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## Web metrics with Webalizer

Webalizer is included in most Linux distributions. If not in your release, you can find this at: <u>http://webalizer.linux-mirror.org/</u>

For this document, we'll be using the version available on RHEL 5: webalizer-2.01\_10-30.1

To get this started, install the RPM downloaded from the above site: Rpm –ivf webalizer-2.01\_10-30.1.rpm

This will install the binaries and a default configuration file at /etc/webalizer.conf. The webalizer statistics may contain sensitive information. To prevent unauthorized people from viewing, webalizer default service is on localhost:

This configuration file maps the webalizer log analysis results (generated daily) into the URL space. By default these results are only accessible from the local host.

Alias /usage /var/www/usage

<Location /usage> Order deny,allow Deny from all Allow from 127.0.0.1 Allow from ::1 Allow from .example.com </Location>

Many times, a more useful setup is to allow usage access remotely if over https and with an authorized user. Here's a configuration to do this:

Alias /usage /var/www/usage/ <Directory "/var/www/usage/"> Options None Order allow,deny Allow from all AuthName "Usage Access" AuthType Basic AuthUserFile /var/www/etc/htpasswd.users Require valid-user </Directory>

Once the configurations are added to Apache, restart the service:

service httpd restart



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Webalizer is run through the daily cron job: /etc/cron.daily/00webalizer and looks for an access log in /var/log/httpd/access,log. If you have a different log name convention, you will need to modify this job to look at the correct log.

For larger scale environments, you likely have multiple hosts all logging to separate logs. To allow for these to be merged into one log for stats, we use the logrresolvemerge.pl utility from AW Stats:

http://awstats.sourceforge.net/docs/awstats\_tools.html

Usage is simple:

./logresolvemerge.pl	host1.log	host2.log	host3.log	> access.log

Here's a few screen prints on one of our non-production environments:

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Here's the next screen if you select May 2012:

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	Total Hits		2133		
	Total Files	İ	1580		
	Total Pages		747		
	Total Visits		28		
	Total KBytes		27302		
	Total Unique Sites		21		
	Total Unique URLs		292		
	Total Unique Referrers		53		
	Total Unique Usernames		1		
	Total Unique User Agents		36		
		Avg	Max		
	Hits per Hour	29	229		
	Hits per Day	711	1130		
	Files per Day	526	864		
	Pages per Day	249	400		
	Visits per Day	9	18		
	KBytes per Day	9101	15328		
	Hits by Response Co	de			
	Code 200 - OK		1580		
	Code 301 - Moved Permanently		335		
	Code 302 - Found		75		
	Code 304 - Not Modified		140		
	Code 400 - Bad Request		1		