
[--UserAgent AgentName]
[--Report] [ html | text | htmlfull | textfull | htmlstat |
  textstat | csvstat] [-Attach] [filename/email
  [smtpserver:port [username [password]]]]
```

--Site

URL - The address of the site to check links on.  
 [-CheckHyperlinks] - Specify this option to check links to hypertext pages.  
 [-CheckImages] - Specify this option to check links to graphic objects.  
 [-CheckOthers] - Specify this option to check links to scripts, style sheets and other objects.  
 [-RecheckBad RecheckTimes] - Re-check links which are failed due to a system errors such as timeout, error reading file, socket errors, etc., which appeared on your local system, not on web-server.

`[-IgnoreRobotsTxt]` - Specify this option to let the program check links on pages forbidden to be indexed by robots in the robots.txt file.

`[-CheckFirstOnly]` - Specify this option to check links only on the page specified in the URL field.

`[-CheckNoExtern]` - Specify this option to ignore links to other sites and check only links within the current site.

`[-CheckIgnoreCase]` - Specify this option to make Fast Link Checker ignore the case of letters when comparing links.

`[-CheckRestrict CheckLevel]` - Specify this option to restrict the level of subfolders.

`[-CheckParent]` - Check entire site not depending on the start directory.

`[-SizeLimitAbove | -SizeLimitBelow]` Skip all files which size is greater or less than specified number of kilobytes.

`[-SkipSlowLinks]` - Skip checking all links marked as slow. Normally slow links are checked like all other links but when this option is set all slow links will be skipped.

`[-CheckOnly wildcards]` - Skip all files which do not meet the wildcards specified.

`[-SkipFiles wildcards]` - Skip all files which do not meet the wildcards specified.

`[--SiteFile file[.flc]]` - When link checking will be done Fast Link Checker will save results to the specified file.

`[--Disp ServerName]` - This name is to substitute instead of the actual site name.

`[--Cache]` - save cache of all downloaded files to the folder "`\Documents and settings\[User name]\Application Data\Fast Link Checker\Cache`", where [User name] is the user name you have logged into the system.

`[--Ini inifile.ini]` - You can specify the file with Fast Link Checker settings. If this option is not specified, the standard Fast Link Checker settings file will be used.

`[--Verbosely]` - Specify this option to view link checking progress verbosely.

`[--PrintBroken]` - Specify this option to view all found broken links verbosely.

`[--UserAgent AgentName]` - The name of the user agent the program will use when requesting files from a web server. Default value - "Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)".

`[--Report]` - Fast Link Checker can save report to a file or send it to email address. Multiple "`--Report`" statements may be specified.

`[ html | text | csv | htmlfull | textfull | csvfull | htmlstat | textstat ]` - Type of report  
 html - broken links in HTML format,  
 text - broken links in text format,

```

csv - broken links in csv format,
htmlfull - all links in HTML format,
textfull - all links in text format,
csvfull - all links in csv format,
htmlstat - statistics only in HTML format,
textstat - statistics only in text format,
csvstat - statistics only in csv format.
[-attach] - Send report as attachment (if [email] specified).
[filename/email] - Name of a file to save report in or email
address to send report to.
[smtpserver:port] - Name and port of SMTP server for the
specified email address.
[username] - User name for SMTP server, if it requires
authentication.
[password] - Password for SMTP server, if it requires
authentication.

```

## ***Troubleshooting***

### **Program skips some files while checking links**

Fast Link Checked checks the links in the files, whose type is defined in the **HTML** field of the **File Extensions** dialog box. For make Fast Link Checked to check links in the files which it skips, just add their extensions to the **HTML** field of the **File Extensions** dialog box and then program will not skip these files.

### **Program does not check external links**

Please make sure that option **Do not check external links** is not checked. This option prohibits checking the external links.

### **Program does not checks Gopher, News and mailto: links**

Fast Link Checker supports only the following protocols for accessing files: HTTP, HTTPS, FTP and FILE. Links to resources, available by other protocols are ignored.

### **Program does not check links on a page, which is not linked to from other pages**

Fast Link Checker works like a robot of a search engine. You specify the file to start checking from and Fast Link Checker goes through all pages this file has links to until it checks all links on the site. Thus, if it does not find a link to some page, it will not know about its existence and will not check links in it.

So, to check links on this page you should specify its address directly in the **URL** field and start link checking.