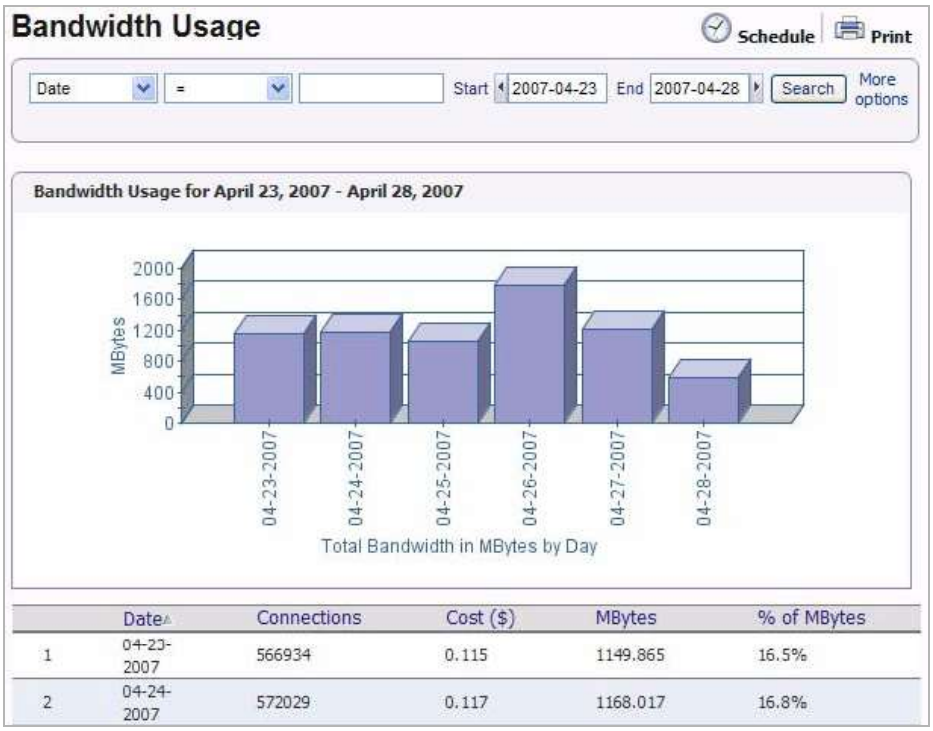
3. Expand the **Bandwidth** tree and click **Over Time**. The Over Time page displays.




| | Date | Connections | Cost ($) | MBytes | % of MBytes |
|---|---|---|---|---|---|
| 1 | 04-23-2007 | 566934 | 0.115 | 1149.865 | 16.5% |
| 2 | 04-24-2007 | 572029 | 0.117 | 1168.017 | 16.8% |

4. The bar graph displays the amount of bandwidth transferred during each day of the specified time period.
5. The table contains the following information:
   - **Date**—when the sample was taken.
   - **Connections**—number of hits.
   - **Cost ($)**—amount of the expense per 100 megabytes. You can configure this in the **Cost Per Mega Byte Bandwidth Use** field in the Console > Reports > Summarizer screen.
   - **MBytes**—number of megabytes transferred.
   - **% of MBytes**—percentage of megabytes transferred during this day, compared to the time period. For example, if 100,000 megabytes of data was transferred during the time period and 25,000 megabytes was transferred on one day, the **% of MBytes** field will display 25%.
6. To change the date of the report and other settings, use the Search Bar and click the **Start** or **End** fields to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**

– **Chart Type**: **Area**, **Bar** or **Plot** chart

See “Managing Report Settings” on page 154.

8. When you are finished, click **Search.** The ViewPoint Reporting Module displays the report for the selected date range.

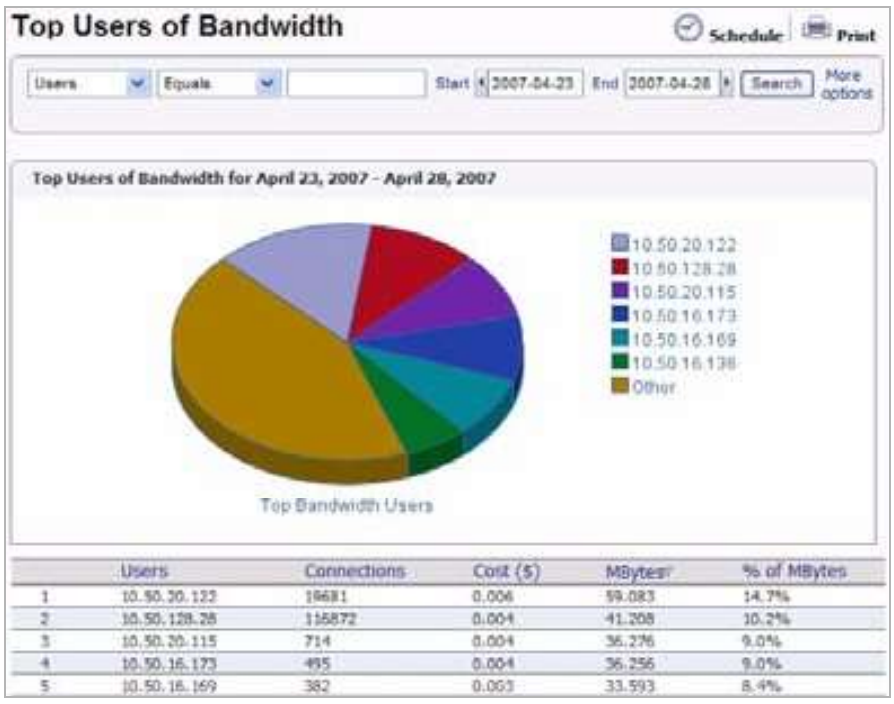
**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing the Top Users of Bandwidth Over Time

The Top Users Over Time report displays the users who used the most bandwidth and accumulated the highest cost during the specified date range. This report is available at the unit level.

To view the Top Users Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Bandwidth** tree and click **Top Users Over Time**. The Top Users Over Time page displays.




4. The pie chart displays the percentage of bandwidth transferred by each user.

5. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Connections**—number of events or “hits.”
   - **Cost**—total amount of the expense per 100 megabytes.
   - **MBytes**—number of megabytes.
   - **% of MBytes—**percentage of megabytes transferred by this user, compared to all users. For example, if 1000 megabytes of data was transferred during this period and 200 megabytes was transferred by the top user, the **% of MBytes** field will display 20%.
6. The ViewPoint Reporting Module shows yesterday’s report. To change the date range of the report and other settings, click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
8. To display a limited group of users, enter the user IDs in the **Search Bar** fields.



**Note** The search bar fields use pattern matching with operators such as “contains”. For example, “john” will match john_smith, john42, or big_john.

9. When you are finished, click **Search.** The ViewPoint Reporting Module displays the report for the selected users and date range.



**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Services Reports

Service reports provide information on the amount of data transmitted through the selected SonicWALL appliance by each service.

Service reports are useful for revealing inappropriate usage of bandwidth and can help determine network policies. For example, if there is a large spike of bandwidth usage, you can determine whether this is caused by regular Web access, someone using FTP to transfer large files, an attempted Denial of Service (DoS) attack, or another service.

**Note** All reports appear in the appliance's time zone.

The procedures for viewing the Services Reports are described in the following section:

- "Viewing the Services Summary Report" on page 189

**Note** You cannot view services reports from the global view.

## Viewing the Services Summary Report

The Services Summary report displays the amount of traffic handled by each service during each hour of the specified day.

To view the Services Summary report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.

3. Expand the **Services** tree and click **Summary**. The Summary page displays.




4. The bar graph displays the amount of bandwidth used by each service during each hour of the day.
5. The table contains the following information:
   - **Protocol**—the service.
   - **Events**—number of events or “hits.”
   - **MBytes**—Number of Megabytes.
   - **% of MBytes**—percentage of megabytes transferred by this service on the selected day, compared to all other services. For example, if 10,000 megabytes of data was transferred during the day and 5,000 of the megabytes were transferred, the **% of MBytes** field will display 50%.
6. To change the date of the report and other settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

   See “Managing Report Settings” on page 154.

8. When you are finished, click **Search.** The ViewPoint Reporting Module displays the report for the selected date.

**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Web Usage Reports

Web usage reports provide information on the amount of Web usage that occurs through the selected SonicWALL appliance(s).

Web usage reports can be used to view Web bandwidth usage by the hour, day, or over a period of days. Additionally, you can view the top users of Web bandwidth and view the most visited sites. Exclusion settings for Web sites and Web users are available on the Console > User Settings > Reports page. Web Usage reports will not contain references to the Web sites or users specified on this page. For more information, see the “Configuring Reports Settings” section on page 53.

For the Summary and Over Time reports, and for all reports involving Users, the browse time is also provided in one column of the table. The browse time is the amount of time consumed browsing the Internet through one or more selected SonicWALL appliances. The browse time is not displayed in reports for Category or Sites.

**Note** All reports appear in the appliance’s time zone.

Select from the following:


- “Viewing the Web Usage Summary Report” on page 192
- “Viewing the Top Web Sites” on page 194
- “Viewing the Top Users of Web Bandwidth” on page 195
- “Viewing Web Usage by User” on page 197
- “Viewing Web Usage By Site” on page 199
- “Viewing Web Usage By Category” on page 200
- “Viewing Web Usage Over Time” on page 202
- “Viewing Top Sites Over Time” on page 203
- “Viewing Top Users Over Time” on page 205
- “Viewing Web Usage By User Over Time” on page 207

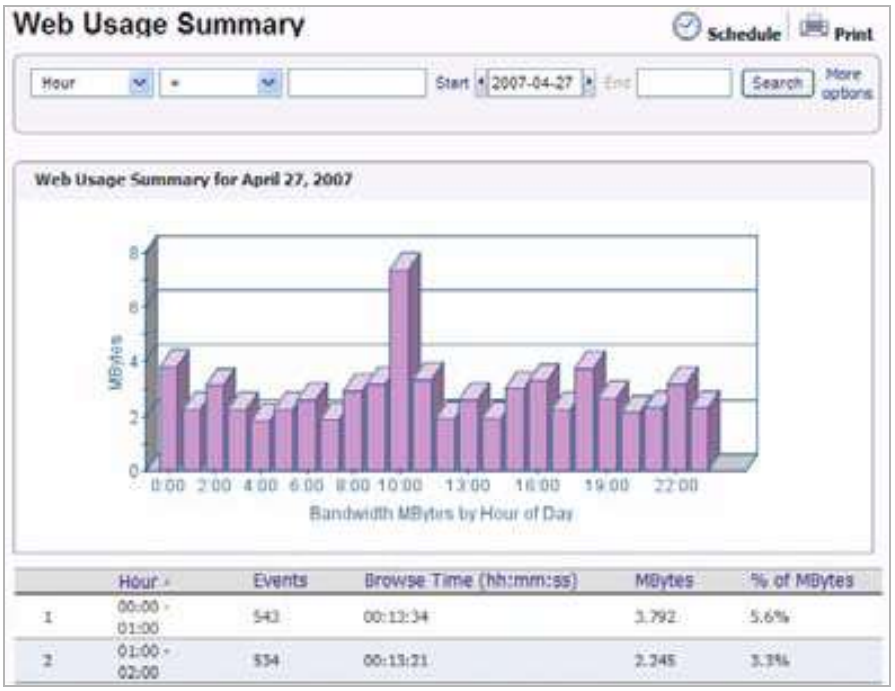
- “Viewing Web Usage By Category Over Time” on page 208

# Viewing the Web Usage Summary Report

The Web Usage Summary report contains information on the amount of HTTP bandwidth handled by a SonicWALL appliance or all SonicWALL appliances during each hour of the specified day. The report includes information on the amount of time spend browsing the Internet behind a SonicWALL appliance or all SonicWALL appliances.

To view the Web Usage Summary report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.
3. Expand the **Web Usage** tree and click **Summary**. The Summary page displays.




4. The bar graph displays the amount of HTTP bandwidth transferred during each hour of the day.



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5. The table contains the following information:
   - **Hour**—when the sample was taken.
   - **Events**—number of events or “hits.”
   - **Browse Time**—number of hours, minutes, and seconds spent browsing non-job function-related sites on the Internet.

     Browse Time is calculated as follows:

     (Number Of Pages / Noise Reduction Factor) * Average Browse Time Per Page

     "Number Of Pages" is the number of hits (responses by the Web site to build the page) when a User accesses a Web page (www.sonicwall.com).

     "Noise Reduction Factor" is the average noise we want to exclude per page (like eliminating pop-up links, images, and more). The factory default is 40.

     "Average Browse Time Per Page" is the time allocated to read a page.

     Noise Reduction Factor and Average Browse Time Per page are configurable in the database directly, but are not exposed in ViewPoint management interface.
   - **MBytes**—number of megabytes transferred.
   - **% of MBytes**—percentage of megabytes transferred during this hour, compared to the day. For example, if 1000 megabytes of HTTP data was transferred during the day and 100 megabytes was transferred at the 12:00 time period, the **% of MBytes** field will display 10%.
6. To change the date of the report and other settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search.** The ViewPoint Reporting Module displays the report for the selected date.

# Viewing the Top Web Sites

The Top Sites report displays the Web sites that used the most HTTP bandwidth on the specified date. To view the Top Sites report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Usage** tree and click **Top Sites**. The Top Sites page displays.




4. The pie chart displays the percentage of bandwidth used to access the top sites.
5. The table contains the following information:
   - **Site**—URL or IP address of the site.
   - **Hits**—number of hits.
   - **MBytes**—number of megabytes transferred.
   - **Category**—the Web site category.
   - **% of MBytes**—percentage of megabytes transferred between this site, compared to all other HTTP traffic. For example, if 10,000 megabytes of data was transferred during the day and 5,000 megabytes was transferred between the appliance and Ebay, the **% of MBytes** field will display 50% and you have a problem.

6. To change the date of the report and other settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Sites**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search.** The ViewPoint Reporting Module displays the report for the selected date.



**Note** These settings will stay in effect for all similar reports during your active login session.

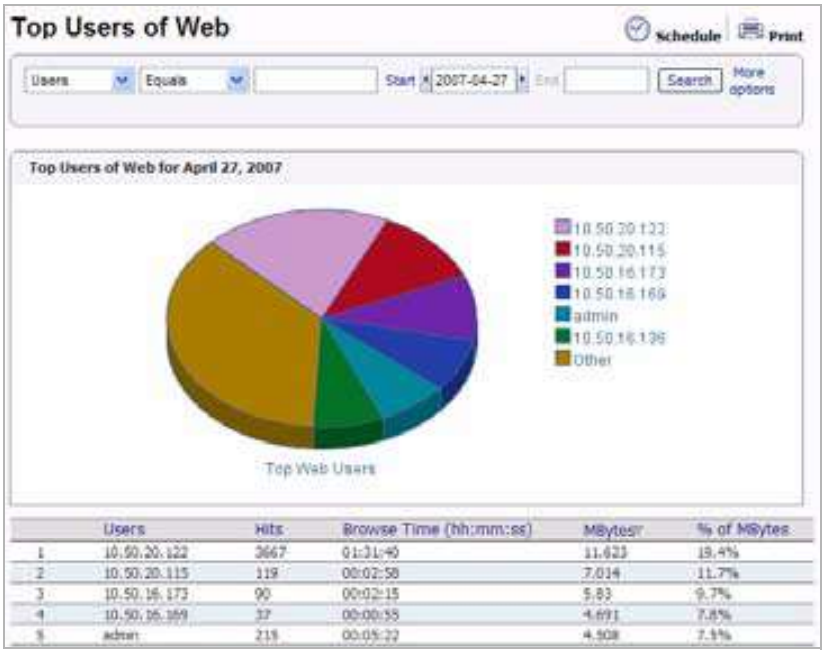
# Viewing the Top Users of Web Bandwidth

The Top Users report displays the users who used the most HTTP bandwidth and the amount of time they spent browsing the Internet on the specified date.

To view the Top Users report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.

3. Expand the **Web Usage** tree and click **Top Users**. The Top Users page displays.




4. The pie chart displays the percentage of bandwidth transferred by each of the top users.
5. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Hits**—number of hits.
   - **Browse Time**—number of hours, minutes, and seconds spent browsing non-job function-related sites on the Internet.
   - **MBytes**—number of megabytes transferred.
   - **% of MBytes**—percentage of megabytes transferred by this user, compared to all users. For example, if 1000 megabytes of data was transferred during the day and 200 megabytes was transferred by the top user, the **% of MBytes** field will display 20%.
6. The ViewPoint Reporting Module shows yesterday's report. To change the date of the report and other settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.

7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
8. To display a limited group of users, enter the user IDs in the **Search Bar** fields.



**Note** The search bar fields use pattern matching with operators such as “contains”. For example, “john” will match john_smith, john42, or big_john.

9. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected day.



**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Web Usage by User

The By User report displays a list of all users, their top sites, the number of hits to each site, the time spent browsing, and the amount of data transferred.

To view the By User report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.

3. Expand the **Web Usage** tree and click **By User**. The By User page displays.




4. The table contains the following information:
   - **User**—the IP address of the user.
   - **Hits**—the number of hits to each Web site visited by the user.
   - **Browse Time**—number of hours, minutes, and seconds spent browsing non-job function-related sites on the Internet.
   - **MBytes**—the number of megabytes transferred.
5. You can navigate directly from the **Web Usage > By User** page to a **Web Usage > By Site** page detailing the information of the site the user has been browsing. Click the **Plus** sign to the left of the **User** name or IP address to show details, and then hover the mouse over a site. A sticky tooltip will display with a link to the corresponding site's report page.
6. The ViewPoint Reporting Module shows yesterday's report. To change the date of the report and other settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Number of Users**
   - **Number of Sites per User**
   - **Rows per Screen**

   See "Managing Report Settings" on page 154.
8. To display a limited group of users, enter the user IDs in the **Search Bar** fields.

**Note** The search bar fields use pattern matching with operators such as “contains”. For example, “john” will match john_smith, john42, or big_john.

9. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected day.

**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Web Usage By Site

The By Site report displays a list of all sites, the users that accessed the sites, the number of hits to each site, and the amount of data transferred.

To view the By Site report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Usage** tree and click **By Site**. The By Site page displays.




4. The table contains the following information:
   - **Site**—the URL of the site.
   - **Hits**—the number of hits to the Web site, by user.
   - **MBytes**—the number of megabytes transferred, by the user.
   - **Category**—the category of the site.

5. You can navigate directly from the **Web Usage > By Site** page to a **Web Usage > By User** page detailing the information of the users who have been browsing the site. Click the **Plus** sign to the left of the **Site** to show details, and then hover the mouse over a user. A sticky tooltip will display with a link to the corresponding user report page.
6. The ViewPoint Reporting Module shows yesterday's report and all Web sites. To change the date of the report or Web sites displayed, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Chart Types you can set:
   - **Number of Sites**
   - **Number of Users per Site**
   - **Rows per Screen**

   See "Managing Report Settings" on page 154.
8. To display a limited group of sites, enter the sites in the **Search Bar** fields.



**Note** The search bar fields use pattern matching with operators such as "contains". For example, "john" will match john_smith, john42, or big_john.

9. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected day.



**Note** These settings will stay in effect for all similar reports during your active login session.

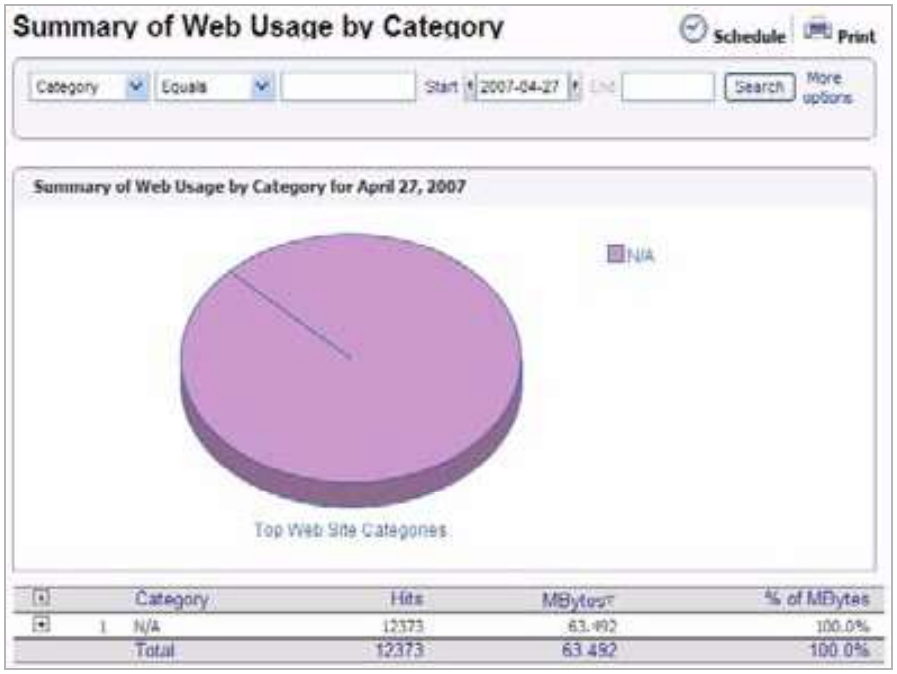
# Viewing Web Usage By Category

The Web Usage By Category report displays a list of the top Web site categories, the number of hits to each category, the amount of data transferred, and the percentage of data transferred.

To view the By Category report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.

3. Expand the **Web Usage** tree and click **By Category**. The By Category page displays.




4. The table contains the following information:
   - **Category**—the Web site category.
   - **Hits**—the number of hits to the Web site category.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred.
5. The ViewPoint Reporting Module shows yesterday's report and all Web site categories. To change the date of the report or Web site categories displayed, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
6. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Items**
   - **Entries per Item**
   - **Rows per Screen**

   See "Managing Report Settings" on page 154.
7. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected day.



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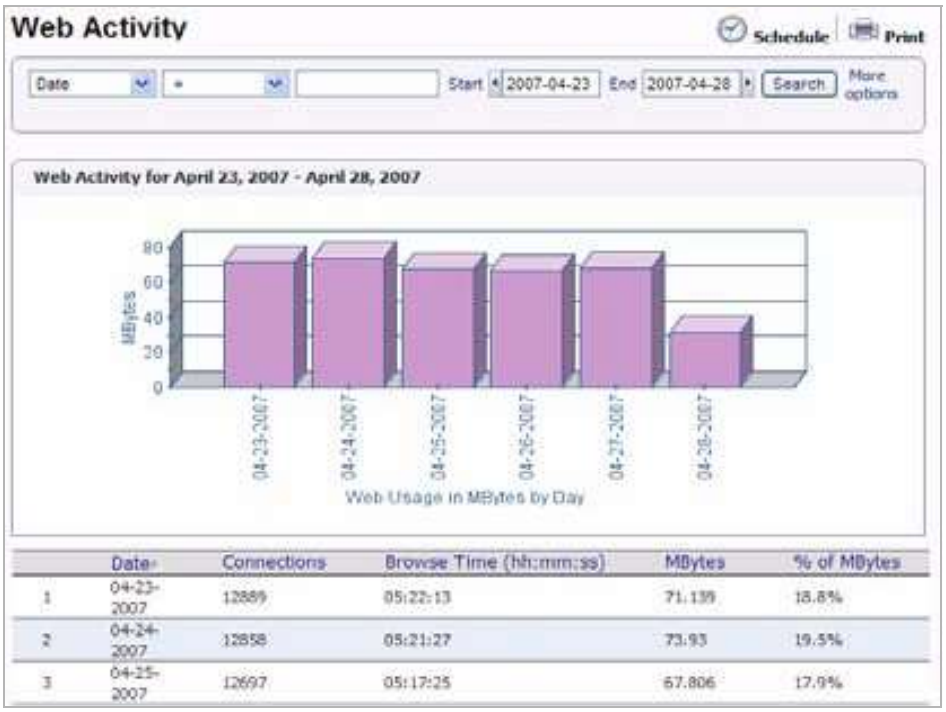
**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Web Usage Over Time

The Web Usage Over Time report displays the daily amount of HTTP bandwidth and browse time handled by a SonicWALL appliance or all SonicWALL appliances for the specified time period.

To view the Web Usage Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.
3. Expand the **Web Usage** tree and click **Over Time**. The Web Activity page displays.




4. The bar graph displays the amount of HTTP bandwidth transferred during each day of the specified time period.
5. The table contains the following information:

- **Date**—when the sample was taken.
- **Connections**—the number of connections or hits.
- **Browse Time**—number of hours, minutes, and seconds spent browsing non-job function-related sites on the Internet.
- **MBytes**—the number of megabytes transferred.
- **% of MBytes**—the percentage of megabytes transferred during this day, compared to the time period. For example, if 100,000 megabytes of data was transferred during the time period and 25,000 megabytes was transferred on one day, the **% of MBytes** field will display 25%.

6. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.



**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Top Sites Over Time

The Top Sites Over Time report displays the most visited Web sites for the specified time period.

To view the Top Sites Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.

3. Expand the **Web Usage** tree and click **Top Sites Over Time**. The Top Sites Over Time page displays.




4. The bar graph displays the amount of HTTP bandwidth transferred during each day of the specified time period.
5. The table contains the following information:
   - **Site**—URL or IP address of the site.
   - **Hits**—the number of hits.
   - **MBytes**—the number of megabytes transferred.
   - **Category**—the Web site category.
   - **% of MBytes**—the percentage of megabytes transferred between this site, compared to all other HTTP traffic. For example, if 1,000,000 megabytes of data was transferred during the day and 500,000 megabytes was transferred between the appliance and Ebay, the **% of MBytes** field will display 50% and you have a problem.
6. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Sites**



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– **Rows per Screen**

See “Managing Report Settings” on page 154.

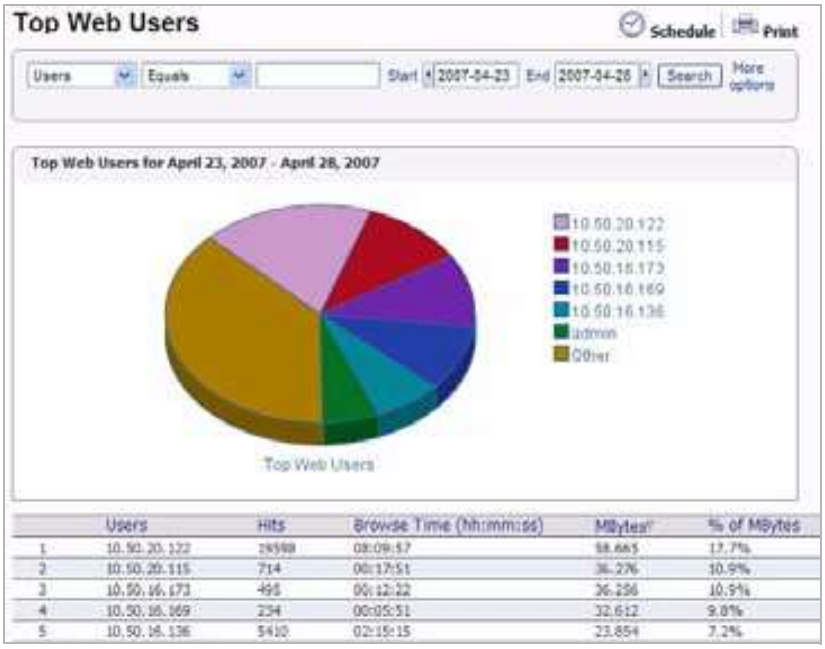
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Top Users Over Time

The Top Users Over Time report displays the top users of bandwidth and the amount of time they spent browsing the Internet for the specified time period. To view the Top Users Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Usage** tree and click **Top Users Over Time**. The Top Users Over Time page displays.




4. The graph provides a graphical display of the percentage of bandwidth transferred by each of the top users over the specified time period.
5. The table contains the following information:

- **Site**—URL or IP address of the site.
- **Hits**—number of hits.
- **Browse Time**—number of hours, minutes, and seconds spent browsing non-job function-related sites on the Internet.
- **MBytes**—number of megabytes transferred.
- **Category**—the category of the site.
- **% of MBytes**—percentage of megabytes transferred by this user, compared to all users. For example, if 1000 megabytes of data was transferred during the period and 200 megabytes was transferred by the top user, the **% of MBytes** field will display 20%.

6. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.



**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Web Usage By User Over Time

The By User Over Time report displays a list of all users, their top sites, the number of hits to each site, the time spent browsing, and the amount of data transferred for the specified time period.

To view the By User Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Usage** tree and click **By User Over Time**. The By User Over Time page displays.




4. The table contains the following information:
   - **User**—the IP address of the user.
   - **Hits**—number of hits to each Web site visited by the user.
   - **Browse Time**—number of hours, minutes, and seconds spent browsing non-job function-related sites on the Internet.
   - **MBytes**—number of megabytes transferred.
5. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
6. Under Report Display Settings you can set:
   - **Number of Users**
   - **Number of Sites per User**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
7. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

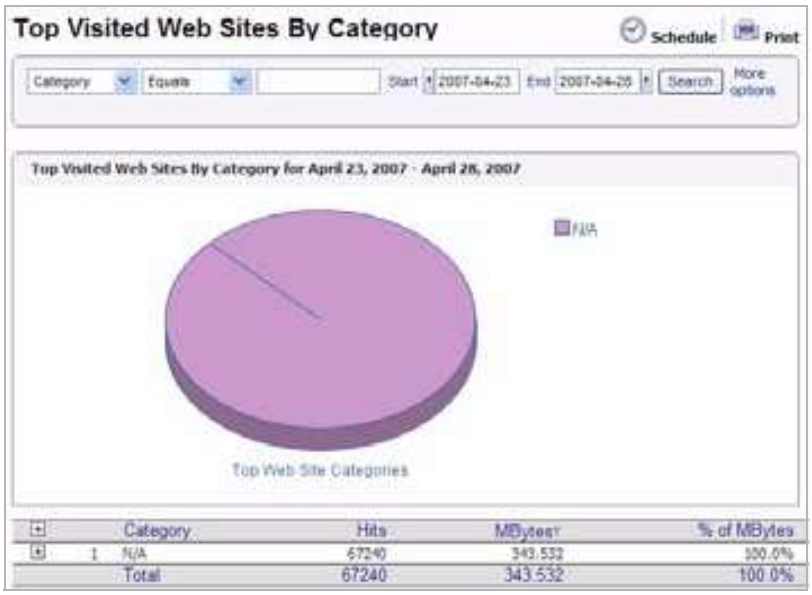
**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Web Usage By Category Over Time

The By Category Over Time report displays a list of all users, their top sites, the number of hits to each site, and the amount of data transferred for the specified time period.

To view the By Category Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Usage** tree and click **By Category Over Time**. The By User Over Time page displays.




4. The table contains the following information:
   - **Category**—the Web site category.
   - **Hits**—number of hits to each Web site visited by the user.
   - **MBytes**—number of megabytes transferred.
   - **% of MBytes**—percentage of megabytes transferred by this user, compared to all users. For example, if 1000 megabytes of data was transferred during the period and 200 megabytes was transferred by the top user, the **% of MBytes** field will display 20%.

5. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
6. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Items**
   - **Entries per Item**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
7. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.



**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Web Filter Reports

Web filter reports provide information on the number of attempts that users made to access blocked Web sites through the selected SonicWALL appliance(s). These reports include Web sites blocked by the Content Filter List, customized keyword filtering, and domain name filtering.

Web filter reports can be used to view blocked site access attempts by the hour, day, or over a period of days. Additionally, you can view the users that most frequently attempt to access blocked sites and the most popular blocked sites.



**Note** All reports appear in the applianceUTM’s time zone.

Select from the following:


- “Viewing the Web Filter Summary Report” on page 210
- “Viewing the Web Filter Top Sites Report” on page 212
- “Viewing the Top Users that Try to Access Blocked Sites” on page 213
- “Viewing the Blocked Sites for Each User” on page 215
- “Viewing Blocked Sites Sorted By Site” on page 216

- “Viewing Blocked Sites Sorted By Category” on page 217
- “Viewing Blocked Site Attempts Over Time” on page 219
- “Viewing the Top Blocked Site Attempts Over Time” on page 220
- “Viewing the Top Blocked Site Users Over Time” on page 221
- “Viewing Blocked Sites for Each User Over Time” on page 222
- “Viewing Blocked Sites By Category Over Time” on page 223

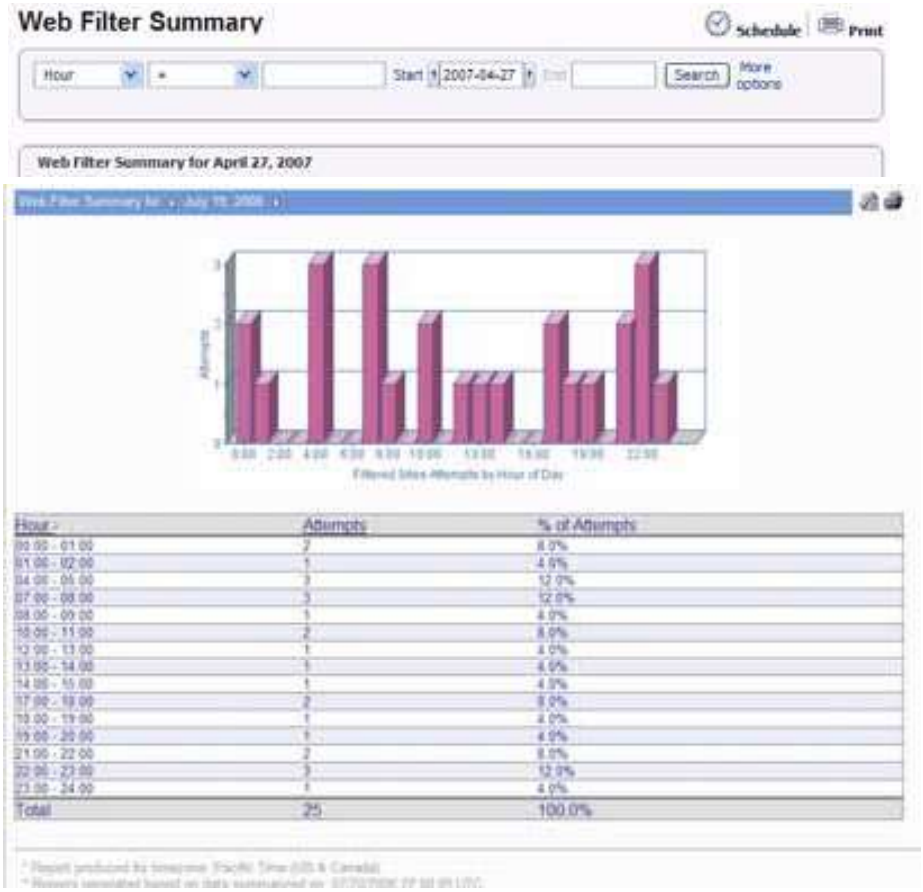

# Viewing the Web Filter Summary Report

The Web Filter Summary report contains information on the number of times users attempt to access blocked sites for the specified day.

To view the Web Filter Summary report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.

3. Expand the **Web Filter** tree and click **Summary**. The Summary page displays.




4. The bar graph displays the number of blocked sites that users attempted to access during each hour of the day.
5. The table contains the following information:
   - **Hour**—time when the sample was taken.
   - **Attempts**—the number of attempts to access blocked sites.
   - **% of Attempts**—the percentage of attempts during this hour, compared to the day. For example, if 100 attempts occurred during the day and 20 attempts occurred at the 12:00 time period, the **% of Attempts** field will display 20%.
6. To change the date of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.

7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date.

# Viewing the Web Filter Top Sites Report

The Web Filter Top Sites report displays the top blocked Web sites that users attempted to access on the specified date.

To view the Top Sites report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **Top Sites**. The Top Sites page displays.



4. The graph provides a display of the number of access attempts for each of the top twenty blocked Web sites.

5. The table contains the following information:
   - **Site**—the URL or IP address of the site.
   - **Attempts**—the number of attempts.
   - **Category**—the Web site category.
   - **% of Attempts**—percentage of attempts to access the blocked site, compared to all other blocked site attempts. For example, if 500 attempts were made during the day and 100 of those attempts were for www.badsite.com, its **% of Attempts** field will display 20%.
6. To change the date of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Sites**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date.

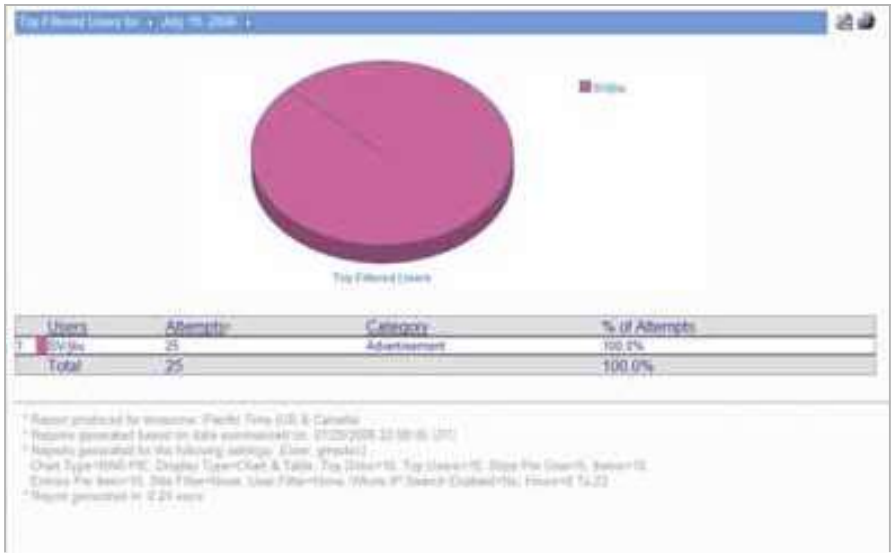
# Viewing the Top Users that Try to Access Blocked Sites

The Web Filter Top Users report displays the users who made the most attempts to access blocked sites on the specified date.

To view the Top Users report, perform the following steps:

1. Click the **UTM** tab.

2. Select a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **Top Users**. The Top Users page displays.



4. The pie chart displays the top users with the most blocked site attempts.
5. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Attempts**—the number of attempts.
   - **Category**—the Web site category.
   - **% of Attempts**—percentage of attempts to access the blocked site, compared to all other user attempts. For example, if 500 attempts were made during the day and 250 of those attempts were made by a single user, that user's **% of Attempts** field will display 50%.
6. By default, ViewPoint Reporting shows yesterday's report, a pie chart, and the ten top users. To change these settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table** or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

   See "Managing Report Settings" on page 154.

8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.
9. These settings will stay in effect for all similar reports during your active login session.

# Viewing the Blocked Sites for Each User

The Web Filter By User report displays the top blocked Web sites that each user attempted to access on the specified date.

To view the Web Filter By User report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **By User**. The By User page displays.



4. The table contains the following information:
   - **User**—the IP address of the user.
   - **Site**—the top five sites visited by the user.
   - **Attempts**—the number of attempts the user made to access each Web site.
5. You can navigate directly from the **Web Filter > By User** page to a **Web Filter > By Site** page detailing the information of the site the user has been browsing. Click the **Plus** sign to the left of the **User** name or IP address to show details, and then hover the mouse over a site. A sticky tooltip will display with a link to the corresponding site's report page.
6. By default, the ViewPoint Reporting Module shows yesterday's report, a pie chart, and the ten top users. To change these settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:

- **Number of Users**
- **Number of Sites per User**
- **Rows per Screen**

See “Managing Report Settings” on page 154.

8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected settings.
9. These settings will stay in effect for all similar reports during your active login session.

# Viewing Blocked Sites Sorted By Site

The Web Filter By Site report displays the top blocked Web sites that were accessed by users.

To view the Web Filter By Site report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **By Site**. The By Site page displays.




4. The table contains the following information:
   - **Site**—the top five sites visited by the user.
   - **Attempts**—the number of attempts the user made to access each Web site.
   - **Category**—the Web site category.

5. You can navigate directly from the **Web Filter > By Site** page to a **Web Filter > By User** page detailing the information of the users who have been browsing the site. Click the Plus sign to the left of the Site to show details, and then hover the mouse over a user. A sticky tooltip will display with a link to the corresponding user report page.
6. By default, the ViewPoint Reporting Module shows yesterday's report, a pie chart, and the ten top users. To change these settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Number of Users per Site:
   - **Rows per Screen**

   See "Managing Report Settings" on page 154.
8. Search for Web site addresses in the Search Bar fields.
9. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date.

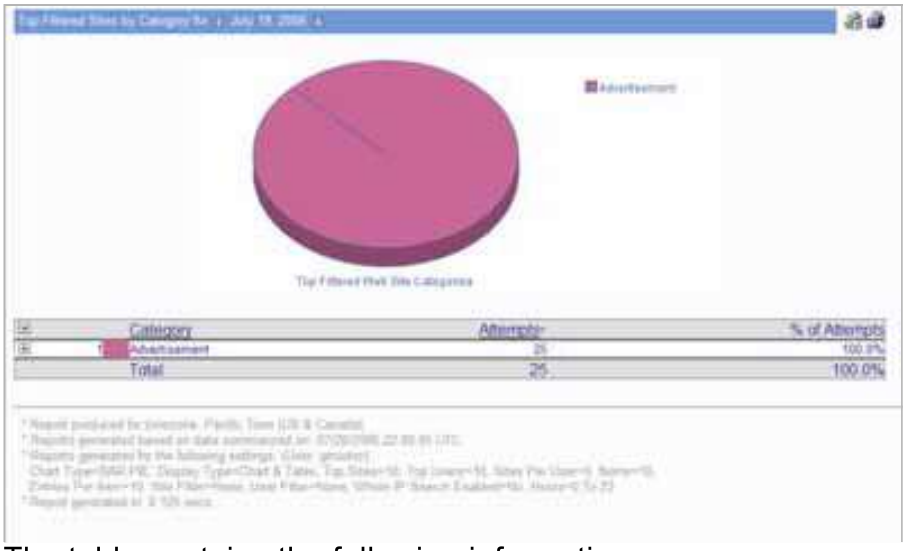
# Viewing Blocked Sites Sorted By Category

The Web Filter By Category report displays the top categories of Web sites that were accessed by users.

To view the Web Filter By Category report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.

3. Expand the **Web Filter** tree and click **By Category**. The By Site page displays.



4. The table contains the following information:
   - **Category**—the Web site category.
   - **Attempts**—the number of attempts the user made to access each Web site.
   - **% of Attempts**—the percentage of attempts to access the blocked site, compared to all other user attempts. For example, if 500 attempts were made during the day and 250 of those attempts were made by a single user, his **% of Attempts** field will display 50%.
5. By default, the ViewPoint Reporting Module shows yesterday's report, a pie chart, and the ten top users. To change these settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
6. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Items**
   - **Entries per Item**
   - **Rows per Screen**

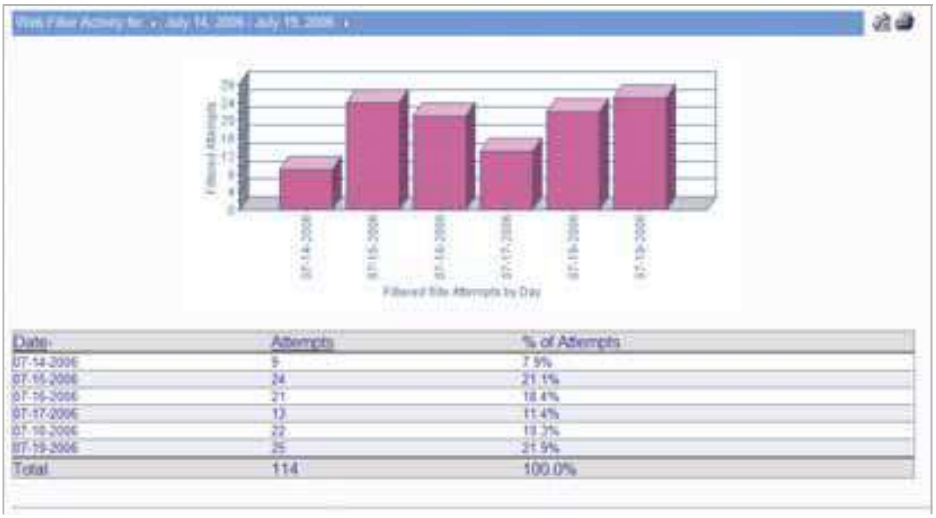
   See "Managing Report Settings" on page 154.
7. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing Blocked Site Attempts Over Time

The Web Filter Over Time report displays the number of attempts that were made to access blocked Web sites for the specified time period.

To view the Web Filter Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **Over Time**. The Over Time page displays.



| Date | Attempts | % of Attempts |
|---|---|---|
| 07-14-2006 | 9 | 7.9% |
| 07-15-2006 | 24 | 21.1% |
| 07-16-2006 | 21 | 18.4% |
| 07-17-2006 | 13 | 11.4% |
| 07-18-2006 | 22 | 19.3% |
| 07-19-2006 | 25 | 21.9% |
| Total | 114 | 100.0% |

4. The bar graph displays the number of attempts that were made to access blocked Web sites during each day of the specified time period.
5. The table contains the following information:
   - **Date**—the day when the sample was taken.
   - **Attempts**—the number of attempts to access blocked Web sites.
   - **% of Attempts**—the percentage of attempts to access the blocked site on the day, compared to the time period. For example, if 5,000 attempts were made during the time period and 500 were made on one day, its **% of Attempts** field will display 10%.
6. To change date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

See “Managing Report Settings” on page 154.

8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

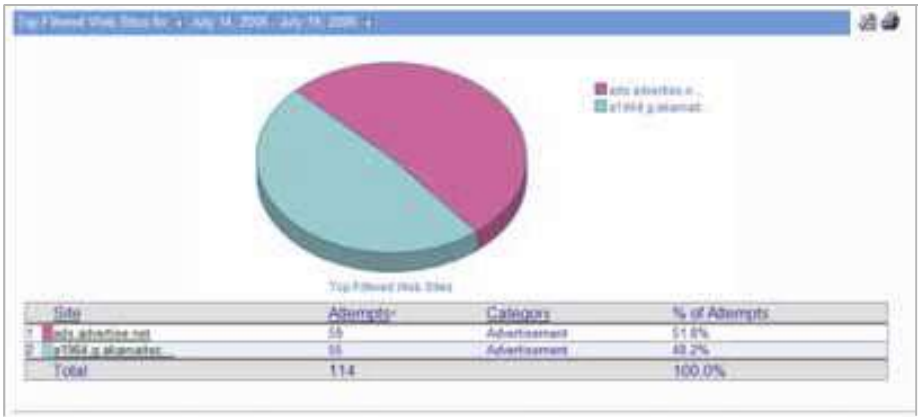
**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing the Top Blocked Site Attempts Over Time

The Top Sites Over Time report displays the top blocked Web sites for the specified time period.

To view the Web Filter Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **Top Sites Over Time**. The Top Sites Over Time page displays.




4. The graph displays the number of access attempts for each of the top blocked Web sites during the specified time period.
5. The table contains the following information:
   - **Site**—the URL or IP address of the site.
   - **Attempts**—the number of attempts.
   - **Category**—the Web site category.
   - **% of Attempts**—the percentage of attempts to access the blocked site, compared to all other blocked site attempts. For example, if 500 attempts were made during the period and 100 of those attempts were for www.badsite.com, its **% of Attempts** field will display 20%.

6. To change date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Sites**
   - **Rows per Screen**

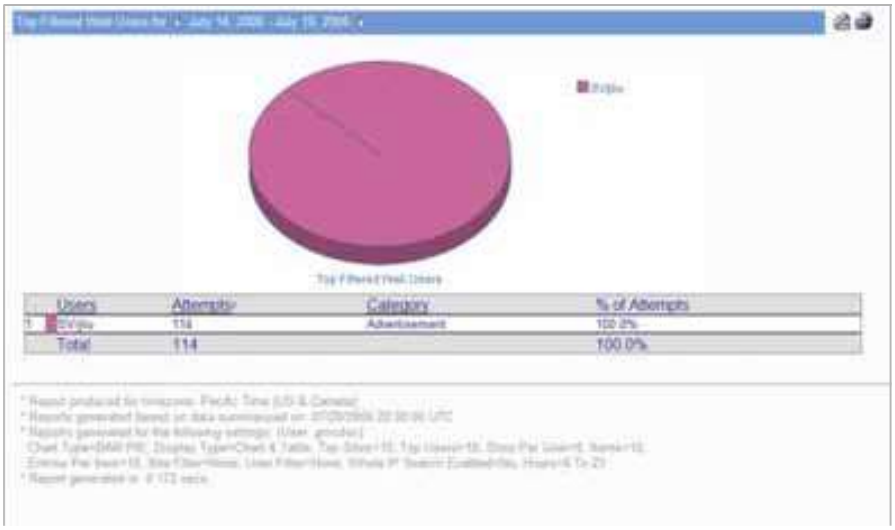
   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing the Top Blocked Site Users Over Time

The Web Filter Top Users Over Time report displays the users who made the most attempts to access blocked sites during the specified time period.

To view the Top Users Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **Top Users Over Time**. The Top Users Over Time page displays.




4. The pie chart displays the top users with the most blocked site attempts.

5. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Attempts**—the number of attempts.
   - **Category**—the Web site category.
   - **% of Attempts**—the percentage of attempts to access the blocked site, compared to all other user attempts. For example, if 500 attempts were made during the period and 250 of those attempts were made by a single user, his **% of Attempts** field will display 50%.
6. To change date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Sites**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing Blocked Sites for Each User Over Time

The Web Filter By User report displays the top blocked Web sites that each user attempted to access during the specified time period.

To view the By User Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.

3. Expand the **Web Filter** tree and click **By User Over Time**. The By User Over Time page displays.



4. The table contains the following information:
   - **User**—the IP address or name of the user.
   - **Attempts**—the number of attempts the user made to access each Web site.
5. To change date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
6. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
7. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

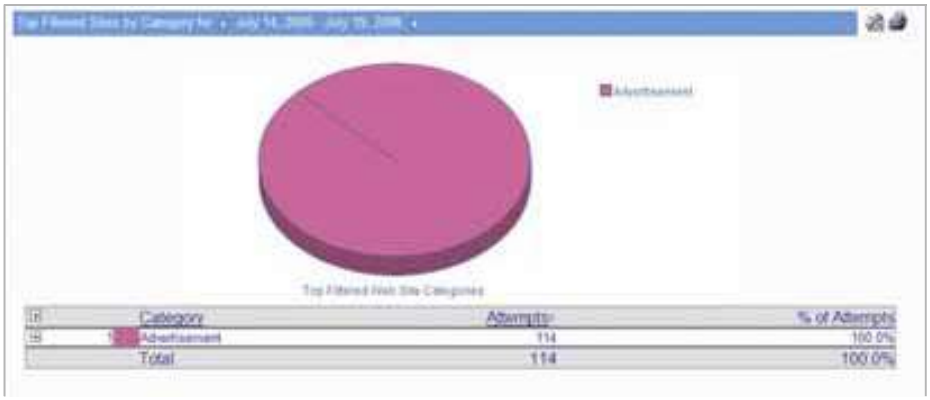
**Note** These settings will stay in effect for all similar reports during your active login session.

# Viewing Blocked Sites By Category Over Time

The Web Filter By Category Over Time report displays the top categories that users attempted to access.

To view the By Category Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Web Filter** tree and click **By Category Over Time**. The By Category Over Time page displays.




4. The table contains the following information:
   - **Category**—the Web site category.
   - **Attempts**—number of attempts the user made to access each Web site.
   - **% of Attempts**—the percentage of attempts to access the blocked site, compared to all other user attempts. For example, if 500 attempts were made during the period and 250 of those attempts were made by a single user, his **% of Attempts** field will display 50%.
5. To change date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
6. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Items**
   - **Entries per Item**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
7. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing File Transfer Protocol Reports

FTP usage reports provide information on the amount of FTP usage that occurs through the selected SonicWALL appliance(s).

FTP usage reports can be used to view FTP bandwidth usage by the hour, day, or over a period of days. Additionally, you can view the top users of FTP bandwidth.

General bandwidth reports do not always provide a complete picture of network bandwidth usage. If a large amount of FTP traffic occurs during peak times, you might need more bandwidth, you might need to upgrade network equipment, or you might ask employees to use compression or transfer large files during non-peak times.

**Note** All reports appear in the appliance's time zone.

Select from the following:

- "Viewing the FTP Summary Report" on page 225
- "Viewing the Top FTP Sites By User" on page 227
- "Viewing FTP Bandwidth Usage Over Time" on page 228
- "Viewing the Top Users of FTP Bandwidth Over Time" on page 230

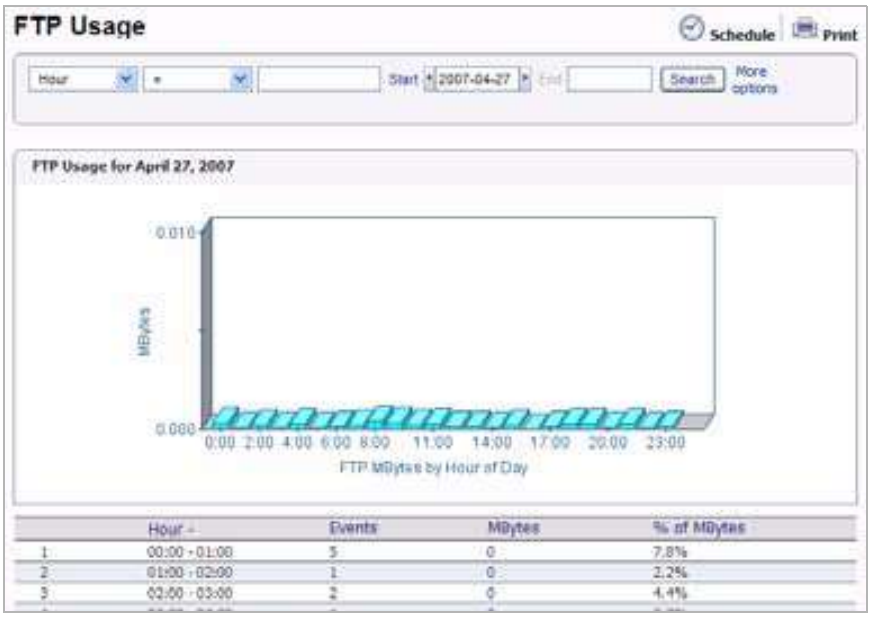
## Viewing the FTP Summary Report

The FTP Summary report contains information on the amount of FTP bandwidth handled by a SonicWALL appliance or all SonicWALL appliances during the specified day.

To view the FTP Summary report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.

3. Expand the **FTP Usage** tree and click **Summary**. The Summary page displays.




4. The bar graph displays the amount of FTP bandwidth transferred during each hour of the day.
5. The table contains the following information:
   - **Hour**—when the sample was taken.
   - **Events**—the number of FTP events.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred during this hour, compared to the day. For example, if 1000 megabytes of FTP data was transferred during the day and 100 megabytes was transferred at the 12:00 time period, the **% of MBytes** field will display 10%.
6. The ViewPoint Reporting Module shows yesterday's report. To change the date or other report settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart

   See "Managing Report Settings" on page 154.

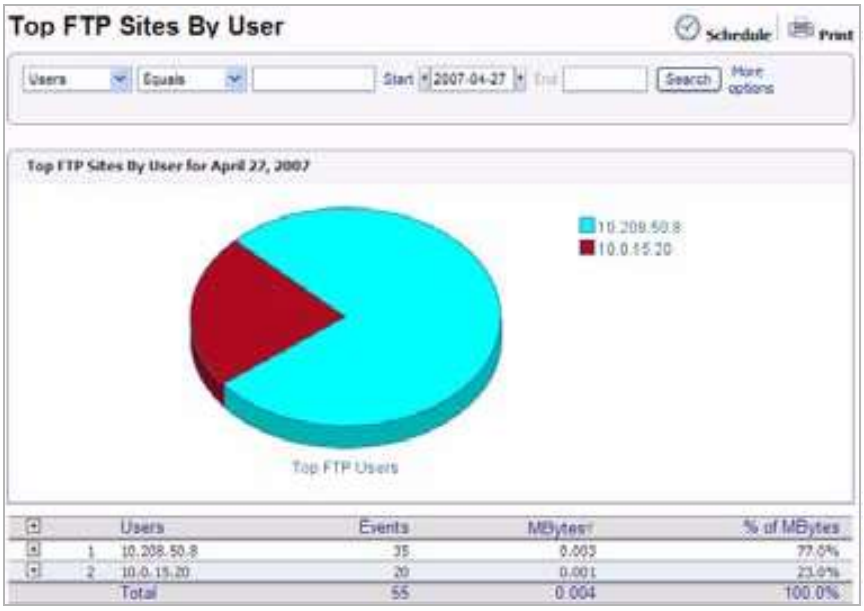
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date.

# Viewing the Top FTP Sites By User

The By User report displays the users who used the most FTP bandwidth on the specified date.

To view the By User report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **FTP Usage** tree and click **By User**. The By User page displays.




4. The pie chart displays the percentage of bandwidth used by each user. To view the sites visited by each user, expand the user's site tree (indicated by a '+' sign).
5. The table contains the following information:

- **Users**—the IP address of the user.
- **Events**—the number of FTP Events.
- **MBytes**—the number of megabytes transferred.
- **% of MBytes**—the percentage of megabytes transferred during this hour, compared to the day. For example, if 1000 megabytes of FTP data was transferred during the day and 100 megabytes was transferred at the 12:00 time period, the **% of MBytes** field will display 10%.

6. By default, the ViewPoint Reporting Module shows yesterday's report, a pie chart, and the ten top users. To change these settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Number of Sites per User**
   - **Rows per Screen**

   See "Managing Report Settings" on page 154.
8. To display a limited group of users, use the Search Bar fields.



**Note** The search bar fields use pattern matching with operators such as "contains". For example, "john" will match john_smith, john42, or big_john.

9. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

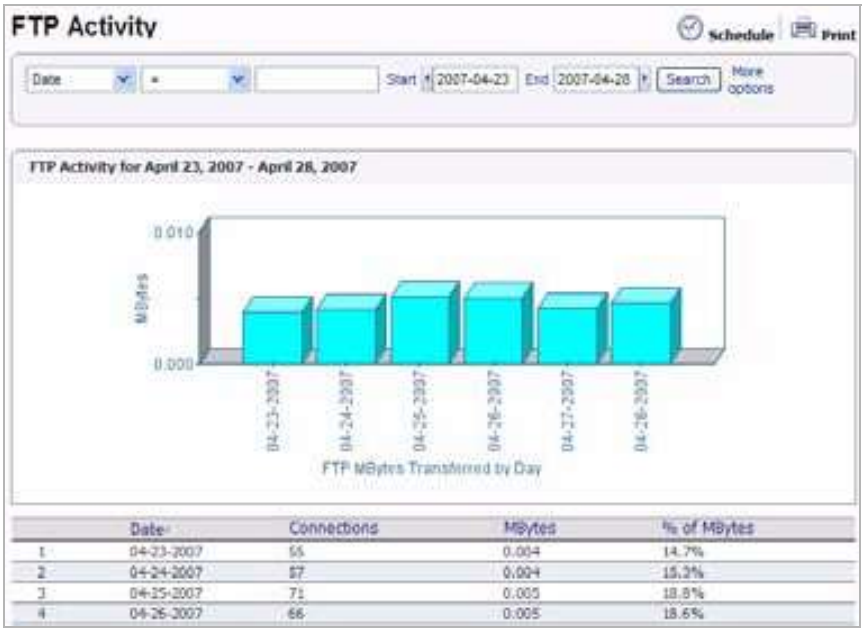
# Viewing FTP Bandwidth Usage Over Time

The FTP Usage Over Time report displays the daily amount of FTP bandwidth handled by a SonicWALL appliance or all SonicWALL appliances for the specified time period.

To view the FTP Usage Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.

3. Expand the **FTP Usage** tree and click **Over Time**. The FTP Activity page displays.




4. The bar graph displays the amount of FTP bandwidth transferred during each day of the specified time period.
5. The table contains the following information:
   - **Date**—when the sample was taken.
   - **Connections**—the number of FTP connections.
   - **MBytes**—the number of megabytes transferred.
   - **% of Usage**—the percentage of megabytes transferred during this day, compared to the time period. For example, if 10,000 megabytes of FTP data was transferred during the time period and 2,500 megabytes of FTP data was transferred on one day, the **% of Usage** field will display 25%.
6. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing the Top Users of FTP Bandwidth Over Time

The By Users Over Time report displays the users who used the most FTP bandwidth for the specified time period.

To view the By Users Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **FTP Usage** tree and click **By Users Over Time**. The By Users Over Time page displays.




4. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Events**—the number of FTP Events.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred by this user, compared to all users. For example, if 10000 megabytes of data was transferred during the period and 2000 megabytes was transferred by the top user, the **% of MBytes** field will display 20%.
5. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.

6. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Number of Sites per User**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
7. To display a limited group of users, use the Search Bar fields.



**Note** The search bar fields use pattern matching with operators such as “contains”. For example, “john” will match john_smith, john42, or big_john.

8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing Mail Usage Reports

Mail usage reports provide information on the amount of mail usage that occurs through the selected SonicWALL appliance(s).

Mail usage reports can be used to view mail bandwidth usage by the hour, day, or over a period of days. Additionally, you can view the top users of mail bandwidth.



**Note** Mail usage reports include SMTP, POP3, and IMAP traffic.

General bandwidth reports do not always provide a complete picture of network bandwidth usage. If a large amount of mail traffic occurs during peak times, you might want to take some of the following actions:

- Add bandwidth
- Upgrade network equipment
- Ask employees to use compression or transfer large files during non-peak times
- Ask employees to place large files on an FTP site rather than sending them as mail attachments.



**Note** All reports appear in the appliance's time zone.

Select from the following:

- To view a summary of the daily mail usage, see "Viewing the Mail Usage Summary Report" on page 232.
- To view the users who consume the most mail bandwidth, see "Viewing the Top Users of Mail Bandwidth" on page 234.
- To view mail usage over a period of time, see "Viewing Mail Usage Over Time" on page 235.
- To view the users who consume the most mail bandwidth over time, see "Viewing the Top Users of Mail Bandwidth Over Time" on page 237.

# Viewing the Mail Usage Summary Report

The Mail Usage Summary report contains information on the amount of mail handled by a SonicWALL appliance or all SonicWALL appliances during the specified day.

To view the Mail Usage Summary report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.

3. Expand the **Mail Usage** tree and click **Summary**. The Summary page displays.




4. The bar graph displays the amount of mail sent and received during each hour of the day.
5. The table contains the following information:
   - **Hour**—when the sample was taken.
   - **Events**—the number of mail events.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred during this hour, compared to the day. For example, if 10,000 megabytes of mail was transferred during the day and 1,000 megabytes was transferred at the 12:00 time period, the **% of MBytes** field will display 10%.
6. The ViewPoint Reporting Module shows yesterday's report. To change the date of the report or the report display settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

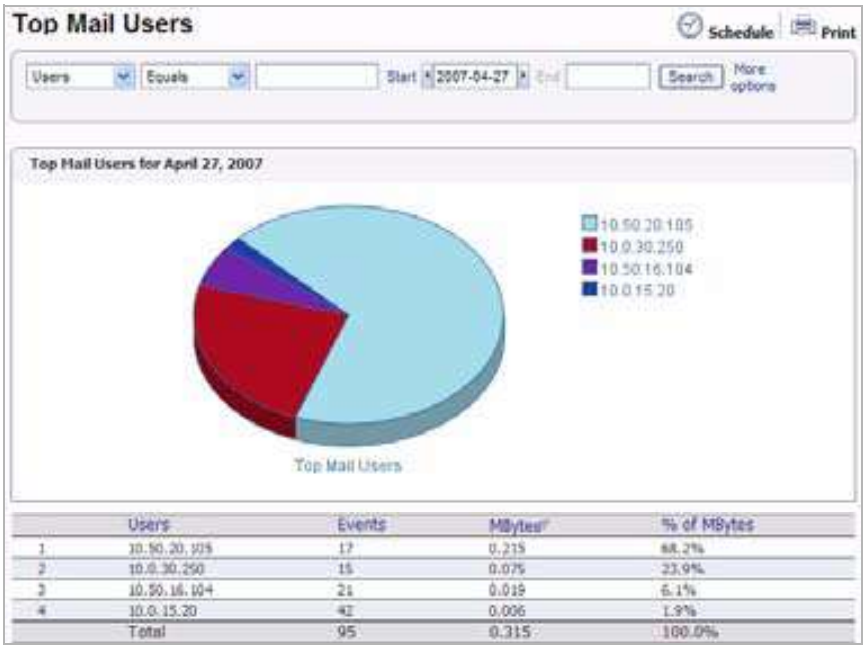
   See "Managing Report Settings" on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date.

# Viewing the Top Users of Mail Bandwidth

The Top Users report displays the users who sent and received the most mail on the specified date.

To view the Top Users report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Mail Usage** tree and click **Top Users**. The Top Users page displays.




4. The pie chart displays the percentage of mail sent and received by the top mail users.
5. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Events**—the number of mail messages sent and received.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred by this user, compared to all users. For example, if 10000 megabytes of data was transferred during the day and 2000 megabytes was transferred by the top user, the **% of MBytes** field will display 20%.

6. By default, the ViewPoint Reporting Module shows yesterday's report, a pie chart, and the ten top users. To change the date of the report or the report display settings, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

   See "Managing Report Settings" on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date.

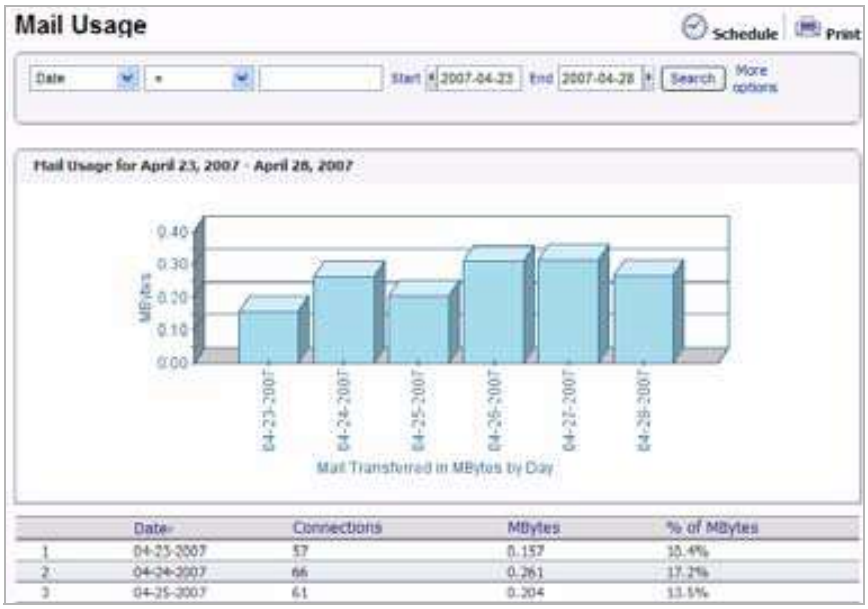
# Viewing Mail Usage Over Time

The Mail Usage Over Time report displays the daily amount of mail handled by a SonicWALL appliance or all SonicWALL appliances for the specified time period.

To view the Mail Usage Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.

3. Expand the **Mail Usage** tree and click **Over Time**. The Over Time page displays.




4. The bar graph displays the amount of mail sent and received during each day of the specified time period.
5. The table contains the following information:
   - **Date**—when the sample was taken.
   - **Connections**—the number of mail messages.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred by this user, compared to all users. For example, if 10000 megabytes of data was transferred during the day and 2000 megabytes was transferred by the top user, the **% of MBytes** field will display 20%.
6. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type: Area, Bar** or **Plot chart**

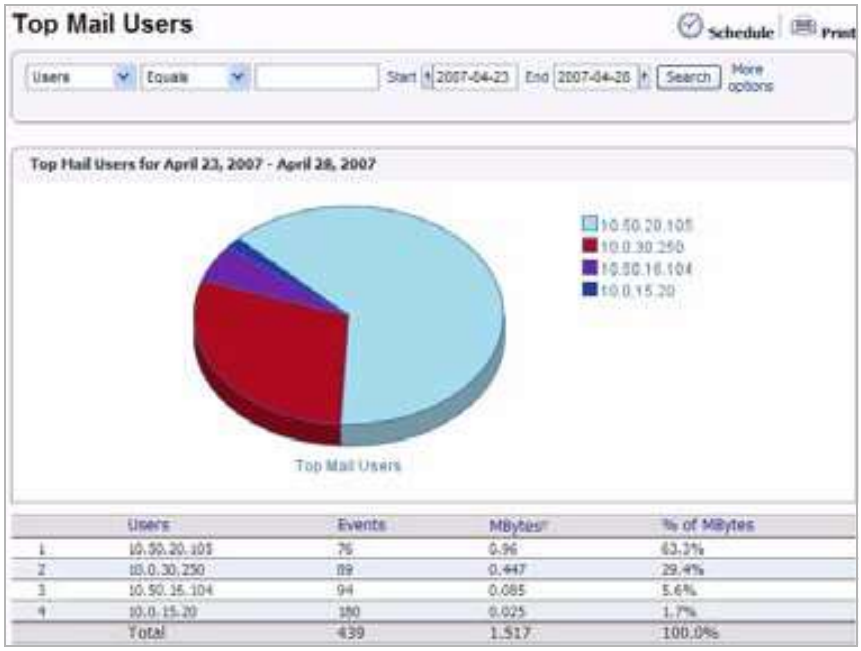
   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing the Top Users of Mail Bandwidth Over Time

The Top Users Over Time report displays the users who sent and received the most mail during the specified time period.

To view the Top Users Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **Mail Usage** tree and click **Top Users Over Time**. The Top Users Over Time page displays.




4. The pie chart displays the percentage of mail sent and received by the top mail users.
5. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Events**—the number of mail messages sent and received.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred by this user, compared to all users. For example, if 10,000 megabytes of data was transferred during the period and 2000 kilobytes was transferred by the top user, the **% of MBytes** field will display 20%.

6. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

   See “Managing Report Settings” on page 154.
8. To display a limited group of users, use the Search Bar fields.

   The search bar fields use pattern matching with operators such as “contains”. For example, “john” will match john_smith, john42, or big_john.
9. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing VPN Usage Reports

VPN Usage reports provide information on the amount of VPN usage that occurs through the selected SonicWALL appliance(s).

VPN Usage reports can be used to view VPN usage by the hour, day, or over a period of days. Additionally, you can view the top users of VPN.

General bandwidth reports do not always provide a complete picture of network bandwidth usage. If a large amount of VPN traffic occurs, you might need to add bandwidth, upgrade network equipment, or reconfigure the VPN network.



**Note** All reports appear in the appliance’s time zone.

Select from the following:

- To view a summary of the daily VPN bandwidth usage, see “Viewing the VPN Usage Summary Report” on page 239.
- To view the users who consume the most VPN bandwidth, see “Viewing the Top VPN Users” on page 241.
- To view VPN bandwidth usage over a period of time, see “Viewing VPN Usage Over Time” on page 242.

- To view the users who consume the most VPN bandwidth over time, see “Viewing VPN Usage Over Time” on page 242.
- To view the users who consume the most VPN bandwidth over time, see “Viewing the Top VPN Users Over Time” on page 243.
- To view VPN usage by policy, see “Viewing VPN Usage By Policy” on page 245.
- To view VPN usage by policy over time, see “Viewing the Top VPN Policies Over Time” on page 246.
- To view hourly VPN usage by policy, see “Viewing Hourly VPN Usage By Policy” on page 248.
- To view VPN services usage, see “Viewing the VPN Services Summary Report” on page 249.

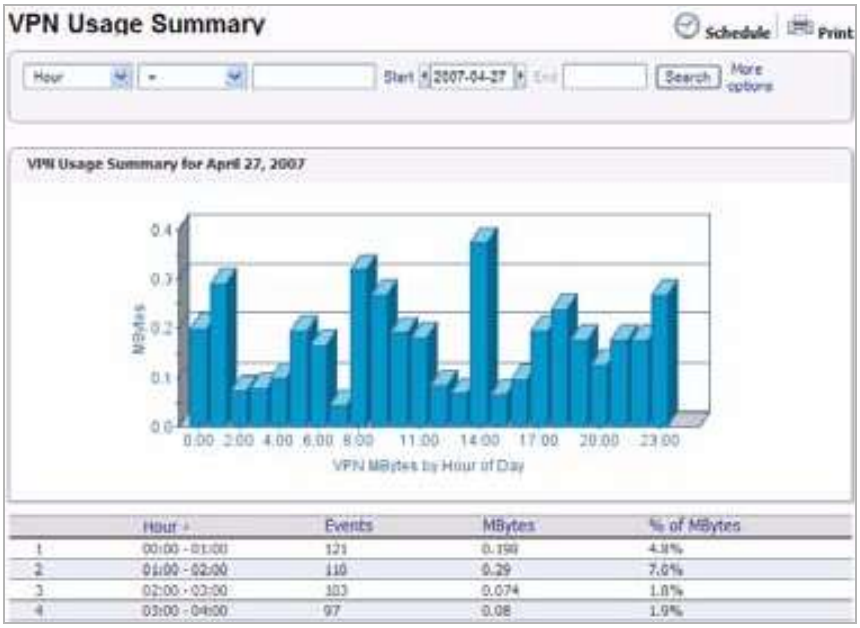
# Viewing the VPN Usage Summary Report

The VPN Usage Summary report contains information on the number of VPN connections made through a SonicWALL appliance or all SonicWALL appliances during the specified day.

To view the VPN Usage Summary report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.

3. Expand the **VPN Usage** tree and click **Summary**. The Summary page displays.




4. The bar graph displays the number of VPN connections made during each hour of the day.
5. The table contains the following information:
   - **Hour**—when the sample was taken.
   - **Events**—the number of mail events.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred by this user, compared to all users. For example, if 10,000 megabytes of data was transferred during the period and 2000 kilobytes was transferred by the top user, the **% of MBytes** field will display 20%.
6. The ViewPoint Reporting Module shows yesterday's report. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

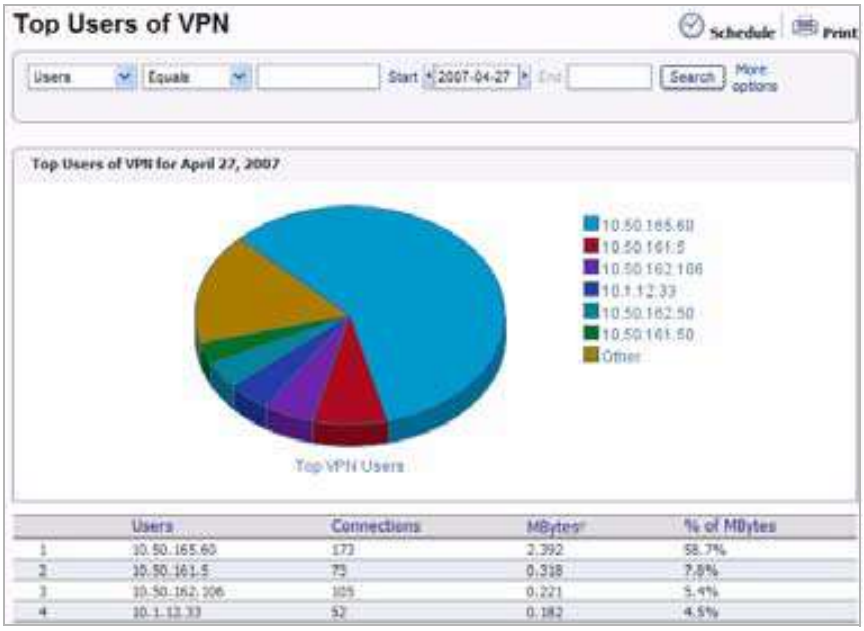
   See "Managing Report Settings" on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing the Top VPN Users

The Top Users report displays the users who made the most VPN connections on the specified date.

To view the Top Users report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.
3. Expand the **VPN Usage** tree and click **Top Users**. The Top Users page displays.




4. The pie chart displays the VPN connections for the top VPN users.
5. The table contains the following information:
   - **Users**—the IP address of the user.
   - **Connections**—the number of VPN connections.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred by this user, compared to all users. For example, if 10,000 megabytes of data was transferred during the period and 2000 kilobytes was transferred by the top user, the **% of MBytes** field will display 20%.
6. By default, the ViewPoint Reporting Module shows yesterday's report, a pie chart, and the ten top users. To change the date of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.

7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar**, **Pie** or **Plot** chart
   - **Number of Users**
   - **Rows per Screen**

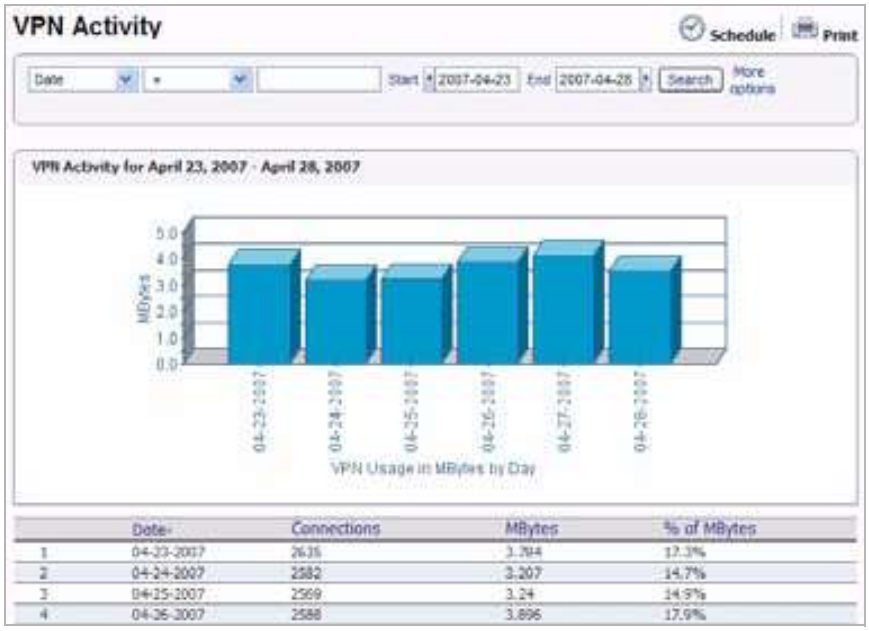
   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date.
9. These settings will stay in effect for all similar reports during your active login session.

# Viewing VPN Usage Over Time

The VPN Usage Over Time report displays the daily number of VPN connections made through a SonicWALL appliance or all SonicWALL appliances during the specified time period.

To view the VPN Usage Over Time report, perform the following steps:

1. Click the **UTM** tab.
2. Select the global icon or a SonicWALL appliance.
3. Expand the **VPN Usage** tree and click **Over Time**. The Over Time page displays.






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4. The bar graph displays the number of VPN connections made during each day of the specified time period.
5. The table contains the following information:
   - **Date**—when the sample was taken.
   - **Connections**—the number of connections.
   - **MBytes**—the number of megabytes transferred.
   - **% of MBytes**—the percentage of megabytes transferred by this user, compared to all users. For example, if 10,000 megabytes of data was transferred during the period and 2000 kilobytes was transferred by the top user, the **% of MBytes** field will display 20%.
6. To change the date range of the report, use the Search Bar and click the **Start** or **End** field to access the drop-down calendar, or click **More Options** for report display settings.
7. Under Report Display Settings you can set:
   - **Display Type**: **Chart and Table**, or **Table Only**
   - **Chart Type**: **Area**, **Bar** or **Plot** chart

   See “Managing Report Settings” on page 154.
8. When you are finished, click **Search**. The ViewPoint Reporting Module displays the report for the selected date range.

# Viewing the Top VPN Users Over Time

The Top Users report displays the users who made the most VPN connections for the specified time period.

To view the Top Users report, perform the following steps:

1. Click the **UTM** tab.
2. Select a SonicWALL appliance.