ActiveAnalytics
A Business Intelligence Solution for MFT Server

User Guide
August 2021: Version 1.0

Advanced Systems Concepts, Inc.
http://www.advsyscon.com
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Introduction

ActiveAnalytics is a BI reporting and analytics platform that allows you to track the performance of your MFT Server environment. You can monitor key performance indicators through the dashboard, and easily drill down into the supporting reports for in-depth data. This guide assumes you are familiar with MFT Server terms and concepts.

This guide covers:

- Client system requirements
- How to login to ActiveAnalytics
- The four key ActiveAnalytics pages: Dashboard, Triggers, Logins and Transfers
  - How to access and navigate the pages
  - A description of the page’s data
  - How to set page-specific filter(s)
- How to set the global date/time filter
- Where to locate version information
Client Requirements

All user actions for ActiveAnalytics (e.g. system administration, consuming content, etc.) are done using an industry standard web browser. There are no client applications to install on the user's computer.

The client machine is where a user will connect to ActiveAnalytics from. Some ActiveAnalytics reports can be large and it requires memory and processing power to render them in a browser. ActiveAnalytics also makes extensive use of JavaScript. This code is run in the browser and requires some processing power to execute.

It is difficult to recommend a specification for a client machine, as each user will have different programs (with different memory and CPU requirements) running on their desktop computers simultaneously. The following can be used as a guide, but it’s assumed that there are no other resource intensive processes running on the computer.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Recommended Minimum Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client Processor</td>
<td>1 x 2Ghz Dual Core (4 thread) CPU or equivalent</td>
</tr>
<tr>
<td>Client RAM</td>
<td>4 GB</td>
</tr>
<tr>
<td>Web Browser</td>
<td>Supported browsers include:</td>
</tr>
<tr>
<td></td>
<td>● Chrome</td>
</tr>
<tr>
<td></td>
<td>● Firefox 2+</td>
</tr>
<tr>
<td></td>
<td>● Microsoft Edge</td>
</tr>
<tr>
<td></td>
<td>● Opera 8+</td>
</tr>
<tr>
<td></td>
<td>● Safari 2+</td>
</tr>
</tbody>
</table>

Please note that Microsoft is phasing out support for its Internet Explorer 11 browser. As a result, ActiveAnalytics software is not supported on IE11. Users who access ActiveAnalytics via IE11 might be presented with a splash screen when the application starts up, warning users that the browser is out-of-date and no longer supported. Users can click on the continue button to access ActiveAnalytics, but full functionality will not be available.
Login to ActiveAnalytics

To login, go to the entry page for your installation of ActiveAnalytics within your web browser. This is accomplished by using a supported web browser and entering http://ActiveAnalyticsServer:port (e.g. http://localhost:8080). The ActiveAnalytics server is the name of the server that ActiveAnalytics has been installed on. The port is set by the user who installed ActiveAnalytics.

The username and password should be provided to you by the ActiveAnalytics System Administrator. Use this to login.

The first time logging in, you will be prompted to configure your user profile. See a sample image below.
User Profile

The only required change you need to make is to update your password. Enter the current password, then enter the new password twice. The remaining user profile fields can remain as-is.
Click the “Save Personal Settings” button to save your profile and continue. Please note that the next time you log into ActiveAnalytics, the dashboard will be the default entry page.

Next, click on the ‘Browse More” link depicted in the image below.

Next, you will see one or more dashboards appear on the webpage. There may be multiple dashboards if your organization has multiple MFT Server instances that ActiveAnalytics will be reporting on. In the image below, there is one dashboard named MFT Analytics Dashboard. This is the default dashboard name, but it can be changed by an ActiveAnalytics System Administrator.

To open the dashboard, double-click anywhere within the MFT Analytics Dashboard image as depicted above. Alternatively, if you mouse over the MFT Analytics Dashboard image, three vertical dots will appear in the lower right-hand corner of the image. Clicking on the dots will result in a pop up window displaying menu options, where “Open”, or “Open in new tab” can be selected.
After opening the dashboard, ActiveAnalytics will display MFT Server data based on the configurable date/time filter, which by default is “last 24 hours”. Initially, you may see rotating circle images in various sections of the dashboard, which are visual indicators that data is currently being processed. In addition, the first time you access the dashboard you will be prompted to add the dashboard to your favorites.

If you add the dashboard to your favorites, it will appear under “My Dashboards” (after the page is reloaded) as depicted in the image below.

Please note, if you click on the sidebar menu option named “Browse” as depicted in the image above, it will display several sub menu items where only “Dashboards” is supported in this release of ActiveAnalytics. All other sub menu items should be ignored. The “Browse All”, and “Reports” menu options will display reports used by the dashboard under-the-hood. Accessing the reports outside of the dashboard is not supported, nor is modifying the existing dashboard reports or adding new ones.
Active Analytics Dashboard Headings

At the top of the webpage you will see (4) prominent horizontal hyperlink headings. The headings include Dashboard, Triggers, Logins and Transfers. Dashboard is the default page. These headings are always visible as you navigate through the dashboard. The currently active page is underlined.

This guide describes how to navigate through the dashboard, and discusses the content and features of each page, one page at a time, from top to bottom.

Let’s start by reviewing the Dashboard page.
The Dashboard Page

The Dashboard page provides summary data for MFT Server's key performance indicators.

The key performance indicators are grouped together providing summary data as follows:

- **Transfers** - Includes combined and individual transfer totals for downloads and uploads.
- **Triggers** - Includes combined and individual totals for successful, cancelled and failed triggers, also depicted in a complementary line graph.
- **Logins**
  - Includes total admin logins and the percentage that were failures.
  - Includes total logins, which is the sum of client logins (success and failure) plus the number of blocked IPs. It also includes the percentage of failed logins, which is calculated by dividing the total failed client logins by the total logins.
  - Includes the number of blocked IPs and a total, where the total is the sum of blocked IPs plus the total number of failed client logins.
Most of the dashboard information is displayed in distinguishable sections that consist of horizontal rectangles that primarily display textual data. One exception is a dashboard line graph. Many of the rectangles are hyperlinks. The dashboard links are listed below, followed by the heading on the page (in italics) that you will see when the link is selected and the page loads.

- Downloads, Uploads - Transfer Overview <Downloads or Uploads>
- Failed Triggers, Cancelled Triggers, Successful Triggers - Trigger Overview
- Admin Logins, Logins - Login Overview <Admin or Client>
- Blocked IP’s - Does not load a new page, but rather a window pops up with Blocked IP details.

The overview pages mentioned above can also be loaded by clicking on the desired textual hyperlink heading located at the top of the entry page. The data you see may vary when the topic is accessed via the hyperlink heading versus when using a dashboard hyperlink.

For example, if you click on the dashboard’s Successful Triggers link as outlined in red below, the Trigger Overview page will load, limiting the scope of most of the data to successful triggers only.

Alternatively, if you access the Trigger Overview page by clicking on the Triggers hyperlink heading as depicted below, the scope of the data, in all the various ways it is presented, will not be limited to any one particular trigger status.

The Triggers, Logins and Transfers pages are described next. This guide will discuss what you can expect to see on each page when the topic is initially selected by clicking on the heading hyperlink. At the end of each section, there will be a description of what to expect if the topic is accessed via a dashboard link.
A note about page-specific filters

The Triggers, Transfers and Logins overview pages support setting filter(s) specific to the data on their respective pages. This is in addition to the global date/time filter.

- When page-specific filter(s) are set on the Triggers or Transfers overview pages:
  - The filters are reset only when a user resets them, or when the page is reloaded.

- When page-specific filter(s) are set on the Logins overview page:
  - Three out of four filters are reset when you leave the page (e.g. toggle back and forth between the topmost hypertext headings, or if you access the page via the Dashboard links). The filter that is not reset is the Client Logins > Top Users filter. Filters are also reset when a user resets them, or when the page is reloaded.

The global date/time filter is not reset unless you reload the page, or click on the filter’s reset link, or select a new date/time option from the filter’s dropdown menu.
The Trigger Overview Page

The Trigger Overview page provides summary and detailed information regarding MFT Server triggers. The (2) images depicted below are what you can expect to see when clicking on the “Triggers” hyperlink heading.
An MFT Server trigger is a feature that provides a way for Admins to automate processes when an MFT Server event occurs. For example, when a file is uploaded to the MFT Server (the event), it is renamed (the automated process). When an automated process runs, it could complete successfully, fail or be cancelled. What you will see on the Triggers Overview dashboard page is compiled data for triggers and their statuses.

The Trigger Overview page organizes data in 3 distinct sections, which this guide refers to as the top, middle and bottom panels. Keep in mind that the data you see initially will be triggers that occurred within the “last 24 hours”, which is the default date/time filter. In addition to the date/time filter, two sections on the Trigger Overview page support setting an optional “Keep” filter. If set, the filter will impact all the Trigger Overview data except the topmost trigger status counts and the accompanying line graph.

Let’s discuss the Trigger Overview page from top to bottom.
Top Panel - Summary Data: Status Counts and Line Graph

The top panel consists of a count for each final trigger status as well as a combined total, and the percentage of triggers that have failed. It also includes an accompanying line graph. See the image below. This is the same summary information displayed on the Dashboard page.

The graph offers a color-coded visual representation of trigger statuses and the date and time that the trigger(s) occurred. An interactive vertical line will appear as you move your mouse within the graph to the right or left - to go forward or back in time. As the trigger status count changes, a status count will pop up within the graph, as depicted in the image above.
Middle Panel - Trigger Status Ring Chart, Top Domains, and Top Triggers Bar Chart

The middle panel consists of 3 distinct sections. Let's look at each of them.

Trigger Status Ring Chart

Located in the top left of the middle panel is a ring chart, providing you with color-coded trigger status counts and percentages. In addition to the final statuses - failed, successful and cancelled, you may also see interim trigger statuses which include running, queued and paused.

When you mouse over a status in the ring chart, summary information (a count and percentage) pops up for the selected status (see the left image below). If your mouse remains stationary for a couple of seconds on any given trigger status within the ring, or if you click on a status, the status is selected. This results in the pop-up information changing from what you initially see in the left image, to what you see in the right image.
The right image includes the same summary information for the currently selected status. Newly added is the Filter menu option. If you mouse over this menu option, the menu item “Keep” will appear. If the keep filter is set, the Filter menu will be updated to include a “Reset” option. Click the “x” to close out the window without setting or resetting a filter.

Filter - This filter allows you to keep one of the trigger statuses in the ring chart, which means the remaining statuses will be excluded. Only one status can be selected for the filter.

After selecting a status to filter on, mouse over the Filter menu option and select Keep. When the filter is set, the Trigger Overview page will be updated as follows:

- The Trigger Status ring chart will display only the selected (kept) trigger status and its respective count.
- The Top Triggers bar chart will automatically update and display only the top triggers that meet the filter criteria. Only the selected (kept) trigger status will be displayed in the bar chart, and any other statuses that do not match the filter criteria are removed. This is not the same as setting a separate filter for Top Triggers, which is supported and discussed later in this section. If a filter is set on the Top Triggers bar chart, it is respected (kept in place) when a Trigger Status ring chart filter is set.
- The Top Domains count will automatically update and display only the domains and their respective trigger counts that meet the filter criteria.
- The tabular data at the bottom of the page will automatically update and display only the trigger records that meet the filter criteria.

Reset Filter - When this Filter menu option is selected, the Trigger Status ring chart filter is removed and all the affected data is refreshed.

Top Domains

The Top Domains section is located under the Trigger Status ring chart. This section displays a total trigger count for each MFT Server domain. If you only have one domain where trigger activity occurred, then that is all you will see. You have the option to sort by domain name or count. You can sort the data by clicking on the down arrow to the right of the desired column heading, then selecting the sort menu option. The Top Domains counts are automatically updated when a Trigger Status ring chart or Top Triggers bar chart filter is set or reset.
Top Triggers Bar Chart

The Top Triggers section consists of a horizontal bar chart, located to the right of the Trigger Status ring chart. Each bar in the chart represents an MFT Server trigger, identified by its name. Depending on how many different triggers occurred, you could see up to a maximum of 10 top triggers (the triggers with the most activity). Each top trigger bar in the chart depicts color-coded trigger status(s). The count for each Top trigger status is governed by the numbers listed along the chart’s horizontal axis.
If you mouse over a top trigger bar in the chart, you will initially see summary information for the trigger statuses you see depicted in the bar (see the leftmost image below). If your mouse remains stationary for a couple of seconds on a particular trigger status, or if you click a status in the bar, this results in the bar being selected. When selected, the summary information changes from what you initially see in the leftmost image, to what you see on the right.

In the above example, the mouse was pointing to the failed status within the bar (left image) when the bar was selected, resulting in the updated image on the right. Observe the newly added Filter menu option. If you mouse over it, the menu item “Keep” will appear. If the keep filter is set, the Filter menu will be updated to include a “Reset” option. Click the “x” to close out the window without setting or resetting a filter.

**Filter** - This filter allows you to select the top trigger(s) you wish to include in the bar chart. Any top triggers not selected will be excluded. You can set the filter to keep the currently selected top trigger only, or select more. To multi-select top triggers, select an initial top trigger, then press on your shift key, then click on the additional top trigger(s) in the bar chart you wish to keep. When selecting top triggers to keep, the status you click on within the bar does not matter. All statuses will remain after the filter is set unless you set a separate Trigger Status ring chart filter. If you select more than one top trigger, the pop-up window is updated to display the number of values selected, as depicted in the image below. There should be one value for each top trigger included in the filter. In this example, two top triggers were selected. When you are done making your top trigger selections, mouse over the Filter menu option, then click on Keep.
When the filter is set, the Trigger Overview page will be updated as follows:

- The Top Triggers bar chart will display only the top triggers that have been kept using the filter.
- The Trigger Status ring chart will automatically update and display only the trigger statuses that are included in the filtered top triggers. This is not the same as setting a separate filter on the Trigger Status ring chart, which is supported. If a filter is set on the Trigger Status ring chart, it is respected (kept in place) when a Top Trigger bar chart filter is set.
- The Top Domains count will automatically update and display only the domains and their respective trigger counts that meet the filter criteria.
- The tabular data in the bottom panel will automatically update and display only the trigger records that meet the filter criteria.

**Reset Filter** - When this filter menu option is selected, the Top Triggers bar chart filter is removed and all the affected data is refreshed.
Bottom Panel - List of Triggers

The bottom panel displays detailed trigger data in a row/column format. The table will include one record for each trigger. The columns include Domain name, Trigger Name, Status, Event ID, Start and End times, and Runtime. You can sort the data by clicking on the down arrow to the right of the desired column heading, then selecting the sort menu option.

The tabular data is automatically updated when the ring and/or bar chart filter on this page is set or reset.

<table>
<thead>
<tr>
<th>Domain</th>
<th>Trigger</th>
<th>Status</th>
<th>Event ID</th>
<th>Start Time</th>
<th>End Time</th>
<th>Runtime (ms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFTServer1</td>
<td>RunProcess</td>
<td>Successful</td>
<td>7ce35020-d46a-4352-9984-99cde6ea08ca</td>
<td>07/15/2021 7:35 PM</td>
<td>07/15/2021 7:36 PM</td>
<td>60,045</td>
</tr>
<tr>
<td>MFTServer1</td>
<td>Copy File</td>
<td>Successful</td>
<td>7ca35020-d46a-4352-9984-99cde6ea08ca</td>
<td>07/15/2021 7:35 PM</td>
<td>07/15/2021 7:35 PM</td>
<td>23</td>
</tr>
<tr>
<td>MFTServer1</td>
<td>RunScript</td>
<td>Failed</td>
<td>f169fe29-d1d4-46f3-b3f7-d0abb831a9b6</td>
<td>07/15/2021 7:31 PM</td>
<td>07/15/2021 7:32 PM</td>
<td>60,049</td>
</tr>
<tr>
<td>MFTServer1</td>
<td>RunProcess</td>
<td>Successful</td>
<td>f169fe29-d1d4-46f3-b3f7-d0abb831a9b6</td>
<td>07/15/2021 7:31 PM</td>
<td>07/15/2021 7:32 PM</td>
<td>60,046</td>
</tr>
<tr>
<td>MFTServer2</td>
<td>DeleteFile</td>
<td>Successful</td>
<td>f169fe29-d1d4-46f3-b3f7-d0abb831a9b6</td>
<td>07/15/2021 7:31 PM</td>
<td>07/15/2021 7:32 PM</td>
<td>60,037</td>
</tr>
</tbody>
</table>
Accessing the Trigger Overview Page Through the Dashboard Page

The Dashboard page provides you with links to access to the Trigger Overview page. The dashboard links include Failed Triggers, Cancelled Triggers and Successful Triggers, as depicted in the image below.

- Failed Triggers
- Cancelled Triggers
- Successful Triggers

When clicking on a dashboard’s Trigger Status link, the Triggers Overview page will load. The topmost summary data and its accompanying line graph will not be displayed any differently when accessing the data this way, but the remaining data will be affected. The Trigger Status ring chart and the Top Triggers bar chart will only display data that matches the status link you clicked on. The Top Domains count will only include in its count the triggers that match the status selected. Lastly, the detailed tabular data will only display records for the selected trigger status.

If filters had previously been set by the user on the Trigger Status ring chart and/or the Top Triggers bar chart before accessing the Triggers Overview page through the dashboard, they are respected. Therefore, it is possible that no data will be returned when accessing a particular trigger status through the dashboard (despite see counts for the status), if an existing filter excludes the selected status.

Please note that if you select a trigger status through the Dashboard page, you must log out of the application and login again to see totals for all three trigger statuses.
The Login Overview Page

The Login Overview page provides summary and detailed login information for clients and administrators that have access to the MFT Server. The (2) images depicted below are what you can expect to see when clicking on the “Logins” hyperlink heading. Details for client logins are displayed by default. This is noted in the page's title - "Login Overview - Client". There are buttons on the page that allow you to toggle back and forth between client and admin login statistics.
A client is any user you have configured on the MFT Server domain-level that is a valid account that may login to the Domain’s service. An admin is an MFT Server Administrator, which is someone who connects to the MFT Server Admin application to manage the environment.

The Login Overview page organizes data in 3 distinct sections, which this guide refers to as the top, middle and bottom panels. Keep in mind that the data you see initially will be logins and blocked IPs that occurred in the “last 24 hours”, which is the default date/time filter.

In addition to the date/time filter, two sections on the Logins Overview page support setting an optional “Keep” filter, created separately for client and admin data. If additional filters are set, it will be applied to all the client or admin Login Overview data except the top panel data (login counts, failure percentages and blocked IPs).

Let’s discuss the Login Overview page from top to bottom.
Top Panel - Summary Data: Admin Logins, Logins, and Blocked IP’s

The top panel provides data for Admin Logins (left rectangle), Logins (middle rectangle) and Blocked IP’s (right rectangle). This is the same summary information that is displayed on the Dashboard page.

- The admin logins summary data includes the total number of admin logins and the percentage that failed.
- The logins summary data includes a total, which is the sum of client logins (success and failure) plus the number of blocked IPs (the red number displayed above the blocked IPs label). Logins also provides the percentage of login failures, which is the total number of client login failures divided by the above described total.
- The blocked IPs summary data includes the total number of blocked IPs (the red number displayed above the label) and a total, where the total is the sum of blocked IPs plus the total number of failed client logins.
  - If you wish to see detailed Block IPs data, click anywhere in the Blocked IPs rectangle (it is a link). A window will pop up displaying information about the blocked IPs, which includes Date, Client IP, Server Message and Status. See an example image below. Click on the “X” to remove the Blocked IPs information from the page.
Middle Panel - Login Status and Top Users

The middle panel consists of 2 distinct sections. Let's look at each of them.

Login Status Ring Chart

Located on the left-hand side of the middle panel is a Login Status ring chart, providing you with color-coded login status counts/percentages for successful and failed logins.

The ring chart provides the same type of information for client and admin logins. You can toggle back and forth between the client and admin statistics by clicking on the desired button located just above the middle panel. The currently active button has a blue background.

When you mouse over a login status in the ring chart, summary information (a count and percentage) pops up for the selected status (see the left image below). If your mouse remains stationary for a couple of seconds on a particular login status within the ring, or if you click on a
status, the status is selected. This results in the pop-up window changing from what you initially see in the left image below, to what you see in the right image.

The right image includes the same status summary information for the currently selected status. Newly added is the Filter menu option. If you mouse over this menu option, the menu item “Keep” will appear. If the keep filter is set, the Filter menu will be updated to include a “Reset” option. Click the “x” to close out the window without setting or resetting a filter.

**Filter** - This filter allows you to select one of the login statuses (success or failure) that you would like to keep (include) in the ring chart, thereby excluding the remaining status. Only one status can be selected for the filter.

When set, the filter will be applied to the currently selected user type - client or admin. If you wish to set a Login Status ring chart filter for both client and admins, you will need to set two filters, one for each user type. After selecting success or failed in the Login Status ring chart, mouse over the Filter menu option, then click on Keep.

When the filter is set, the following will be updated on the Logins Overview page:

- The Login Status ring chart will display only the selected (kept) login status and its associated count.
- The Top Users bar chart will automatically update and display only the top users (client or admin) that meet the filter criteria. Only the selected login status will be displayed in the bar chart, and any other statuses that do not match the filter criteria are removed. This is not the same as setting a separate filter for Top Users, which is supported and discussed later in this section. If a filter is set on the Top Users bar chart, it is respected (kept in place) when a Login Status ring chart filter is set.
  - Admin Top Users Bar Chart Exception: In the Top Users bar chart, only successful logins are depicted in the chart for admins. You will not see failed admin logins represented in the bar chart. This is due to a design limitation.
Consequently, if the Login Status ring chart filter is set to “failed”, the Admin Top Users bar chart will return no results.

- The tabular data at the bottom of the page will automatically update and display only the Login records (Admin or Client) that meet the filter criteria.

**Reset Filter** - When this filter menu option is selected, the Login Status ring chart filter is removed for the Client or Admin, depending which user type is active when the reset option is used. All the affected data is refreshed. Please note this filter is also reset by the system, for both clients and admins, if you leave the page.

**Top Users Bar Chart**

The Top Users section consists of a vertical bar chart, located to the right of the Login Status ring chart. Each bar in the chart represents a Top User, whether it be a client or an admin, depending on the user type selected. The bar chart depicts the number of logins along the vertical axis. The client or admin is identified by its name in the bar chart. Depending on how many different users there are, you could see up to a maximum of 10 top users (the users with the most login activity).

Each top user bar in the chart depicts a color-coded login status, success and/or failure for Clients, and *success only* for Admins, due to a design limitation. The count for failed admin logins (if any) is available in other sections on the page, but the user name associated with the failure(s) is not.

Using client data as an example, when you mouse over a bar in the chart, you will initially see summary information for any login statuses that occurred for the named client user (see the leftmost image below). “Not logged” indicates a login failure, and “logged in” indicates a login success. If your mouse remains stationary for a couple of seconds on a particular login status, or if you click a status in the bar, the bar is selected. When selected, the image will change from what you initially see in the leftmost image, to what you see on the right.
In the above example, the mouse was pointing to the failed status within the bar (left image) when the bar was selected, resulting in the updated right image depicted above. Observe the Filter menu option. If you mouse over this menu option, the menu item “Keep” will appear. If the keep filter is set, the Filter menu will be updated to include a “Reset” option. Click the “x” to close out the window without setting or resetting a filter.

**Filter** - This filter allows you to select the top user(s) you wish to include in the bar chart. Any top users not selected will be excluded. You can set the filter to keep the currently selected top user only, or select more. To select more, select an initial top user, then press on your shift key, then click on the additional top user(s) in the bar chart you wish to keep. When selecting top users to keep, the status you click on within the bar does not matter. All statuses will remain after the filter is set unless you set a separate Login Status ring chart filter. After selecting more than one top user, the pop-up window is updated to display the number of values selected, as depicted in the image below. In this example, three top users were selected. When you are done making your top user selection(s), mouse over the Filter menu option, then click on Keep.

When the filter is set, the Logins Overview page will be updated as follows:

- The Top Users bar chart will display only the top users that have been kept using the filter.
- The Login Status ring chart will automatically update and display only the login statuses that are included in the filtered top users. This is not the same as setting a separate filter on the Login Status ring chart. If a filter is set on the Login Status ring chart, it is respected (kept in place) when a Top Users bar chart filter is set.
- The tabular data in the bottom panel will automatically update and display only the login records that meet the filter criteria.
**Reset Filter** - When this filter menu option is selected, the Top Users bar chart filter is removed for the client or admin only, depending on which user type you are resetting the filter for. All the affected data is refreshed. Please note this filter is also reset for admins only (by the system) if you leave the page. The client filter remains in place.
**Bottom Panel - List of Logins**

The bottom panel displays a detailed list of logins in a row/column format. The table will include records for client or admin logins, depending on which user type you are looking at.

The columns for admin logins include: Date, User Name, Host, Action and Description. In the Action column, the “administrator logged in” action is what is counted as a successful login, and the “administrator login failed” is what is counted as a failed login. Due to a design limitation, the “User Name” is not listed in the table when an admin login fails.

<table>
<thead>
<tr>
<th>Date</th>
<th>User Name</th>
<th>Host</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/15/2021</td>
<td>AdminAcct</td>
<td>127.0.0.1</td>
<td>administrator logged in</td>
</tr>
<tr>
<td>07/15/2021</td>
<td>AdminAcct</td>
<td>127.0.0.1</td>
<td>administrator logged out</td>
</tr>
</tbody>
</table>

The columns for client logins include: Date, Client IP, Client Port, Server IP, Server Port, Domain, Username, Client URL Stem, Server Status, Server Message, and Session ID.

In the Server Status column, the “logged in” status is what is counted as a successful login, and the “not logged” status is what is counted as a failed login.

<table>
<thead>
<tr>
<th>Date</th>
<th>Client IP</th>
<th>Client Port</th>
<th>Server IP</th>
<th>Server Port</th>
<th>Domain</th>
<th>Username</th>
<th>Client URL Stem</th>
<th>Server Status</th>
<th>Server Message</th>
<th>Session ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/15/2021</td>
<td>10.70.1204</td>
<td>59909</td>
<td>10.20.20.65</td>
<td>990</td>
<td>MFTServer</td>
<td>TestUser</td>
<td>MFTServer</td>
<td>logged in</td>
<td>FTP</td>
<td>4d1811fa5b5474e8018d960c</td>
</tr>
<tr>
<td>07/15/2021</td>
<td>10.70.1204</td>
<td>59909</td>
<td>10.20.20.65</td>
<td>990</td>
<td>MFTServer</td>
<td>TestUser</td>
<td>MFTServer</td>
<td>not logged</td>
<td>Invalid credentials</td>
<td></td>
</tr>
</tbody>
</table>

You can sort the data by clicking on the down arrow to the right of the desired column heading, then select the sort menu option.

Lastly, the tabular data is automatically updated when a Login Status ring chart and/or a Top Users bar chart filter is set or reset.
Accessing the Login Overview Page Through the Dashboard Page

The Dashboard page provides you with links to access the Login Overview page. The dashboard links include Admin Logins and Logins, as depicted in the image below.

![Failed Admin Logins and Failed Logins](image)

When clicking on either of the above links, the Logins Overview page will load. The topmost summary data will not be displayed any differently when accessing the page using the dashboard’s hyperlinks.

If (Failed) Admin Logins is selected from the dashboard link, the Login Overview page will load and display Admin login data, which is not the default user type when accessing the page using the Logins hyperlink heading. Therefore, the only difference between accessing the Login Overview page using the dashboard link versus the Logins hyperlink heading is the Admin data is initially displayed. Everything else is the same.

If filters are set by the user on the Login Status ring chart and/or the Top Users bar chart before accessing the Triggers Overview page through the dashboard, they will be reset.
The Transfer Overview Page

The Transfer Overview page provides summary and detailed information regarding MFT Server uploads and downloads. The (2) images depicted below are what you can expect to see when clicking on the “Transfers” hyperlink heading. Information for downloads are displayed by default. This is noted in the page’s title - "Transfer Overview - Downloads". There are buttons on the page that allow you to toggle back and forth between download and upload statistics.
The Transfer Overview page organizes data in 3 distinct sections, which this guide refers to as the top, middle and bottom panels. Keep in mind that the data you see initially will be transfers that occurred in the "last 24 hours", which is the default date/time filter. In addition to the date/time filter, the Transfer Overview page supports an optional "Keep" filter for top users. If set, the filter will be applied to all the data except the topmost transfer totals.

Let's discuss the Transfer Overview page from top to bottom.
Top Panel - Summary Data: Transfer Counts

The top panel consists of the total number of file transfers, and how many in that count are downloads or uploads. This is the same information displayed on the Dashboard page. See the image below.

![Transfer Overview - Downloads](image)
Middle Panel - Top Users: Bytes Transferred, Average Bytes Transferred, and Total Number of Transfers

The middle panel consists of top users and transfer statistics associated with them.

Top Users

This section displays file transfer information for a maximum of up to 10 top users (users with the most bytes transferred). On the left side you will see a Top Users horizontal bar chart, and on the right you will see combined data, depicted using vertical bar charts, relating to their file transfers.

The information provided is the same type of information for downloads and uploads (top users, bytes transferred, etc.). You can toggle back and forth between the download and upload statistics by clicking on the desired button located just above the middle panel. The currently active button has a blue background. If a filter is set to limit the number of top users included in the Top Users
bar chart, the filter remains in place when the Downloads or Uploads button is selected (the same filter is applied to both Downloads and Uploads).

Each bar in the Top Users chart represents an MFT Server user, identified by their name. Users are configured using the MFT Server Admin application.

Each bar depicts the total bytes transferred for each top user, as indicated by bytes labeled on the horizontal axis. On the right, you will see statistics that are displayed in 3 different vertical bar charts, which provide the following information:

- The total number of bytes transferred for all the top users.
- The average number of bytes transferred for all the top users.
- The total number of transfers for all the top users.

When you mouse over a top user's bar, a tooltip will appear, displaying the user's name and the amount of bytes transferred (see leftmost image below). If your mouse remains stationary for a couple of seconds on a particular top user's bar, or if you click on the bar, the bar will be selected. When selected, the pop-up window changes, as depicted in the rightmost image below, where a Filter menu option appears. If you mouse over this menu option, the menu item “Keep” will appear. If the keep filter is set, the Filter menu will be updated to include a “Reset” option. Click the “x” to close out the window without setting or resetting a filter.

**Filter** - This filter allows you to select the top user(s) you wish to include in the bar chart. Any users not selected will be excluded. You can set the filter to keep the currently selected user only, or select more. To multi-select top users, select an initial top user, then press on your shift key, then click on the additional top users(s) in the bar chart you wish to keep. The pop-up window is updated to display a count for the number of values (users) selected and their combined total of bytes transferred (see the image below).
After making your filter selections, mouse over the Filter menu option, then click on Keep. When the filter is set, the following will occur:

- The Top Users bar chart will only display top users you kept.
- The total and average bytes transferred, and the number of transfers will automatically update to include totals and an average based on the top users set in the filter.
- The bottom panel’s tabular data will automatically update to only include records that match the filter criteria.

**Reset Filter**- When this filter menu option is selected, the Top Users filter is removed from the bar chart and all the affected data is refreshed.
Bottom Panel - List of Transfers

The bottom panel displays detailed file transfer data in a row/column format. The table will include one record for each upload or download (depending on which view you are looking at). The columns in the table include the Date, Client IP, Client Port, Server IP, Server Port, Domain, Username, Server Status, and Server Message. You can sort the data by clicking on the down arrow to the right of the desired column heading, then selecting the sort menu option.

The tabular data is automatically updated when the Top Users bar graph filter is set or reset.

<table>
<thead>
<tr>
<th>Date</th>
<th>Client IP</th>
<th>Client Port</th>
<th>Server IP</th>
<th>Server Port</th>
<th>Domain</th>
<th>Username</th>
<th>Server Status</th>
<th>Server Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/07/2021 9:36 AM</td>
<td>127.0.0.1</td>
<td>1083</td>
<td>127.0.0.1</td>
<td>990</td>
<td>MFTServer1</td>
<td>TestUser1</td>
<td></td>
<td>file downloaded /UI_4DN.png:3:20317333</td>
</tr>
<tr>
<td>06/07/2021 9:35 AM</td>
<td>127.0.0.1</td>
<td>1059</td>
<td>127.0.0.1</td>
<td>990</td>
<td>MFTServer1</td>
<td>TestUser1</td>
<td></td>
<td>file downloaded /UI_3DN.png:3:8827000</td>
</tr>
</tbody>
</table>
Accessing the Transfer Overview Page Through the Dashboard Page

The Dashboard page provides you with links to access to the Transfer Overview page. The dashboard links include Downloads and Uploads as depicted in the image below.

When clicking on the dashboard’s Downloads link, the Transfer Overview page will look the same as when the page is accessed using the Triggers heading link. When clicking on the dashboard’s Uploads link, the Transfer Overview page will display Upload data initially, which is the only difference when accessing the page through the dashboard link. Everything else will look the same.

If a Top User bar chart filter is set before accessing the Triggers Overview page through the dashboard link, it is respected. Therefore, it is possible that no data will be returned when accessing uploads or downloads through the dashboard link (despite seeing counts as per the image above), if an existing top user filter results in no return data for either uploads or downloads.
Date/Time Filter

The Date/Time filter is applied to all the dashboard data, and will return data that falls within the date/time range specified. The default date/time filter is “last 24 hours”. If you click on the filter’s drop down arrow, you will see a list of canned options, some of which are depicted in the image below. The canned options should be labeled such that they are intuitive regarding the date/time range of data that will be returned. When you select an option, you must click apply to set the filter.
At the bottom of the date/time filter list, you will see a “Custom” option. When selected, you can enter a custom date/time range. To do this, click on the calendar icon to set up the start and end dates and times.

The leftmost calendar will update the top (start) Date textbox when you click on a date. The rightmost calendar will update the bottom (end) Date textbox when you click on a date. However, if this is the first time setting the custom date for this session (both Date textboxes are empty), clicking on the leftmost calendar will initially update both the start and end date textboxes with the same date. You can click on a date in the rightmost calendar to change the end date, if desired. After selecting the dates, manually enter the time (using the 24 hour clock format) in the time portion of the Date’s start and end date textboxes. Click Apply to save the date/time range.

Click on the filter’s Apply button, to apply the new custom Date/Time filter.
You must click Apply when setting a custom or canned date filter. The current filter will remain in place for all pages unless the page is reloaded, or another filter is set. The “Reset” option depicted in the image above will reset the filter back to the default “last 24 hours”. This option is only enabled when the filter is something other than the default. When clicking on Reset, it is not required that you click on the Apply button.

Notes:

1) How far back in time the dashboard data goes depends on the MFT Server’s domain(s) “logging” setting, established by an MFT Server Admin. Check with the Admin if you are uncertain why older data is not appearing in ActiveAnalytics Dashboard.

2) If you are experiencing any discrepancies in reporting data (and it is not due to the above mentioned logging configuration, but data appears to be missing when using some filters) please ask the MFT Server Admin to check the ActiveAnalytics Installation Guide for information about the MFT Server database timezone settings. This could be the reason for the discrepancy.
Version Information

The version of the ActiveAnalytics application you are running is displayed on the Login page, as depicted in the image below.

![Version Information Image]

The version of the ActiveAnalytics Dashboard you are running can be found by clicking on the ActiveAnalytics menu icon as shown below, then clicking on Browse, then Dashboards.
Click on Layout, then List. The version of the Dashboard is located in the Description column.

It is possible to have an ActiveAnalytics application version that is different from the Dashboard version.