

Install AWStats logfile analyzer

Installation

```
apt-get install awstats
```

Basic configuration

AWStats configuration

```
cp /etc/awstats/awstats.conf /etc/awstats/awstats.www.mydomain.com.conf
```

Edit the following lines in the file:

```
LogFile="/path/to/your/domain/access.log"  
LogFormat=1  
SiteDomain="www.mydomain.com"  
HostAliases="www.mydomain.com localhost 127.0.0.1"
```

Apache2 configuration

Create the file `/etc/apache2/conf.d/awstats` with the following content. Files in this subdirectory are automatically included by the apache2 configuration file:

```
Alias /awstatsclasses "/usr/share/awstats/lib/"  
Alias /awstats-icon/ "/usr/share/awstats/icon/"  
Alias /awstatscss "/usr/share/doc/awstats/examples/css"  
ScriptAlias /cgi-bin/ /usr/lib/cgi-bin/  
ScriptAlias /awstats/ /usr/lib/cgi-bin/  
Options ExecCGI -MultiViews +SymLinksIfOwnerMatch
```

You need to reload Apache to activate the Alias definitions.

Initial statistics

Once you've made these changes you'll want to build your initial statistics, which will be generated from the current logs on your machine:

```
/usr/lib/cgi-bin/awstats.pl -config=www.mydomain.com -update
```

Check your statistics at <http://www.mydomain.com/awstats/awstats.pl>

Automatic update of the stats

Edit the crontab file:

```
crontab -e
```

To update the stats every 15 minutes, enter the following cron job:

```
01,16,31,46 * * * * perl /usr/lib/cgi-bin/awstats.pl -  
config=www.mydomain.com -update
```

This updates the stats file `/var/lib/awstats/awstats012009.www.mydomain.com.txt`. Note that the first call might take quite some time depending on how large the log file is, whereas frequent following calls take very short time as the already processed information is skipped.

The stats file contains all the information which is displayed in the web frontend. If you enable a plugin, remember that already processed information is not affected by the plugin. To parse the whole logfile with the active plugin you need to delete the stats file first and generate a new one.

Extended configuration

Add U(sers) and V(isits) to the country statistics:

```
ShowDomainsStats=UVPHB
```

Plugin configuration

GeoIP country lookup

```
apt-get install libgeo-ip-perl
```

Use the `-N` option to only download if the file has been updated:

```
wget -N -q  
http://geolite.maxmind.com/download/geoip/database/GeoLiteCountry/GeoIP.dat.  
gz  
gunzip GeoIP.dat.gz
```

Edit the following lines in `/etc/awstats/awstats.www.mydomain.com.conf`:

```
# disable DNS lookup  
DNSLookup=0  
# enable GeoIP, path is relative to root of webserver (not document root!)  
LoadPlugin="geoip GEOIP_STANDARD /path/to/GeoIP.dat"
```

Delete the stats file `/var/lib/awstats/awstats012009.www.mydomain.com.txt` to force a rebuild of the stats with the additional information of the plugin.

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