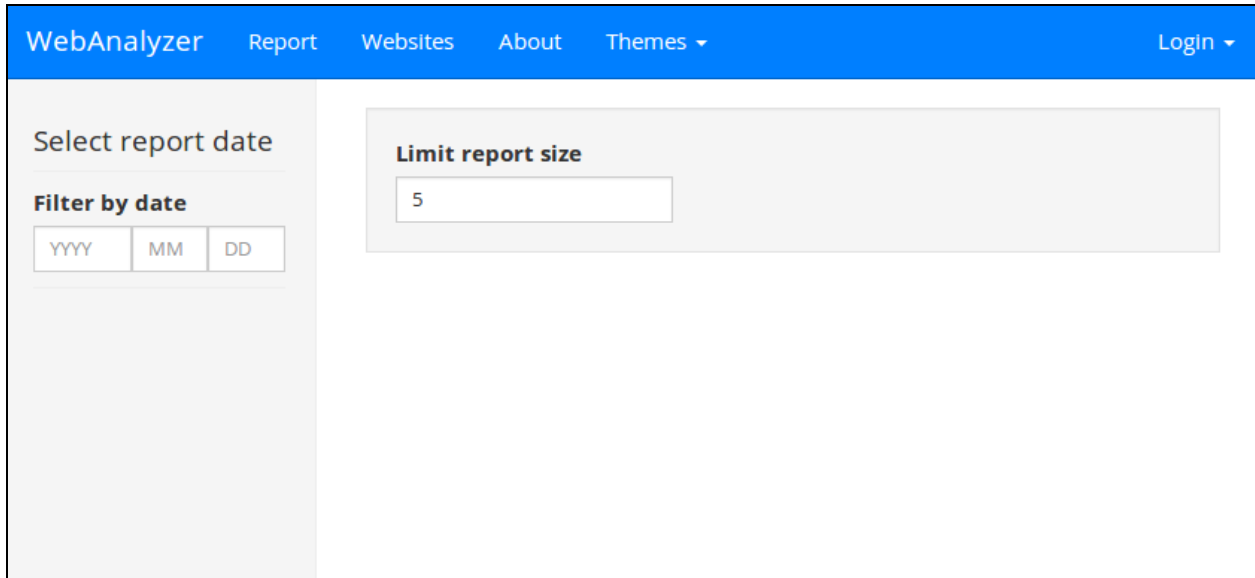


WebAnalyzer

User Guide

The front page

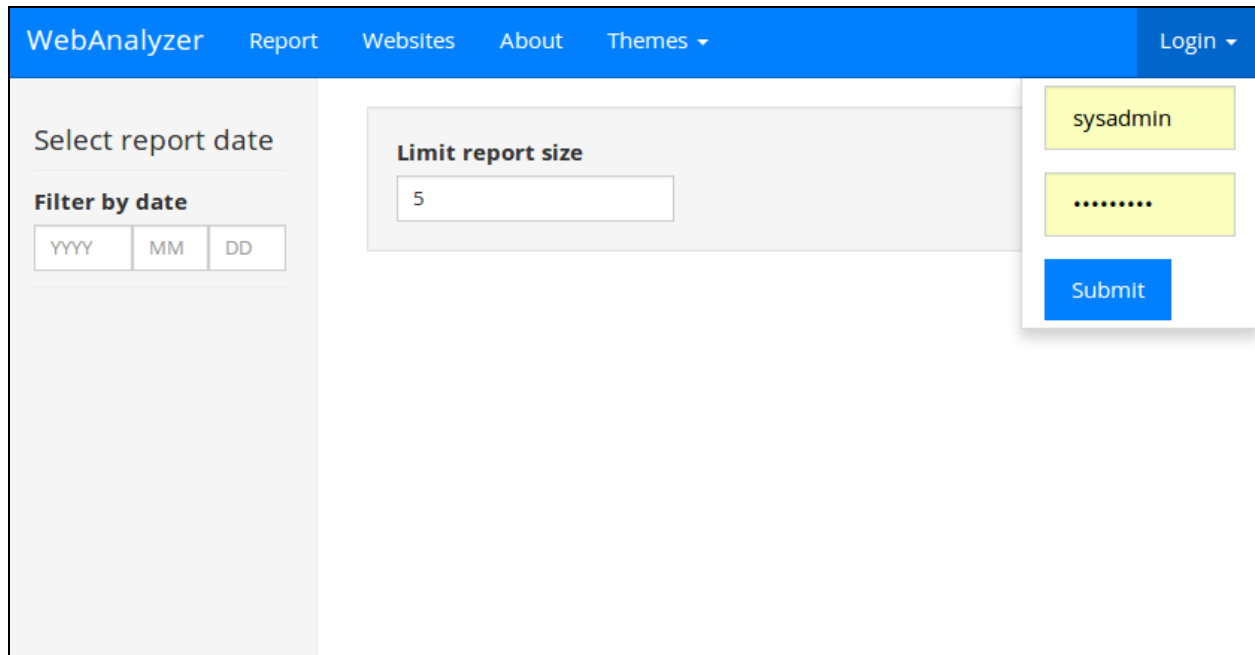
By default, the report page will be the landing page when user is accessing the application. The default local address is <http://localhost:9090>. The application is also available online at <http://web-analyzer.herokuapp.com>.



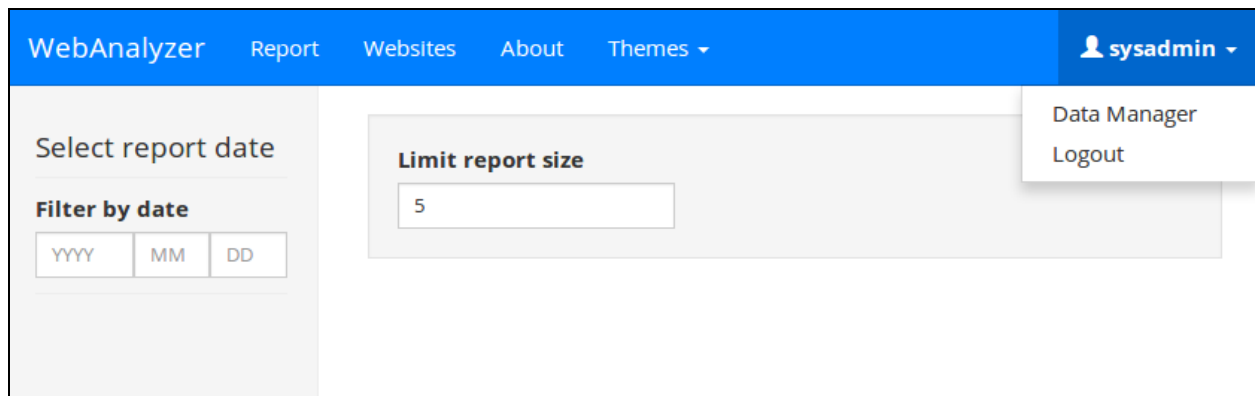
The screenshot shows the WebAnalyzer application interface. At the top is a blue navigation bar with the following links: 'WebAnalyzer', 'Report', 'Websites', 'About', 'Themes' (with a dropdown arrow), and 'Login' (with a dropdown arrow). The main content area is divided into two sections. On the left, under the heading 'Select report date', there is a 'Filter by date' section with three input fields labeled 'YYYY', 'MM', and 'DD'. On the right, under the heading 'Limit report size', there is a single input field containing the number '5'.

Login

In order to upload some data, a user is required to log into the system. Simply click on the login link on the top right corner. Enter the username **sysadmin** and password **asdf1234!** into the login form and click submit or press enter.

The image shows the login page of a web application named 'WebAnalyzer'. The top navigation bar is blue and contains links for 'Report', 'Websites', 'About', and 'Themes'. A 'Login' button with a dropdown arrow is on the right. The main content area has a light gray background. On the left, there's a 'Select report date' section with a 'Filter by date' label and three input fields for 'YYYY', 'MM', and 'DD'. In the center, there's a 'Limit report size' section with a text input field containing the number '5'. On the right, there's a login form with a yellow background. It contains a text input field with 'sysadmin', a password input field with eight dots, and a blue 'Submit' button.

The username 'sysadmin' will replace 'Login' word to indicate the user is logged in. Once logged in, user now can access the Data Manager through the menu under the user's account.

The image shows the dashboard of the 'WebAnalyzer' application after a user has logged in as 'sysadmin'. The top navigation bar is the same as in the previous image. The 'Login' button has been replaced by a user profile icon and the text 'sysadmin' with a dropdown arrow. A dropdown menu is open, showing two options: 'Data Manager' and 'Logout'. The main content area is the same as in the previous image, with the 'Select report date' section, the 'Limit report size' section, and the login form area.

Uploading data

Data manager will allow user to upload a set of data into the application. Acceptable format of data is *.csv and the string should be formatted as below:

```
date|website|visits
2013-01-06|www.bing.com|14065457
...
```


WebAnalyzer

Report

Websites

About

Themes

 sysadmin

Data Manager

Please select a CSV file (*.csv) to upload

Choose File

No file chosen

Uploaded file's data is extracted and saved into the database.

Type here to search...

#	Date	Website	Visits	Updated	Action
---	------	---------	--------	---------	--------

Uploading a file

Simply click on the Choose File button to choose a file to upload. The file information will be displayed before it is uploaded. User can click on the upload button in order to initiate the file uploading.


WebAnalyzer

Report

Websites

About

Themes

 sysadmin

Data Manager

Please select a CSV file (*.csv) to upload

Choose File

data.csv

Uploaded file's data is extracted and saved into the database.


Selected file information

File name	data.csv
Size	1480 KB
Modified date	29 Jan 2014 5:15:28 PM

upload

cancel

A successful upload will receive a green message, and the data will be populated immediately.

WebAnalyzer Report Websites About Themes ▾  **sysadmin** ▾

Data Manager


data.csv is successfully uploaded.





Please select a CSV file (*.csv) to upload

Choose File

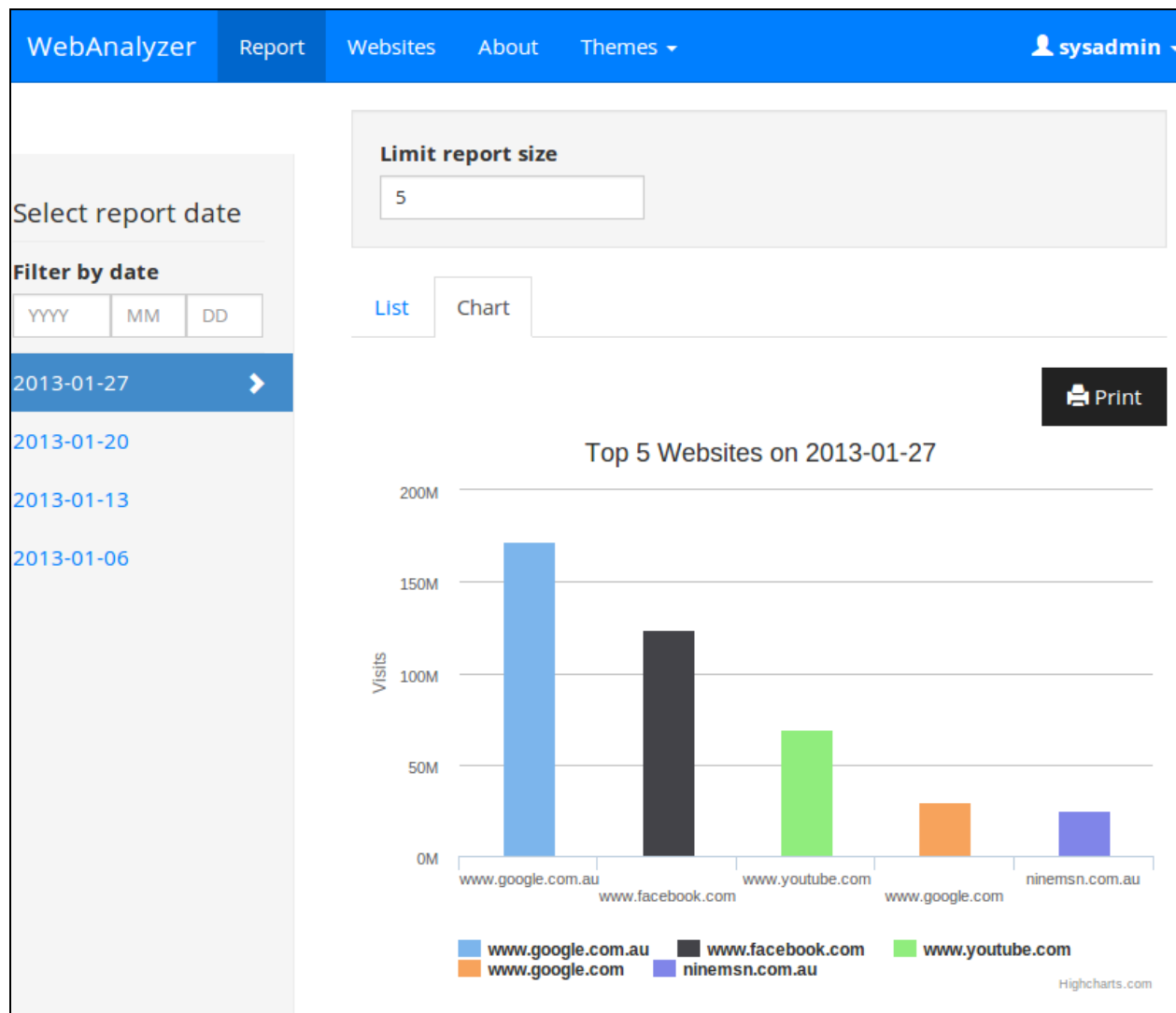
No file chosen

Uploaded file's data is extracted and saved into the database.

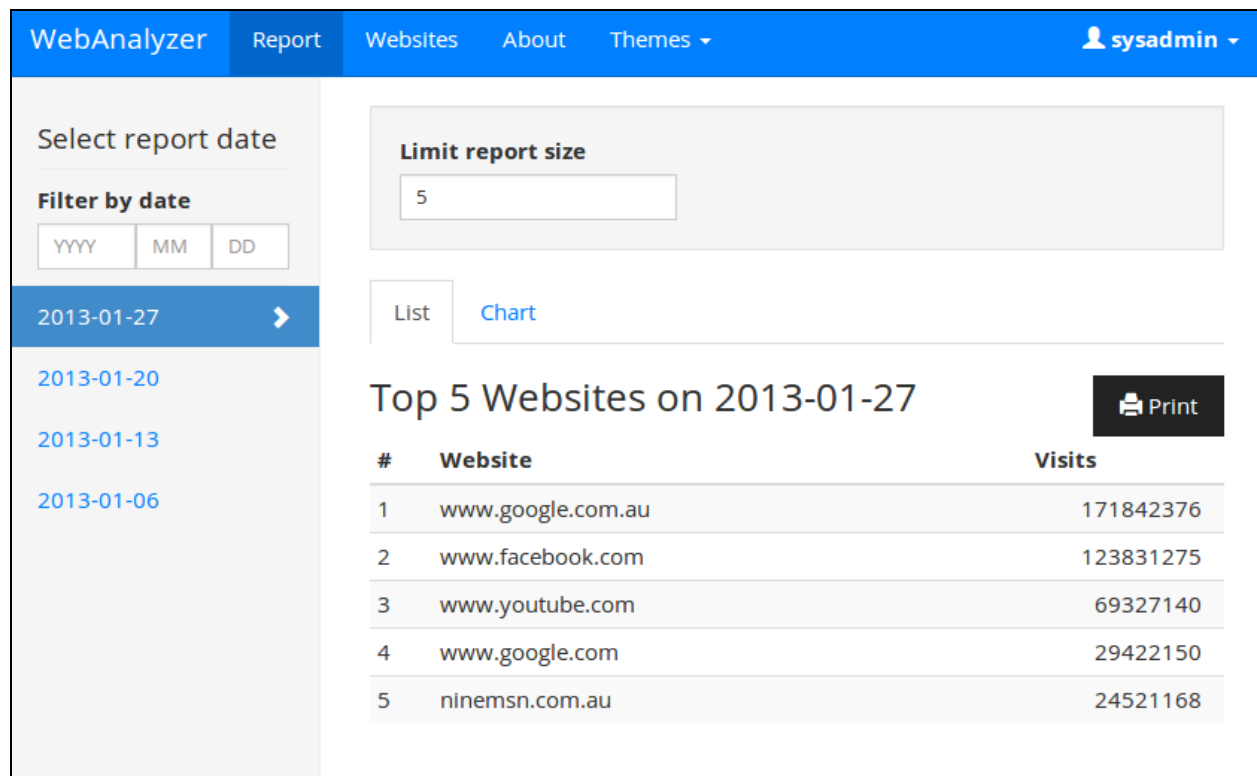
 Type here to search...

#	Date	Website	Visits	Updated	Action
1	2013-01-27	www.bing.com	16041776	2014-05-30 11:01 +0800	 Delete
2	2013-01-27	www.ebay.com.au	23154653	2014-05-30 11:01 +0800	 Delete
3	2013-01-27	www.google.com	29422150	2014-05-30 11:01 +0800	 Delete
4	2013-01-27	www.bom.gov.au	14369775	2014-05-30 11:01 +0800	 Delete

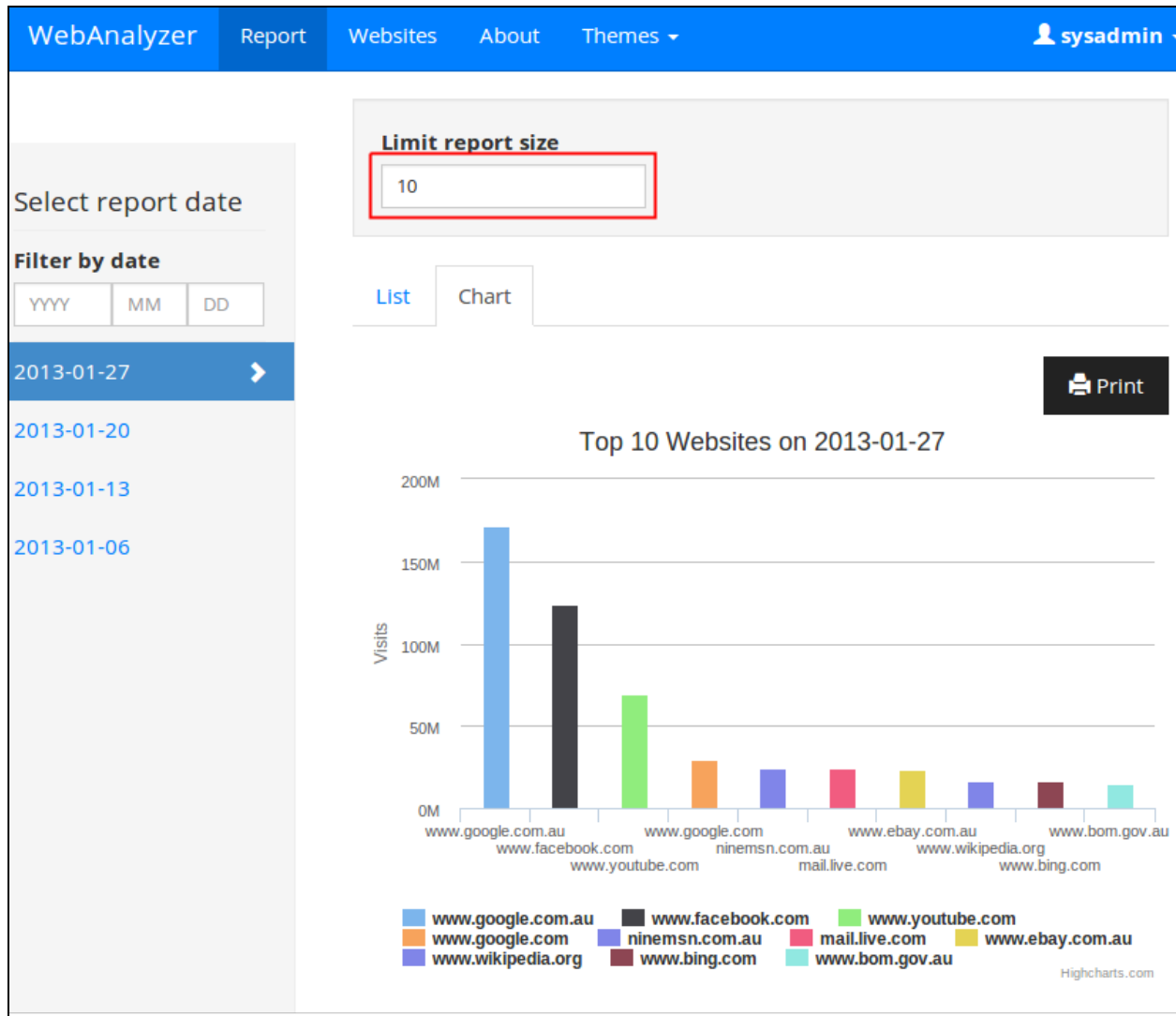
Now user can go to report page to view the reports. The report dates are displayed on the left side of the page. By selecting a date, the report for that particular date will be displayed. There are two types of report, the first one is chart.



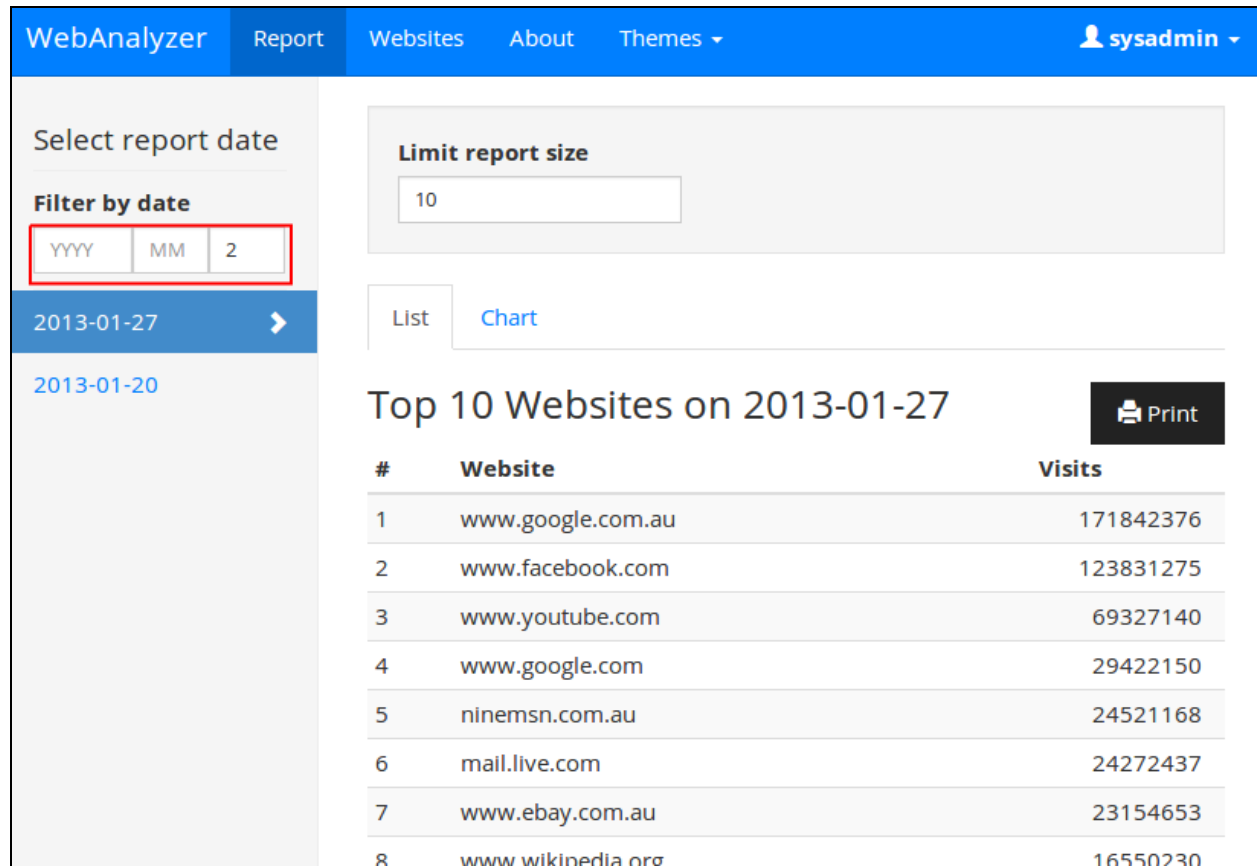
The other is a list report shown by clicking on the list tab menu.



At the top of the report page there is an input box with label “limit report size”. This is for user to control the size of the report. The maximum number allowed is 100. Changing the value will update the report, list and chart immediately.

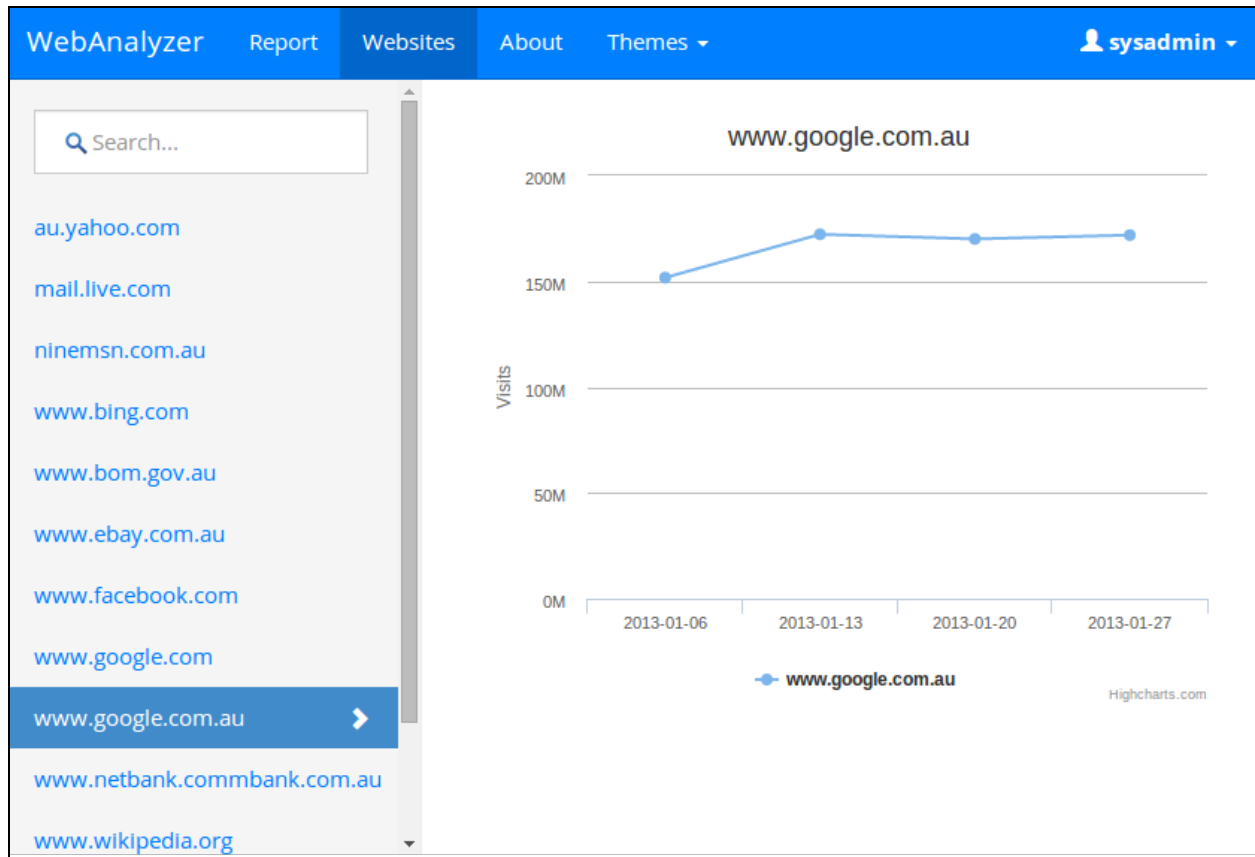


There is also a function to filter the report dates to make the searching easier. Simply enter year, month or date into the input boxes, and the date list will be updated accordingly. The search mechanism here is two level of search. The first is a search against the pre-cache json list. The second one is a lazy search on the database level. The cache is generated during the data insertion and update. While not all data is cached, certain records will still be accessible through database search.



Website report

There is also a page for displaying website data. Like the report page, list of website names are displayed at the left side. Selecting the name, a line chart is shown that consists of the selected website data.



Like in the report page, here user can filter the website names too.

