



***HOW TO  
Set Up a Logging  
Configuration***

Revision 1.0



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# HOW TO

## Set Up a Logging Option

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### Introduction

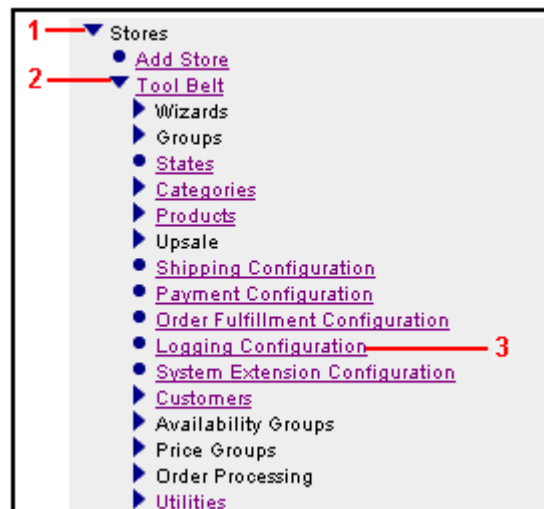
Miva Merchant provides you with the ability to capture valuable statistical information for reporting and analysis. There are two options available:

- Miva Merchant Access Log File (`malf.log`)
- e-Urchin Log File (`elf.log`)

These log files track the categories, products and screens the customer views and what products they put in their basket.

### Configuring the Logging File

Use the following procedure to access the logging Configuration form.



1. Click the triangle next to Store to display the stores in your domain.
2. Click the triangle next to the store name to open the store menu.
3. Click the Logging Configuration link to open the Logging Configuration form.

4. Click the check box next to the logging option you want in your store.
5. Click Update.

## Miva Merchant Access Log File (malf.log)

The `malf.log` file is based on the National Center for Supercomputing Applications (NCSA) Extended Combined Format.

The file records one log entry per line with each field separated by a single white space. Blank fields are represented by the “-” character.

Except for the `referer` and `user-agent` fields which are surrounded by quotes, fields containing white space must be surrounded by [] square brackets.

Fields that are identical to the NCSA format are not discussed in detail. For more information about these fields, refer to the [www.apache.org](http://www.apache.org) Web site.

The main alterations to the NCSA format come in the second, third, and fifth fields.

Field	Description
2	Changed from the remote logname to the name of the storefront. This allows one log file to contain multiple store fronts for one Web site.
3	Changed from the remote user to the session ID. The session ID uniquely identifies each customer.
5	Changed from the first line of the request header, now contains three specific sub-fields that provide additional information about the actions of the customer. If any of the sub-fields contains white space, then the sub-field must be surrounded by [ ] square brackets.

## The `malf.log` Format

The modified NCSA format used by Miva Merchant in the `malf.log` file is shown below.

```
%h%{STORE}%{SESSIONID}%t \"%{ACTION}%{SCREEN}%{ATTRIBUTES}\ "%s%b
\ "%{Referer}i\ " \ "%{User-agent}i\ "
```

where:

%h	the remote host (see <a href="http://apache.org">apache.org</a> for additional information).
%{STORE}	the name/ID of the storefront.
%{SESSIONID}	the unique session identifier of the customer.
%t	time in the common log format (see <a href="http://apache.org">apache.org</a> for additional information).
%{ACTION}	an identifier describing the action the user has taken.
%{SCREEN}	an identifier describing the screen the user is shown.
%{ATTRIBUTES}	a description of the screen attributes possibly including product names.
%s	the status code (see <a href="http://apache.org">apache.org</a> for additional information).
%b	the bytes sent (see <a href="http://apache.org">apache.org</a> for additional information).
%{Referer}	the referring URL (see <a href="http://apache.org">apache.org</a> for additional information).
%{User-agent}	the user-agent (see <a href="http://apache.org">apache.org</a> for additional information).

Below is an example of a single record as recorded by the `malf.log` file:

```
remotehost.net "001" 01BF41C24B108D20FFF73BA900000000 [08/Dec/
1999:13:22:16 -0800] - SFNT "001" 200 - "http://www.somesite.com/
Merchant2/merchant.mv" "Mozilla/4.0 (compatible; MSIE 4.01; Windows
98)"
```

## Configuration Option

Miva Merchant Access Log has one configurable option, the log file name.

The screenshot shows a web-based configuration window titled "Logging Configuration". Inside the window, there is a navigation bar with links for "Modules", "e-Urchin Log", and "Miva Merchant Access Log". Below the navigation bar, there is a text input field labeled "Log File:" which contains the text "malf.log". At the bottom right of the window, there are two buttons: "Update" and "Reset".

The default log file name is `malf.log`.

1. To change the name enter a new name in the Log File text box.
2. Click Update.


## e-Urchin Log File (elf.log)

The e-Urchin Log(elf.log) provides the ability to get a highly detailed analysis of Web site traffic during the current month. A wide variety of statistics are compiled and presented in an attractive, easy to read format that is highly visual without the overhead of large graphics. For more information on this log, visit [www.urchin.com](http://www.urchin.com).

### Configuration Options

e-Urchin Log has two configurable options.

- Log file name
- Log Remote Hostnames



The screenshot shows a web-based configuration window titled "Logging Configuration". It has three tabs: "Modules", "e-Urchin Log", and "Miva Merchant Access Log". The "e-Urchin Log" tab is selected. Below the tabs, there are two configuration options: "Log File:" followed by a text input field containing "elf.log", and a checkbox labeled "Log Remote Hostnames" which is currently unchecked. Two red arrows point to these elements: arrow 1 points to the "Log File:" label and arrow 2 points to the "Log Remote Hostnames" checkbox.

The default log file name is elf.log.

1. To change the name enter a new name in the Log File text box.
2. If you wish to log remote hostname of those visiting your store, click the check box.
3. Click Update.