



- \* WhoIS links,
  - \* A lot of options/filters and plugins can be used,
  - \* Multi-named web sites supported (virtual servers, great for web-hosting providers),
  - \* Cross Site Scripting Attacks protection,
  - \* Several languages. See [AWStats F.A.Q.](#) for full list.
-

## Upgrading AWStats to a new version

Check your Perlw versiosis at least 50.05\_03 (or higher)

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## Install, Setup and Use AWSStats

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*<http://www.from.com/from.htm>*

**\* Step 0-2:**

Copy the contents of the provided cgi-bin folder from your hard drive to your server's cgi-bin directory (this includes **awsn-bin**, **awsn-binmodel.conf**, and the **lang**, **lib** and **plugins** sub-directories).

**\* Step 0-3:**

Move AWSn-bi **icon sub-directories** and its content into a directory readable by your web server, for example C:\yourwwwroot\icon.

**\* Step 0-4:**

Create a config file by copying **awsn-binmodel.conf** file into a new file named **awsn-binmyvirtualhostname.conf**. You can use the value of your choice instead of "myvirtualhostname". This new file must be stored in

- Same directory than awsn-bin (so cgi-bin)

**\* Step 0-5:**

Edit this new config file with your own setup :

- Change

---

With data in log file "/pathtoyourlog/yourlog.log"...

Phase 1 : First bypass old records, searching new record...

Searching new records from beginning of log file...

Phase 2 : Now process new records (Flush history on disk after 20000 hosts)...

Jumped lines in file: 0

Parsed lines in file: 225730

Found 122 dropped records,

Found 87 corrupted records,

Found 0 old records,

Found 225521 new qualified records.

**Dropped records** are records discarded because they were not user HTTP request or requests were not qualified by AWStats filters (See [SkipHosts](#), [SkipUserAgents](#), [SkipFiles](#), [OnlyHosts](#), [OnlyUserAgents](#) and [OnlyFiles](#) parameters). If you want to see which lines were dropped, you can add the **–showdropped** option on command line.

**Corrupted records** are records that does not match log format defined by "LogFormat" parameter in AWStats config/domain file. With all webservers you can experience a little bit corrupted records ( If all your lines are corrupted and [LogFormat](#) parameter in AWStats config/domain file is correct, it may be the log format setup in your web server that is wrong. Don't forget that your [LogFormat](#) parameter in AWStats config/domain file MUST match the log file format you analyze.

If you want to see which lines are corrupted, you can add the **–showcorrupted** option on command line.

**Old records** are simply records that were already processed by a previous update process. You understood that it's not necessary to purge your log file after each update process even if it's highly recommended. For instance, it is possible that records are recorded.

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PLUGINS

- [LoadPlugin](#)

EXTRA

- [ExtraSectionNameX](#)
- [ExtraSectionCodeFilterX](#)
- [ExtraSectionConditionX](#)
- [ExtraSectionFirstColumnTitleX](#)
- [ExtraSectionFirstColumnValuesX](#)
- [ExtraSectionFirstColumnFormatX](#)
- [ExtraSectionStatTypesX](#)
- [ExtraSectionAddAverageRowX](#)
- [ExtraSectionAddSumRowX](#)
- [MaxNbOfExtraX](#)
- [MinHitExtraX](#)
- [ExtraTrackedRowsLimit](#)

INCLUDES

- [Include](#)

# Example: "C:/WINNT/system32/LogFiles/W3SVC1/ex%YY-24%MM-24%DD-24.log"

---

---

# %uaquot User agent with format: "Mozilla/4.0 (compatible, ...)"

---

---



#

```
# Enter here all other possible domain names, addresses or virtual host
# aliases someone can use to access your site. Try to keep only the minimum
# number of possible names/addresses to have the best performances.
# You can repeat the "SiteDomain" value in this list.
5[\.myher po\. (net|org)$]: "domain.com"
```

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## **EnableLockForUpdate**

**Version : 5.0+**

# When the update process run, AWStats can set a lock file in TEMP or TMP  
# directory. This lock is to avoid to have 2 update processes running at the  
# same time to prevent unknown conflicts problems and avoid DoS attacks when

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SkipDNSLookupFor=""

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**AllowAccessFromWebToAuthenticatedUsersOnly**

**Version :** 4.0+

**# Possible values:** 0 or 1

# The following two parameters allow you to protect a config file from being  
# read by AWStats when called from a browser if web user has not been  
# authenticated. Your AWStats program must be in a web protected "realm" (With  
# Apache, you can use .htaccess files to do so. With other web servers, see  
# your server setup manual).  
# Change : Effective immediatly  
# Possible values: 0 or 1  
# Default: 0  
#  
AllowAccessFromWebToAuthenticatedUsersOnly=0

---

**AllowAccessFromWebToFstpnfctidomain/+**

**# Possible values:** 0 or 1

# You can choose in which format the Awstats history database is saved.  
# Note: Using "xml" format make AWStats building database filestor2 7xesed.

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# Do not include access from clients with a user agent that match following  
# criteria. If you want to exclude a robot, you should update the robots.pm  
# file instead of this parameter.  
# The opposite parameter of "SkipUserAgents" is "OnlyUserAgents".  
# Note: Use space between each value. This parameter is not case sensitive.  
# Note: You can use regular expression values writing value with REGEX[value].  
# Change : Effective for newer. 1.0+ (5.6+e : Eg val syntax)er.  
# The oppositeTdara of "SkipUTdara is "OnlyUserAgents".  
# Note: Use space between each value.hangThis parameter iss "OnlyUserAgendependt thaVeue]ts"C paSmeter isile instead of th  
# Note: You can use regular expression values writing value with REGEX[value].  
# Change : Effective for newer. 1.0+ (5.6+e : Eg val syntax)er.

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## # Change : Effective for new updates only

## # Example: "msie"

```
# Default: ""
```

#

## OnlyUserAgents=""

## OnlyFiles

**Version : 3.0+ (5.6+ for REGEX syntax)**

```
# Include in stats, only accesses to URLs that match one of following entries.
```

# For example, if you want AWStats to filter access to keep only stats that

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# Some web servers on some Operating systems (IIS–Windows) considers that a  
# login with same value but different case are the same login. To tell AWStats  
# to also considers them as one, set this parameter to 1.  
# Possible values: 0 or 1  
# Default: 0  
#  
AuthenticatedUsersNotCaseSensitive=0

---

### **URLNotCaseSensitive**

**Version : 5.1+**

# Some web servers on some Operating systems (IIS–Windows) considers that two  
# URLs with same value but different case are the same URL. To tell AWStats to  
# also considers them as one, set this parameter to 1.  
# Possible values: 0 or 1  
# Default: 0  
#  
URLNotCaseSensitive=0

---

### **URLWithAnchor**

**Version : 5.4+**

# Keep or remove the anchor string you can find in some URLs.  
# Possible values: 0 or 1  
# Default: 0  
#  
URLWithAnchor=0

---

### **URLQuerySeparators**

**Version : 5.2+**

# In URL links, "?" char is used to add parameter's list in URLs. Syntax is:  
# /mypage.html?param1=value1  
# However, some servers/sites have also others chars to isolate dynamic part of  
# their URLs. You can complete this list with all such characters.  
# Example: "?;,"  
# Default: "?;,"  
#  
URLQuerySeparators="?;,"

---

### **URLWithQuery**

**Version : 3.2+**

# Keep or remove the query string to the URL in the statistics for individual  
# pages. This is primarily used to differentiate between the URLs of dynamic  
# pages. If set to 1, mypage.html?id=x and mypage.html?id=y are counted as two  
# different pages.  
# Warning, when set to 1, memory required to run AWStats is dramatically  
# increased if you have a lot of changing URLs (for example URLs with a random  
# id inside). Such web sites should not set this option to 1 or use seriously  
# the next parameter URLWithQueryWithoutFollowingParameters.  
# Possible values:  
# 0 – URLs are cleaned from the query string (ie: "/mypage.html")  
# 1 – Full URL with query string is used (ie: "/mypage.html?p=x")  
# Default: 0  
#

URLWithQuery=0

## URLWithQueryWithOnlyFollowingParameters

**Version : 6.0+**

# When URLWithQuery is on, you will get the full URL with all parameters in  
# URL reports. But among those parameters, sometimes you don't need a

## URouthQueryWithOnlyFollowingParameters

6.0+

# When URLWithQuery is on, you will get the full URL with all parameters in  
# URL reports. But among those parameters, sometimes you don't need a

U

**Version : 1.0+**

```
# AWStats can detect setup problems or show you important informations to have
# a better use. Keep this to 1, except if AWStats says you can change it.
# Possible values: 0 or 1
# Default: 1
#
WarningMessages=1
```

## ErrorMessage

**Version : 5.2+**

```
# When an error occurs, AWStats output a message related to errors. If you
```

```
# Default:""1
#
ErrorMessage=""1
Version : 5.2+
```

```
# AWSta# wanbge un withn dbug=xs tparammeer uooutputvarioust information1
```





**Version : 4.0+**

```
# To avoid too large web pages, you can ask AWStats to limit number of rows of
# all reported charts to this number when no other limit apply.
# Default: 1000
#
MaxRowsInHTMLOutput=1000
```

**Lang**

**Version : 2.1+**

```
# Set your primary language.
# Possible value:
# Albanian=al, Bosnian=ba, Bulgarian=bg,
# Chinese (Taiwan)=tw, Chinese (Simplified)=cn, Czech=cz,
# Danish=dk, Dutch=nl, English=en, Estonian=et, Finnish=fi, French=fr,
# German=de, Greek=gr, Hebrew=he, Hungarian=hu, Indonesian=id, Italian=it,

# NorwegiandkBokmald)nb,# Pglshpl,# Prtugunesept,# PrtugunesndkBrazialiad)bfr,
#Rombanianro, Rusesianrhu, Serbsianskr, Slovak=sdk, SpDanishges,
```





# Default: 1, Possible column codes: None  
ShowKeywordsStats=1

# Show misc chart  
# Context: Web, Streaming  
# Default: a (See also MiscTrackerUrl parameter), Possible column codes: anjdfreqwp  
ShowMiscStats=a

# Show http errors chart  
# Context: Web, Streaming  
# Default: 1, Possible column codes: None  
ShowHTTPErrorsStats=1

# Show smtp errors chart (For use when analyzing mail log files)  
# Context: Mail  
# Default: 0, Possible column codes: None  
ShowSMTPErrorsStats=0

# Show the cluster report (Your LogFormat must contains the %cluster tag)  
# Context: Web, Streaming, Ftp  
# Default: 0, Possible column codes: PHB  
ShowClusterStats=0

---

# Stats by domains  
MaxNbOfDomain = 10

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## **Example 2: Tracking Bugzilla most frequently viewed bugs**

*This is an example on how to setup your ExtraSection:*

```
ExtraSectionName1="Bugzilla: Most frequently viewed bugs"
ExtraSectionCodeFilter1="200 304"
ExtraSectionCondition1="URL,VbugzillaVshow_bug.cgi"
ExtraSectionFirstColumnTitle1="Bug ID"
ExtraSectionFirstColumnValues1="QUERY_STRING,id=([^\n
ExtraSectionFirstColumnFormat1="<a href='/bugzilla/show_bug.cgi?id=%s' target=new>%s</a>"
ExtraSectionStatTypes1=PL
ExtraSectionAddAverageRow1=0
ExtraSectionAddSumRow1=1
MaxNbOfExtra1=500
MinHitExtra1=1
```

## **Example 3: Tracking Exit clicks**

*AWStats shows you naturally the exit pages. However, you don't know where you visitor go after exiting your site since*

---

```
ExtraSectionFirstColumnTitle1="URL"
ExtraSectionFirstColumnValues1="URL,(.*)"
ExtraSectionStatTypes1=PHK
MaxNbOfExtra1=100
MinHitExtra1=1
```

**Example 5: Tracking most requested domain aliases**

*You have one website, but this web site has several domains named (for example the same site domain.com can be reached with urls domain.com,www.domain.com,www.otherdomainname.com,www.againadomainname.org,...). You want to know which domain alias is the most used.*

*The first thing to do is to be sure the domain alias is recorded inside your log file. If you use Apache, you must use a personalized Apache log file that contains the %V tag. For example you can add in your Apache httpd.conf file a new Apache log format (This is the Apache directive, not AWStats, to define an Apache log format that contains the virtual domain):*


		08 August 2004 – 11:56
<b>Total</b>	1883986	

## **Example 6: List of top level 2 path under a directory /mydir**

*So this is how you need to setup your ExtraSection to add a chart for a such tracking:*

```
ExtraSectionName1="List of top level 2 path under /mydir"
ExtraSectionCodeFilter1="200 304"
ExtraSectionCondition1="URL,^VmydirV.*"
ExtraSectionFirstColumnTitle1="Directory name"
ExtraSectionFirstColumnValues1="URL,^VmydirV([\w]+)V"
ExtraSectionStatTypes1=PHK
MaxNbOfExtra1=50
MinHitExtra1=1
```

*There is a lot of other possible use for Extra Sections ...*

**The following explanation is same than the one found in AWStats config file:**

```
#-----
# EXTRA SECTIONS
#-----
# You can define your own charts, you choose here what are rows and columns
# keys. This feature is particularly usefull for marketing purpose, tracking
# products orders for example.
# For this, edit all parameters of Extra section. Each set of parameter is a
```

*# ExtraSectionAddSumRowX add a row at bottom of chart with sum values.*

*# MaxNbOfExtraX is maximum number of rows shown in chart.*

*# MinHitExtraX is minimum number of hits required to be shown in chart.*

*Warning: the ExtraSectionConditionX MUST use regex values since AWStats 6.0.*

*ExtraSectionFirstColumnValuesX also need REGEX value for all AWStats versions.*

*Return to [examples](#) for examples on syntax use.*

---



```
# Country chart is built from an Internet IP–Country database.
# This plugin is useless for intranet only log files.
# Note: You must choose between using this plugin (need Perl Geo::IP module
# from Maxmind, database more up to date) or the GeoIPfree plugin (need
# Perl Geo::IPfree module, database less up to date).
# This plugin reduces AWStats speed of 8% !
#
#LoadPlugin="geoip GEOIP_STANDARD"
Plugin provided with AWStats (5.2+).
You can find Geo::IP Perl Module from Maxmind.
Plugins for Maxmind GeoIP Region, GeoIP City, GeoIP ISP and GeoIP Organization are also available (but databases are
not free).

# Plugin: GeoIPfree
# Perl modules required: Geo::IPfree version 0.2+ (from Graciliano M.P.)
# Country chart is built from an Internet IP–Country database.
# This plugin is useless for intranet only log files.
```

# Plugin: UrlAliases  
# Perl modules required: None  
# Add a text (Page title, description...) in URL reports before URL value.  
# A text file called urlalias.myconfig.txt, with two fields (first is URL,  
# second is text to show, separated by a tab char) must be created in DirData  
# directory.  
Plugin provided with AWStats (5.2+)  
You can build your urlalias file manually or use [urlaliasbuilder.pl](#) tool (provided with 5.4+)

# Plugin: TimeHiRes  
# Perl modules required: Time::HiRes  
# Time reported by --showsteps option is in millisecond. For debug purpose.  
Plugin provided with AWStats (5.1+)

# Plugin: TimeZone  
# Perl modules required: Time::Local  
# Allow AWStats to correct a bad timezone for user of some IIS that use  
# GMT date in its log instead of local server time.  
# This module is useless for Apache and most IIS version.  
# This plugin reduces AWStats speed of 40% !!!!!!!  
Plugin provided with AWStats (5.1+)

# Plugin: Rawlog  
# Perl modules required: None  
# This plugin adds a form in AWStats main page to allow users to see raw  
# content of current log files. A filter is also available.  
Plugin provided with AWStats (5.7+)

# Plugin: GraphApplet  
# Perl modules required: None  
# Supported charts are built by a 3D graphic applet.  
#  
#LoadPlugin="graphapplet" # EXPERIMENTAL FEATURE  
Plugin provided with AWStats (6.0+)

**List of other plugins** (Plugins are free but need a not free thirtdatsBextwork5.7+)

# PlugieolP\_Regver\_Maxmindplet  
# Perl modules requirio::IPeldsrom Maxmind5.2+)  
# This pluginot r prl modu in iltregverfilOnlltregverfless USache2+)You ce Fotcoredsion.

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There is also commercial products you can find doing a search on 'log file analyzer' with [Google](#).

### **Documents on AWStats or related to log analysis**

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AWStats official documentation for last version can be found here: [HTML On line](#) or [PDF file](#)

An intro and install doc 'Using AWStats on GNU/Linux or Windows' in [Chinese](#)

A setup tutorial in [Danish](#)

A setup tutorial in [French from Funix: How to install AWStats and Webalizer](#)

A setup tutorial in [French from Fpoeserv](#)

A setup tutorial for debian users with a logrotate tool in [German](#)

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## Other utilities

This is a list of other tools provided with AWStats.  
All those tools are available in **tools** directory of AWStats distribution.

### awstats\_updateall.pl

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## **logresolvemerge.pl**

logresolvemerge allows you to merge several log files into one output, sorted on date. It also makes a fast reverse DNS lookup to replace all IP addresses into hostnames to simplify log files.

logresolvemerge comes with ABSOLUTELY NO WARRANTY. It is provided as is, without any warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The user assumes all responsibility for any damage or loss resulting from the use of this software.

## maillogconvert.pl

maillogconvert is mail log preprocessor that convert a mail log file (from postfix, sendmail or qmail servers) into a human readable format. The output format is also ready to be used by a log analyzer, like AWStats.

Usage:

```
perl maillogconvert.pl [standard|vadmin] [year] < logfile > output
```

The first parameter specifies what format the mail logfile is :

standard – logfile is standard postfix,sendmail,qmail or mdaemon log format

vadmin – logfile is qmail log format with vadmin multi-host support

The second parameter specifies what year to timestamp logfile with, if current year is not the correct one (ie. 2002). Always use 4 digits. If not specified, current year is used.

If no output is specified, it goes to the console (stdout).

For example, the following sample from postfix mail log server:

```
# 1 Mail from user@aol.com -> touser@toserver.com, forward touser@toserver.com -> touser@mainserver.com
```

```
Jan 01 07:27:31 apollon postfix/smtpd[1684]: connect from remt30.cluster1.charter.net[209.225.8.40]
```

```
Jan 01 07:27:32 apollon postfix/smtpd[1684]: 2BC793B8A4: client=; 0 -11 >upster7.charter.net[20minut f-id=postfix/smtpd[1684]
```

---

Urlaliasbuilder generates an 'urlalias' file from an input file.

The input file must contain a list of URLs (It can be an AWStats history file).

For each of those URLs, the script gets the corresponding HTML page and catches the header information (title), then it writes an output file that contains one line for each URL and several fields:

- The first field is the URL,

- The second (the output file web HTML file) - it is HTML content of the web server to the HTML file file.)Tj 0 -1Whe 2.opforms

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## AWStats Webmin module

This page is designed to help you install and configure the 's Webmin' module. It is located at <http://www.webmin.com/AWStatsWebminModule.html>.

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web site into its favourite bookmarks.

The technical rules for that is the following formula:

*Number of Add to Favourites* = *round((x+y) / r)*

where

x = Number of hits made by IE browsers for "/anydir/favicon.ico", with a referer field not defined, and with no 404 error code

y = Number of hits made by IE browsers for "/favicon.ico", with a referer field not defined, with or without 404 error code

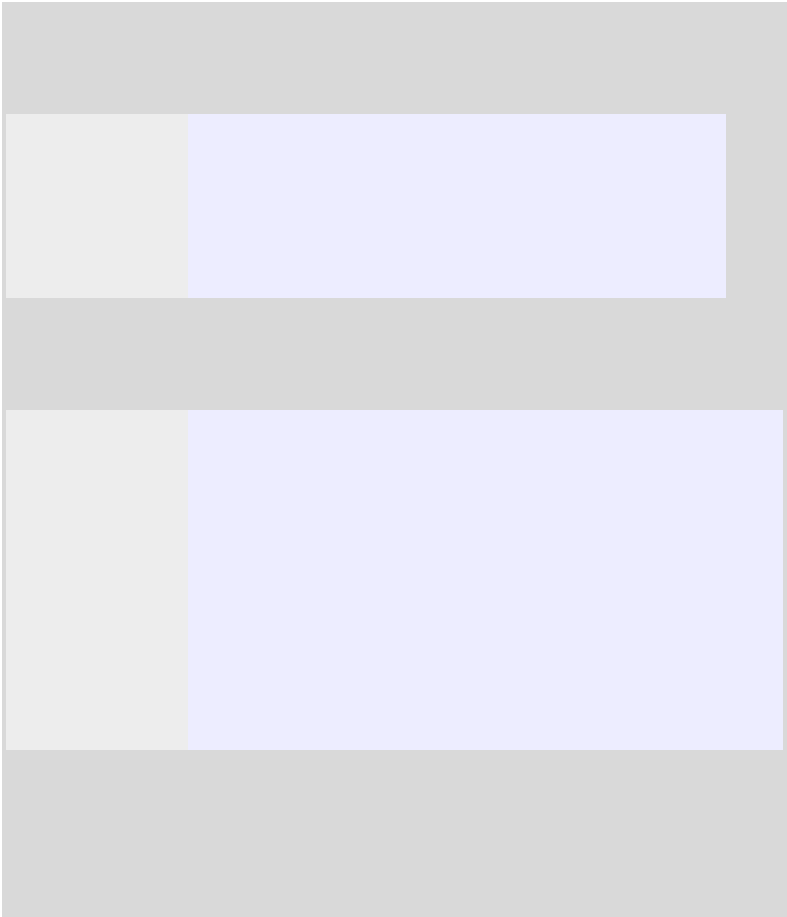
r = Ratio of hits made by IE browsers compared to hits made by all browsers (r <= 1)

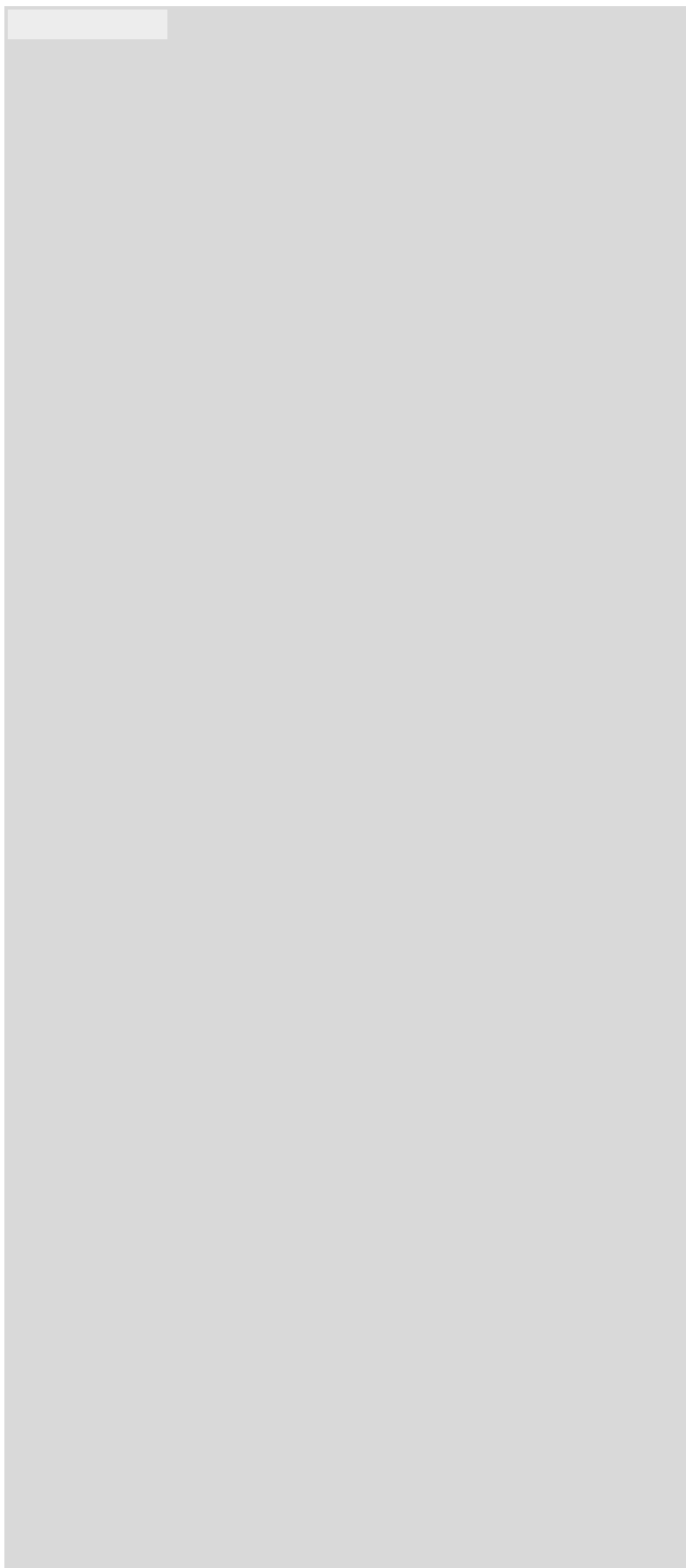
As you can see in formula, only IE is used to count reliable "add", the "Add to favourites" for other browsers are estimated using ratio of other browsers usage compared to ratio of IE usage. The reason is that only IE do a hit on favicon.ico ONLY when a user add the page to its favourites. The other browsers make hits on this file also for other reasons so we can't count one "hit" as one "add" since it might be a hit for another reason.

AWStats differentiate also hits with error and not to avoid counting multiple hits made recursively in upper path when favicon.ico file is not found in deeper directory of path.

---

**HTTP Status Codes:**





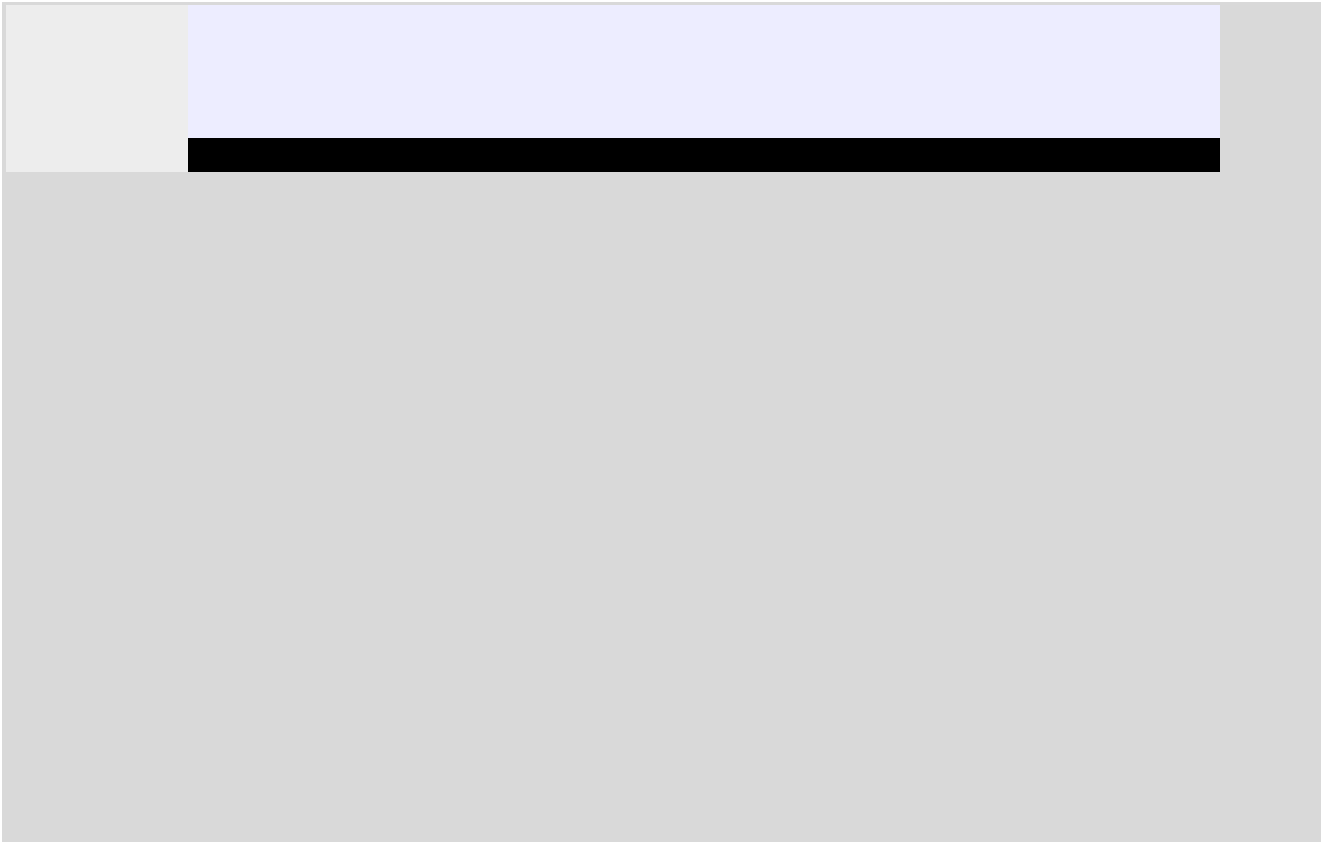
---

**SMTP Status Codes:**

SMTP status codes are returned by mail servers to indicate the status of a sending/receiving mail. The status code depends on mail server and preprocessor used to analyze log file.

All codes that are failure codes are isolated by AWStats in the SMTP Status report chart, enabled by the directives [ShowSMTPErrorsStats](#)









[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

syntax rules.

\*\*\*\* Most log analyzers have poor (or not at all) robots, search engines, os or browsers detection capabilities and less features (no or poor visits count, no filter rules, etc...).

It is not possible to add all AWStats features to otc es, os osdd al don't forget th nobenchmarks0 2sulAWSa 2.0or 'different less

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TransferLog none
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```
ShowKeywordsStats=0
ShowMiscStats=0
ShowHTTPErrorsStats=1
ShowSMTPErrorsStats=0
```

Now you can use AWStats as usual (run the update process and read statistics).

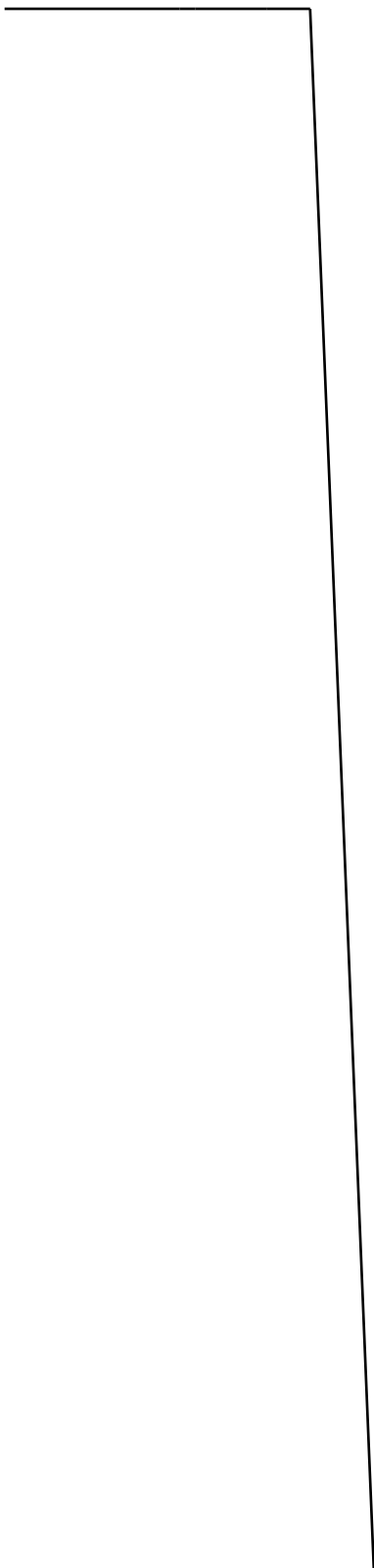
#### For Windows Media Server / Darwin Streaming Server

1– If your Windows Media / Darwin streaming Server version allows it, setup your log format to write the following fields:

```
c-ip
date
time
cs-uri-stem
c-starttime
x-duration
c-rate
c-status
c-playerid
c-playerversion
c-playerlanguage
```



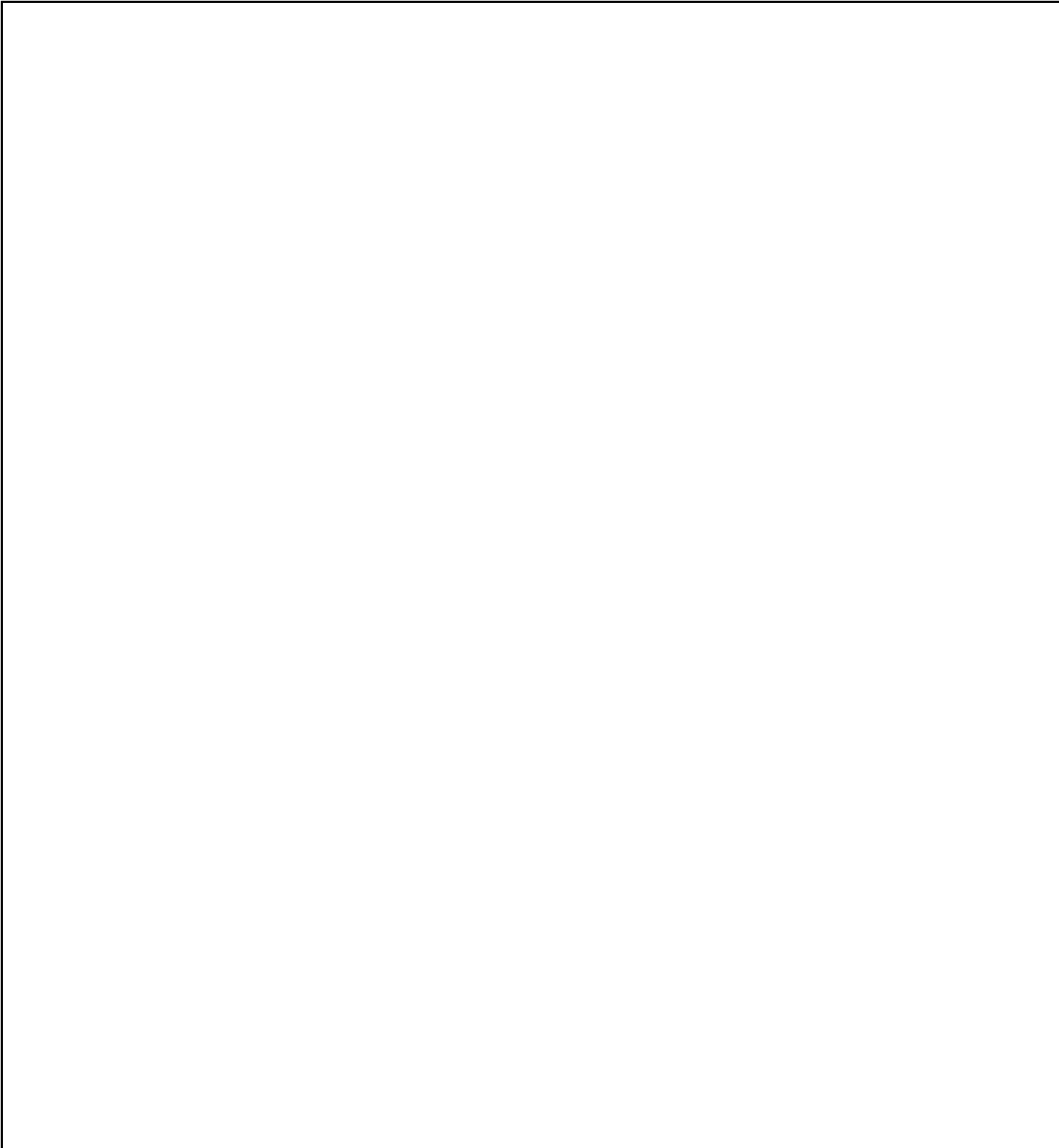


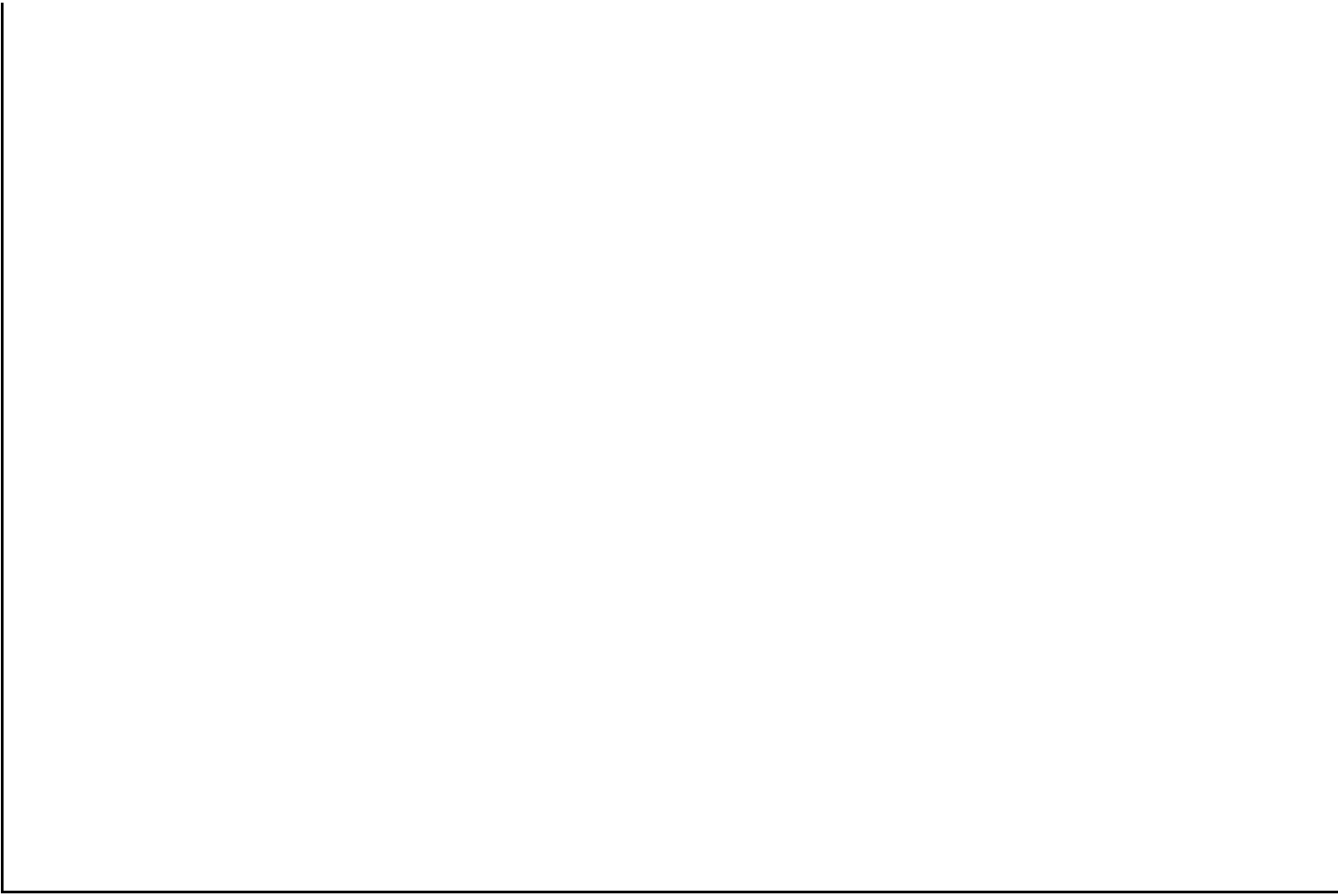


---

---

---





---

---

---

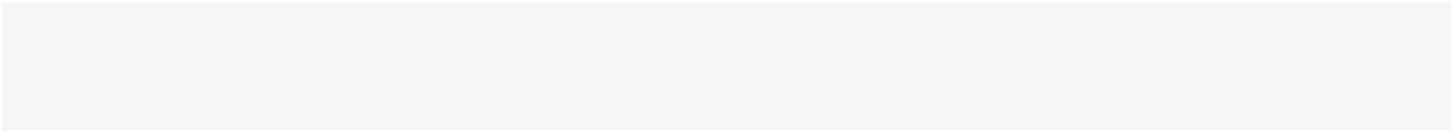
---

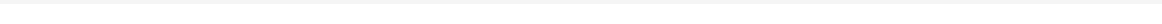
---

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signatures. Some values are discarded if not required and this is a good thing to know. For example, if you have a config file with a signature like `signature: "P5EX[^\n]*"` and you have a config file with a signature like `signature: "P5EX[^\n]*"`, you can modify the `signature` field in the config file to add a new signature.

---

## AWStats License / Copyright

AWStats is distributed under the [GNU General Public License \(GPL\)](#).

So you must follow the line "Free software – Copylefted – GPL" to know what are major license agreements with AWStats.

---



AWStats – Ver: 6.4  
Written by: [Laurent Destailleur](#)  
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Montigny-le-Bretonneux, Yvelines 78180  
FRANCE

Screen Shot  
ASP Member=

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