

Google Affiliate Network Plugin User Manual

Robert Heller

June 20, 2011

Contents

Introduction	1
Installation	2
Configuring	2
Managing your ad database	2
Inserting Ads	3
Add new admin page (manual insertion)	3
Add new bulk admin page (bulk insertion)	4
Editing Ads	5
Ad Subscriptions	5
Showing Ads	5
GAN Widget	5
GAN Image Widget	6
GAN_Text shortcode	7
GAN_Image shortcode	8
Using the ad unit insertion media button	8
Statistics	9

Introduction

I wrote this plugin to display ads from the Google Affiliate Network on Deepwoods Software's WordPress powered website. This plugin uses a database of ads to display. The ads are displayed in rotation, using the simple method of counting ad impressions and giving priority to the advertisers with the least impressions and display ads with the least impressions first that are expiring soonest. As ads and advertisers are displayed, their impression counts are incremented, which moves them down the list¹. This means

¹To the back of the list once the impression counts reach equilibrium, when the impression counts are all the same.

that all ads are displayed fairly, with preference given to new ads and to ads which are expiring soonest². After using “in house” for a while, I have made this plugin available to other WordPress users who also using the Google Affiliate Network as a source of advertising revenue.

Installation

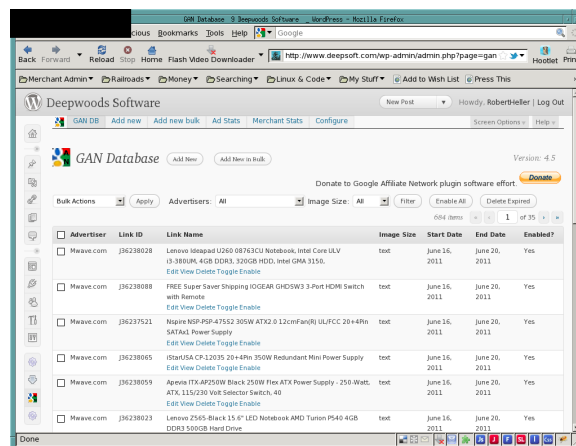
Installation is just a matter of installing from the new plugin page. Once installed and activated, the plugin is ready to start displaying affiliate ads.

Configuring

There is only one configuration option: Autoexpire. The option is true by default. It enables the automatic removal of ads that have expired. While it is possible to disable this option it is not recommended

If you have upgraded from an older version of the plugin, the configure page will display a button to upgrade the database to the new version.

Managing your ad database



The screenshot shows the 'GAN Database' admin interface. At the top, there are navigation links like 'Merchant Admin', 'Rainbows', 'Money', 'Searching', 'Linux & Code', 'My Stuff', 'Add to Wish List', and 'Press This'. Below these, there's a 'GAN DB' section with buttons for 'Add new', 'Add new bulk', 'Ad Stats', 'Merchant Stats', and 'Configure'. A 'Bulk Actions' dropdown is set to 'Apply'. The main table lists several ads from 'Meave.com' with details like Link ID, Link Name, Image Size, Start Date, End Date, and an 'Enabled?' checkbox. The table is sorted by 'End Date' in descending order.

Advertiser	Link ID	Link Name	Image Size	Start Date	End Date	Enabled?
Meave.com	J36238028	Lenovo Ideapad U260 08763CU Notebook, Intel Core ULV i3-380UM, 4GB DDR3, 320GB HDD, Intel GMA 3150.	text	June 16, 2011	June 20, 2011	Yes
Meave.com	J36238088	FREE Super Saver Shipping IOGEAR GHD5W3 3-Port HDMI Switch with Remote	text	June 16, 2011	June 20, 2011	Yes
Meave.com	J36237521	Nasire NSP-PPS-47552 305W ATX2.0 12cmFan(R) UL/FCC 20+4Pin S&T&D Power Supply	text	June 16, 2011	June 20, 2011	Yes
Meave.com	J36238065	iStarUSA CP-12035 20+4Pin 350W Redundant Mini Power Supply	text	June 16, 2011	June 20, 2011	Yes
Meave.com	J36238059	Apotea ITX-AP7000W Black 250W Pin ATX Power Supply - 250 Watts, ATX, 15A/250V Volt Selector Switch, 40	text	June 16, 2011	June 20, 2011	Yes
Meave.com	J36238023	Lenovo Z560-Black 15.6" LED Notebook AMD Turion P540 4GB DDR3 500GB Hard Drive	text	June 16, 2011	June 20, 2011	Yes

Figure 1: GAN Database Admin Page

Managing your ads is done from the main GAN database page, shown in Figure 1. The advertiser, link id, link name, image size, start date, end date, and enabled flag are displayed in this table. Ads are sorted by increasing end date. It is possible to filter the displayed ad by advertiser and/or ad size. There is a button to enable all ads and

²Expired ads are not displayed and a daily cron job deletes them.

to delete ads that have expired. Ads can be deleted or have their enable flag toggled in bulk. Ads can be individually edited, viewed, deleted or have their enable flags toggled.

Inserting Ads

In order to display ads, you need to have some ads in your database. There are two ways to insert ads: manually, one by one or in bulk from a TSV (Tab Separated Value) file. Manual insertion is done on the *Add new* admin page and bulk insertion is done on the *Add new bulk* admin page.

Add new admin page (manual insertion)

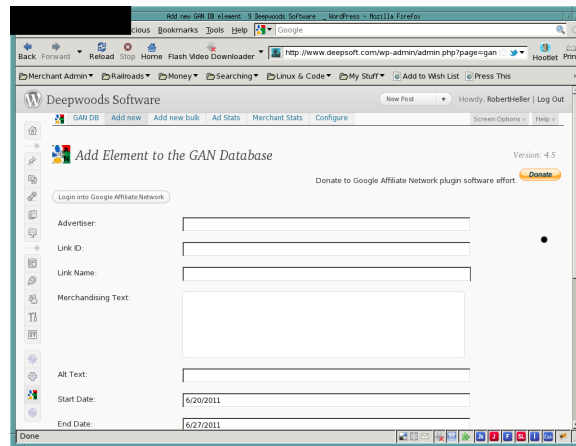


Figure 2: GAN Manual Add Page

This page, shown in Figure 2, has a form for adding (and editing and viewing) a single ad. Generally, this page is not usually used, see Section for adding ads in bulk. The fields³ include:

Advertiser: This is the advertiser's name.

Link ID: This is the (unique) Link Id code. This ID value is supplied by Google and uniquely identifies the ad. Link IDs must be unique and are prefixed by an uppercase "J".

Link Name: This is the name of the link. It is used as the anchor text for text ads.

Merchandising Text: This is some ad copy for the link and is displayed with the ad link.

Alt Text: This is the alternative text for image ads.

³These fields correspond to the column headings used in the files sent as part of your E-Mailed Link Subscriptions.

Start Date: This is the starting date, in the format yyyy-mm-dd or m/d/yyyy.

End Date: This is the ending date, in the format yyyy-mm-dd or m/d/yyyy. For ads with no ending date use a date far into the future, like 2037-12-31.

Clickserver Link: This is the tracking URL for the ad.

ImageURL: This is the URL of the ad image for image ads.

ImageHeight: This is the height of the image (0 for text ads).

ImageWidth: This is the width of the image (0 for text ads).

LinkURL: This is the Link URL. This is the URL of the actual banner image.

PromoType: This is the type of promotion.

MerchantID: This is the (unique) merchant id. This value is supplied by Google and is prefixed by an uppercase “K”.

enabled? This indicates if the ad is enabled or not.

Add new bulk admin page (bulk insertion)

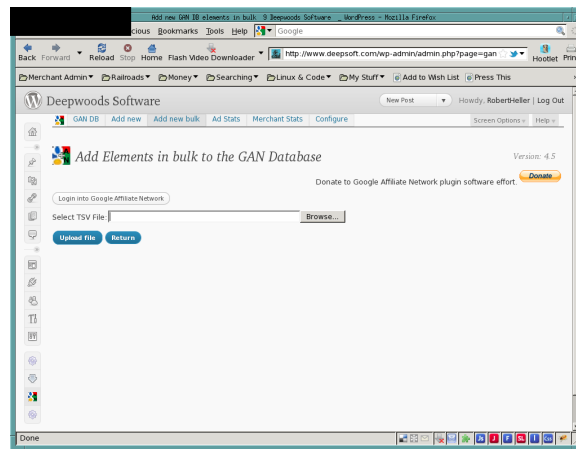


Figure 3: GAN Bulk Add Page

This page, shown in Figure 3, uploads a TSV file of ads previously downloaded from your Google Affiliate Network management page. You get this file by visiting your Google Affiliate Network management page and clicking the Links tab (see figure 4). On this page you can select the sorts of ads you would like by selecting one or more of your approved advertisers and selecting the type of ads (text and/or banner), and other criteria such as size, etc. It is then possible to export these ads as a TSV file, using the Export As button and selecting “Tab Separated Values” option (see figure 5), which can then be downloaded. This same file can in turn be uploaded to the GAN plugin and the ads in this file will be added to your ad database.



Figure 4: GAN Links Tab



Figure 5: GAN Export Links As

Editing Ads

When displaying the data on the main admin page, links are provided to edit, delete, or toggle the enabled flag for each ad. The ads are displayed ordered by expiration date, with the soonest to expire displayed first. It is possible to select only a single merchant's ads to be displayed and/or a single size of ad or only text ads.

Ad Subscriptions

A Tcl script is included to process E-Mailed Ad Subscriptions and insert them into the database. This requires the ability to receive E-Mail on the server running the database server and requires that Tcl and the MySQLTcl package be installed as well as the use of procmail as a mail delivery agent.

Showing Ads

There are two ways to show ads on your pages and/or posts. You can use one of the two widgets (GAN Image Widget or GAN Widget) or one of the two shortcodes (GAN_Text or GAN_Image). The widgets of course need to go into a 'sidebar' that supports widgets. The shortcodes can go into any post or page.

GAN Widget

This widget (see Figure 6) shows text ads in a "sidebar" that supports widgets.

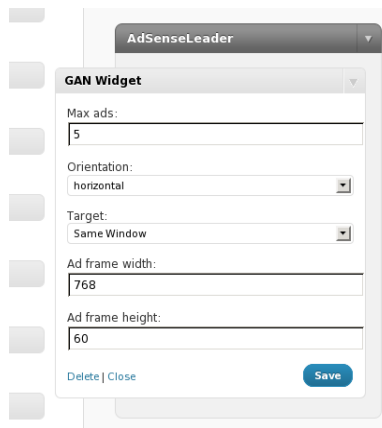


Figure 6: GAN Widget

The GAN Widget has five parameters:

Max ads: The maximum number of ads to display.

Orientation: The orientation of the ads. Horizontal means the ads are arranged side by side like one row of a table and vertical means the ads are arranged in a vertical list. Typically the horizontal orientation is suitable for a wide but short ad frame and the vertical orientation is suitable for sky scrapper type ad unit.

Target: The link target to use. Can be either Same Window or New Window or Tab.

Ad frame width: The width of the ad frame. A value of zero will cause the frame to use all of the available space.

Ad frame height: The height of the ad frame.

GAN Image Widget

This widget (see Figure 7) shows image (banner) ads in a “sidebar” that supports wid-gets. Any given widget instance (ad unit) can only show one size of banner ad.

The GAN Image Widget has seven parameters:

Max ads: The maximum number of ads to display.

Width: The image width of the image ads.

Height: The image height of the image ads.

Orientation: The orientation of the ads. Horizontal means the ads are arranged side by side like one row of a table and vertical means the ads are arranged in a vertical list. Typically the horizontal orientation is suitable for a wide but short ad frame and the vertical orientation is suitable for sky scrapper type ad unit.

Figure 7: GAN Image Widget

Target: The link target to use. Can be either Same Window or New Window or Tab.

Ad frame width: The width of the ad frame. A value of zero will cause the frame to use all of the available space.

Ad frame height: The height of the ad frame.

GAN_Text shortcode

This shortcode inserts a text ad unit into a page or post.

The GAN_Text shortcode has same five parameters as the GAN Widget:

maxads An integer, with the default being 4. The maximum number of ads to display.

orientation The orientation of the ads, one of “vertical” (the default) or “horizontal”. Horizontal means the ads are arranged side by side like one row of a table and vertical means the ads are arranged in a vertical list. Typically the horizontal orientation is suitable for a wide but short ad frame and the vertical orientation is suitable for sky scrapper type ad unit.

target The link target to use, one of “same” (the default) or “new”.

ifwidth The width of the ad frame. A value of zero will cause the frame to use all of the available space.

ifheight The height of the ad frame.

Here is an example – 5 text ads arranged horizontally in a 798x70 frame:

```
[GAN_Text maxads=5 orientation='horizontal' ifwidth=798 ifheight=70]
```

GAN_Image shortcode

This shortcode inserts an image (banner) ad unit into a page or post. Like the GAN Image Widget, all of the ads displayed are of the same size.

The GAN_Image shortcode has same seven parameters as the GAN Image Widget:

maxads An integer, with the default being 4. The maximum number of ads to display.

orientation The orientation of the ads, one of “vertical” (the default) or “horizontal”.

Horizontal means the ads are arranged side by side like one row of a table and vertical means the ads are arranged in a vertical list. Typically the horizontal orientation is suitable for a wide but short ad frame and the vertical orientation is suitable for sky scrapper type ad unit.

target The link target to use, one of “same” (the default) or “new”.

width The image width of the image ads. The default is 120.

height The image height of the image ads. The default is 60.

ifwidth The width of the ad frame. A value of zero will cause the frame to use all of the available space.

ifheight The height of the ad frame.

Here is an example – 2 468x60 banners arranged vertically in a 468x126 frame:

```
[GAN_Image maxads=2 orientation='vertical' ifwidth=468 ifheight=126 width=468 height=60]
```

Using the ad unit insertion media button

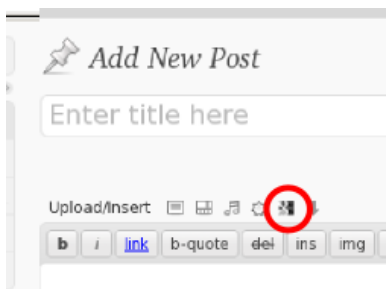
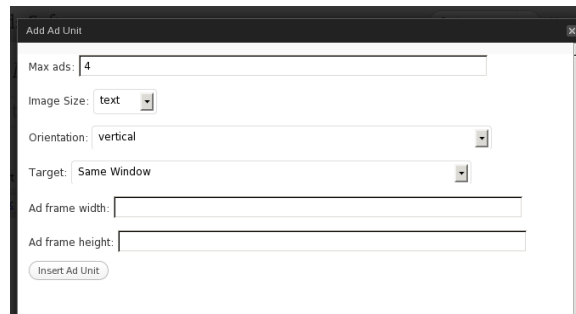


Figure 8: GAN Insert Ad Unit Media button

As of version 4.3, a “media button”, shown in Figure 8, is available to aid in the insertion of the ad unit short codes into pages and posts. This button opens a dialog window, shown in Figure 9, where the parameters can be easily selected to create a short code that will insert an ad unit into the current page or post. You can select the maximum number of ads, the size or type of ad, the orientation of the ads within the ad unit and the size of the ad frame. When you click on the insert ad button, the proper short code is generated and inserted into your page or post.

A screenshot of a web application dialog box titled "Add Ad Unit". The dialog box has a dark header bar with the title and a close button. Below the header, there are several input fields and dropdown menus. The "Max ads:" field contains the number "4". The "Image Size:" dropdown menu is set to "text". The "Orientation:" dropdown menu is set to "vertical". The "Target:" dropdown menu is set to "Same Window". Below these are two empty text input fields for "Ad frame width:" and "Ad frame height:". At the bottom left of the dialog box is a button labeled "Insert Ad Unit".

Add Ad Unit

Max ads: 4

Image Size: text

Orientation: vertical

Target: Same Window

Ad frame width:

Ad frame height:

Insert Ad Unit

Figure 9: GAN Insert Ad Unit Dialog Box

Statistics

Both ad and merchant statistics are available for display and download as CSV files. The statistics are ordered from fewest impressions to most impressions. A summary of the statistics is also displayed on the dashboard. Ad statistics can be filtered by advertiser and/or by size.