Know-It™ WebTrak™ v1.2 Guide

Introduction

WebTrak provides basic HTTPD log analysis and reporting. WebTrak reads any given CERN formatted log (Common Log File Format (NCSA)) from a text file and produces a report in HTML format suitable for viewing with your Web browser. WebTrak produces statistical report and bar graphs in HTML.

FEATURES:
> 1) Reads CERN formatted HTTPD log files.
> 2) Produces HTML formatted reports and graphs for:
>> . Top Users
>> . Activity by Date
>> . Top Pages accessed
>> . Top Directories accessed
>> . Activity by nation
>> . Hourly Activity Report

> 3) Reports include numeric and graphical (bar chart) representation.
> 4) Easy to install and use, WebTrak is made to be run in batch mode with parameters defined in a easy to edit text file.
> 5) Administrators my specify up 100 address exclusions, including 'wildcard' specifications, Input file name, output file name, file type exclusions, and may specify whether to perform IP address/name conversion or not.   Administrators may also exclude file types (.gif, .jpg, etc..) from the Top Page report.
> 6) IP address/name conversions are cached thereby decreasing reporting time required. This cache is saved in a file which is preloaded for the next reporting run, so subsequent report production times are dramatically decreased.

Section 1 - Installation and Setup

There are seven steps to successfully setting up a reporting system using the WebTrak software. These steps are:

1) Install WebTrak Kit.
2) Edit the WebTrak parameters file.
3) Setup the WebTrak executable to run manually or automatically.

Step 1 - Install WebTrak kit:

Initially download the latest version of the WebTrak installation kit from the Know-It Internet Web site. The kit should be called 'KIWT_KIT.EXE' and is a self-installing archive. Execute the kit file start the installation process. You can execute the kit file by typing it's name in the command line of a DOS window, or double-clicking it from the file-manager, or using the RUN option from the file-manager or Explorer.

Before running KIWT_KIT.EXE, exit any programs that may interfere with the installation of this product. Upon executing KIWT_KIT.EXE, you will need to provide the following information to the screens when prompted:

A target directory for placing the executable files. A separate directory just for the WebTrak executables may be created if desired, but is not necessary, as WebTrak contains a complete uninstall utility should the need ever arise to remove the WebTrak system. There is one 32 bit executable program and a parameter file (WTPARAM.DAT) that are placed in this directory. After the initial run of the WebTrak program, a third file will be created which is called WTIPNAME.DAT which serves as the IP address-to-name cache file between runs.

A target directory for placing the provided HTML file. The WebTrak kit provides a single file called HSTB.GIF which is required to be accessible to the browser that is used to view the HTML output report file. The report file assumes that the .GIF file is available at the top level of the server.

After entering the appropriate information, the files are copied from the kit to the target directories.

STEP 2 - Editing the parameter file:

The parameter file (WTPARAM.DAT) may be easily edited to adjust the report requirements as desired. Parameters are set using commands placed on individual lines in the file. The file can be edited with any text editor, but must be saved as a text file (i.e.

not in a word processor format). When editing the file, lines beginning with ';' (or blank lines), are comments.

Commands are:

EXCLUDE_ADDR   - (any part of an IP address(es) to skip
                          example: 123.123.123 will skip all log records that have
                          an IP address <u>beginning</u> with 123.123.123
                          (such as 123.123.123.7). If your server pre-translates
                          addresses, so that you have names instead of numbers
                          in your log file, you can enter names to exclude also.
                          (such as FRED.ABC.COM).
LOOKUP   - (Y or N) turns on or off IP address to name lookup
                          (if you don't care about the names, reporting is faster off)
                          You can also set the flag to 'X' which means only use the
                          existing IP name table (no new lookups). This is useful if
                          you want to rerun a report quickly. The default is 'Y'.
INFILE   - designate the log file to be read. If not present program
                          will ask at runtime.
OUTFILE   - designate the HTML file to be created. If not present
                          program will ask at runtime.
DEBUG   - 'N'(default), 'Y' show IP address lookup activity
TITLE   - The title you want placed at the top of the report
LICENSE   - The license for your site. If not valid, will only
                          process 1000 log records - good for testing. A license
                          should be obtained from Know-It.
TIMEOUT   - Number of seconds to perform a DNS lookup of an IP address
                          if LOOKUP is on.
EXCLUDE_TYPE - Exclude certain file types from the top page report. Typical
                          files to exclude are .gif, .jpg, etc..   Be sure to include the
                          dot ('.').
HOFFSET   - Allows designation of an offset amount from the time in the log
                          file to the actual local time. Value may be positive or
                          negative.
NOSHOW   - No parameters required. This turns off the report at the end of
                          input parameters if desired.
MAXUSERS - Designate the size of the Top Users report. (10 - 9999)
MAXPAGES - Designate the size of the Top Pages report. (10 - 9999)
MAXDIRS - Designate the size of the Top Directoriess report. (10 - 500)
MAXNATIONS - Designate the size of the Top Nations report. (10 - 500)
ADJWIDTH   - Adjust width of bar graphs relative size. Width Factor starts at
                          400. You can use this parameter to adjust the size by
                          setting it from -350 to 350.   Using the line
                          ADJWIDTH=-100 for example would decrease the width
                          of
                          the bar graphs by about 25 %. (that's a minus 100).

ROBOTS=RPT - causes the Top Users report to indicate if a user is a Web Spider.

Here is an example file:
EXCLUDE_ADDR=123.456
LICENSE=0000000000
INFILE=C:\HTTPD\LOGS\ACCESS.LOG
OUTFILE=C:\HTTPD\HTML\WEB_RPT.HTM
TITLE=My Company's WebTrak Report
TIMEOUT=15
EXCLUDE_TYPE=.gif
HOFFSET=-5
NOSHOW
LOOKUP=Y
MAXUSERS=30
ROBOTS=RPT

STEP 3 - Setup to run manually or automatically:

Produce a report by running the program, the KIWT.EXE . This can be accomplished by executing the KIWT.EXE file, that is typing it's name in the command line of a DOS window, or double-clicking it from the file-manager, or using the RUN option from the file-manager or Explorer. It is likely that this process will be automated by having the program invoked using a scheduling tool such as AT under Windows NT, or the System Agent under Windows95. No parameters need be given to the program at runtime since all can be defined in the parameters file. However, if the input file or output file are not designated in the parameters file, they will be asked for at runtime.

NOTE: The first time the program is run, if the input log file is large and contains many diverse IP addresses, it will take quite awhile to complete due to the time required to lookup each new IP address. These 'name server' lookups will be saved for subsequent runs, and only incrementally new addresses requested from the name server. Typically, new addresses represent only a small percentage of subsequent runs. To produce quicker results, the LOOKUP option may be turned off (see STEP 2 above) if the name of the sites is not required.

Section II - Maintenance

No maintenance is required by the WebTrak software. The WTIPNAME.DAT file may be edited if desired to delete entries for addresses that have changed, or if the editor wishes to change the name reported for a particular address. It might be desired for example to change an machine name (such as machine12.company.com) to a particular user's name (such as John Smith). The file can be edited with any text editor, but must be saved as a text file (i.e. not in a word processor format), and the format of the file (comma delimited) should be maintained.

Additional features are planned for version 2.0 of WebTrak including file type exclusion, and additional reports and graphs. Also the ability to switch off and on certain reports will be available. If you desire these options or others please send an Email to KI_TEAM@KNOW-IT.COM with the details of your request. Please also state if you would be willing to be a beta site for an upcoming release.

Ordering Information:

To receive a registration key for WebTrak, please send the network name of the system on which you will be running WebTrak, plus the registration fee ($49 commercial, $39 non-profit groups (in US$ via check or money order) *****), to

Know-It / WebTrak Registration
14651 Dallas Parkway
Suite 404
Addison, TX 75240

Upon receipt, we will return your registration key which you can enter into the WTPARAMS.DAT file to allow processing of unlimited records. The network name of your system, can be observed in the first few lines of the screen output of WebTrak when it is invoked. The line says "running on:" and the the network name of your system. For a WindowsNT system, it is usually one word (e.g. 'myserver'), but for a Windows95 system, it is the complete network name (e.g. 'myserver.xyz.com').

* Always check the Know-It Web Site for the latest information, prices and releases at:

http://know-it.com