Getting Started with the FA Client

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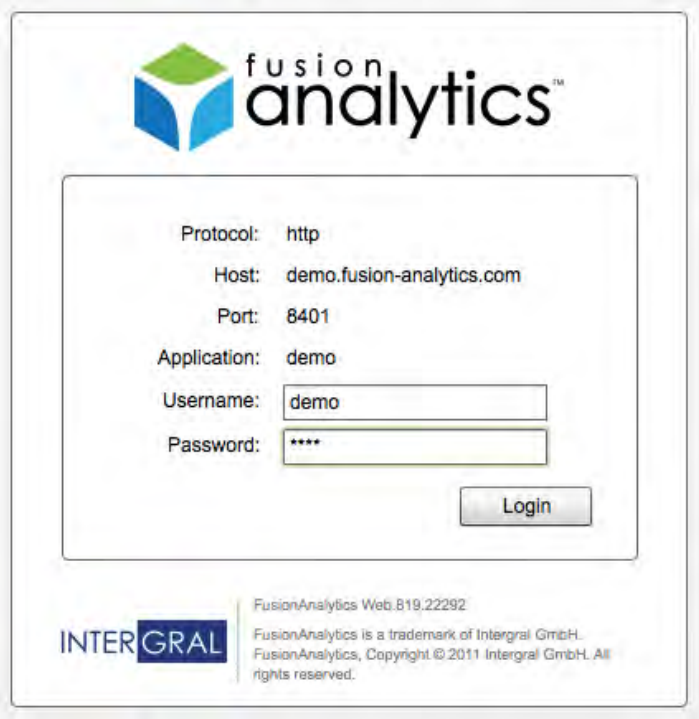
Login

After launching the The FusionAnalytics Web Client the first screen you will be taken to will be the login screen. Enter your log in credentials (Username and Password) here and click Login to enter the client.



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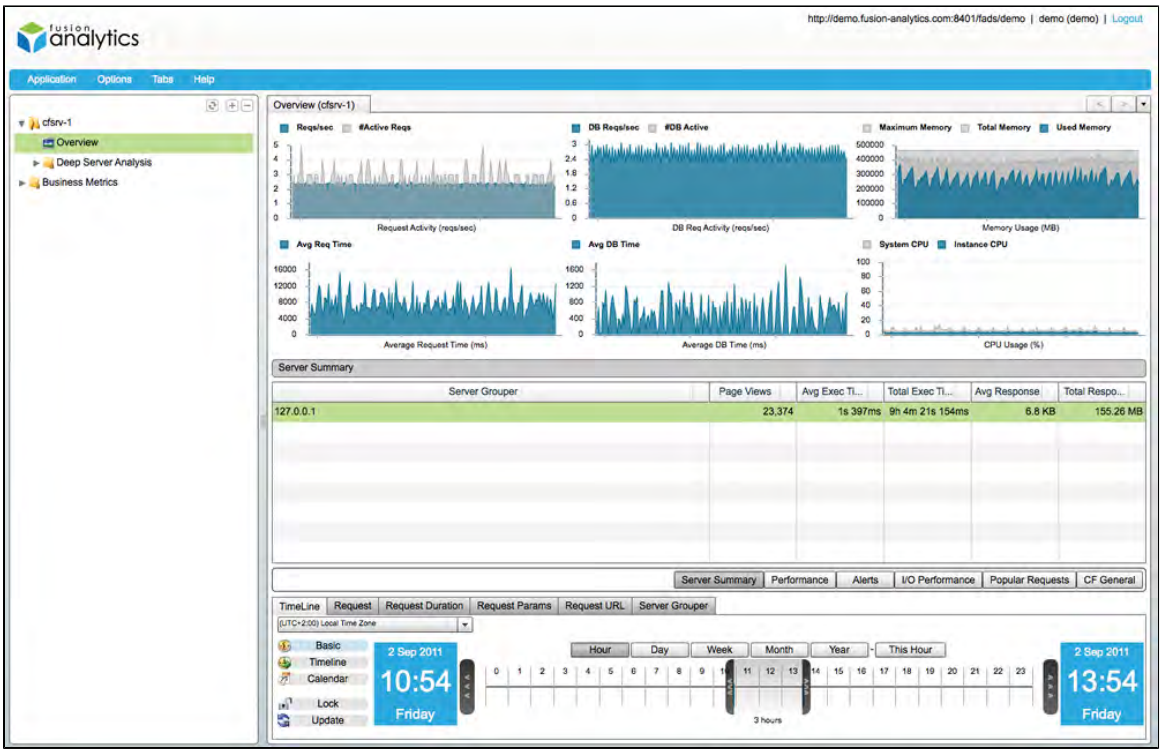
Default Perspective

In FusionAnalytics, perspectives are essentially different views that can be displayed on the screen. Once you have entered the client, the first perspective you will see is the "Overview Perspective".

The Overview Perspective is the default Perspective and (like most Perspectives in the application) is date/time-based. The perspective contains two visualizations, FusionReactor System Metrics and Server Summary, providing an instant insight into server utilization including :

- Breakdown server utilization by hostname (per project/customer/language)
- Total Response Size
- Average Execution Time - per site
- Total Execution Time

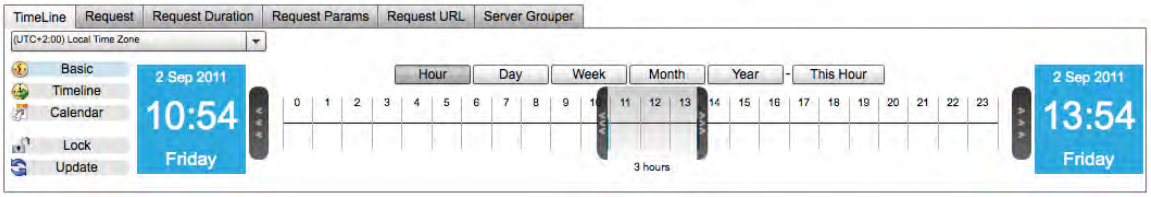


You will notice that the application layout is split into two columns:

- Table Of Contents (Left side) - This navigation menu allows you to navigate around FusionAnalytics and access different perspectives and features.
- Perspective Canvas (Right side) - This is the panel where perspectives are displayed. This is where your server information is visible and the timeline control can be adjusted.

Date Navigation

At the bottom of the Overview Perspective you will see a tab named "Timeline" containing the Date Navigation component :



You can use the Date Navigation component to explore data further allowing you to change the span of time that you are currently viewing. By default the Date Navigation component will be in **Basic Mode**. In this mode you can select a unit of time (Hours, Days, Weeks, Months or Years) and then select a range of those units to be the span of time you are interested in seeing analytics data for. Clicking on one of the "unit" buttons will switch to that unit of time. You can also change the mode (from Basic to **Timeline Mode** or **Calendar Mode**) if preferred by switching between the three mode toggles on the left of the control.

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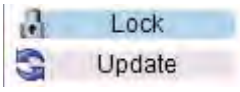
Locking and Updating

⚠ You may have noticed that even though you have been changing the time span, the data within the current perspective has NOT yet been updated. At any point you can click the "Update" button and your perspective will be refreshed showing the currently selected span of time. Even if you have not changed the current time span, you can click the "Update" button to get the most recent data from FusionAnalytics.

There are many situations in which you would want graphs to automatically be updated as you scroll through time. In this case you can lock the TimeLine. Click the "Lock" button to toggle this feature on and off. Whilst locked, your perspective will be updated whenever you change the currently selected timespan.



> **Note**: If you have the Timeline "Locked" whilst browsing through data then FusionAnalytics will constantly be requesting new data to show. In this case you may find that the performance is slower than having the Timeline "Unlocked". In general, we recommend that you have the Timeline "Unlocked" and use the "Update" button to refresh data once you have navigated to the point in time you are interested in.

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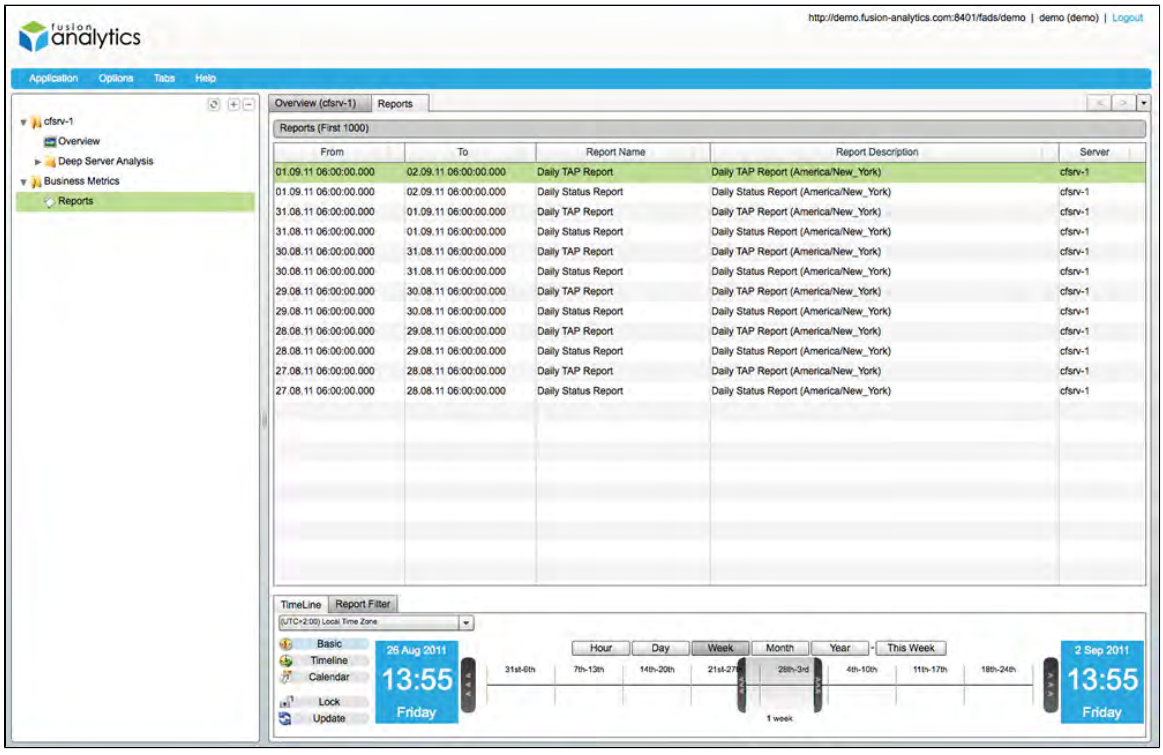
Reports

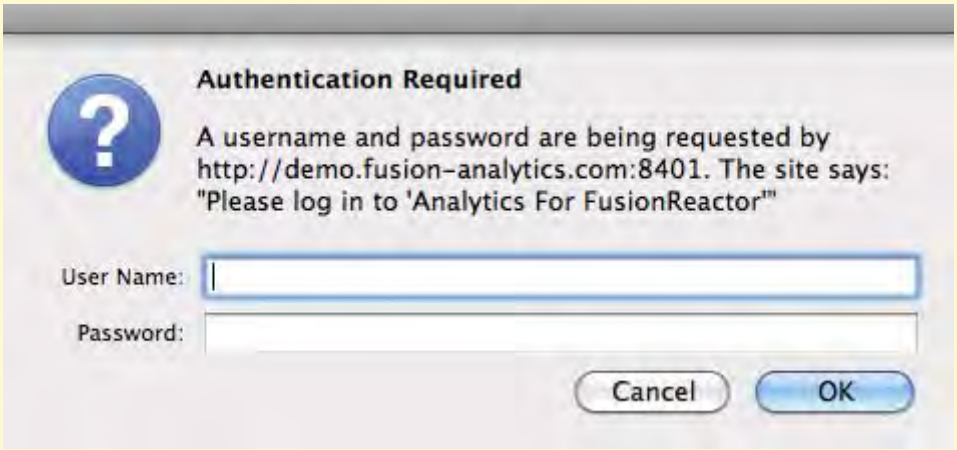
Using the Table Of Contents (left column) navigate to "*Business Metrics > Reports*" to open the Reports perspective. The reports Perspective includes a DataGrid containing all of the reports that are relevant to the Application.

> **Note**: FusionAnalytics will ONLY show reports which have been generated on the dates which you have selected in the Date Navigation component.



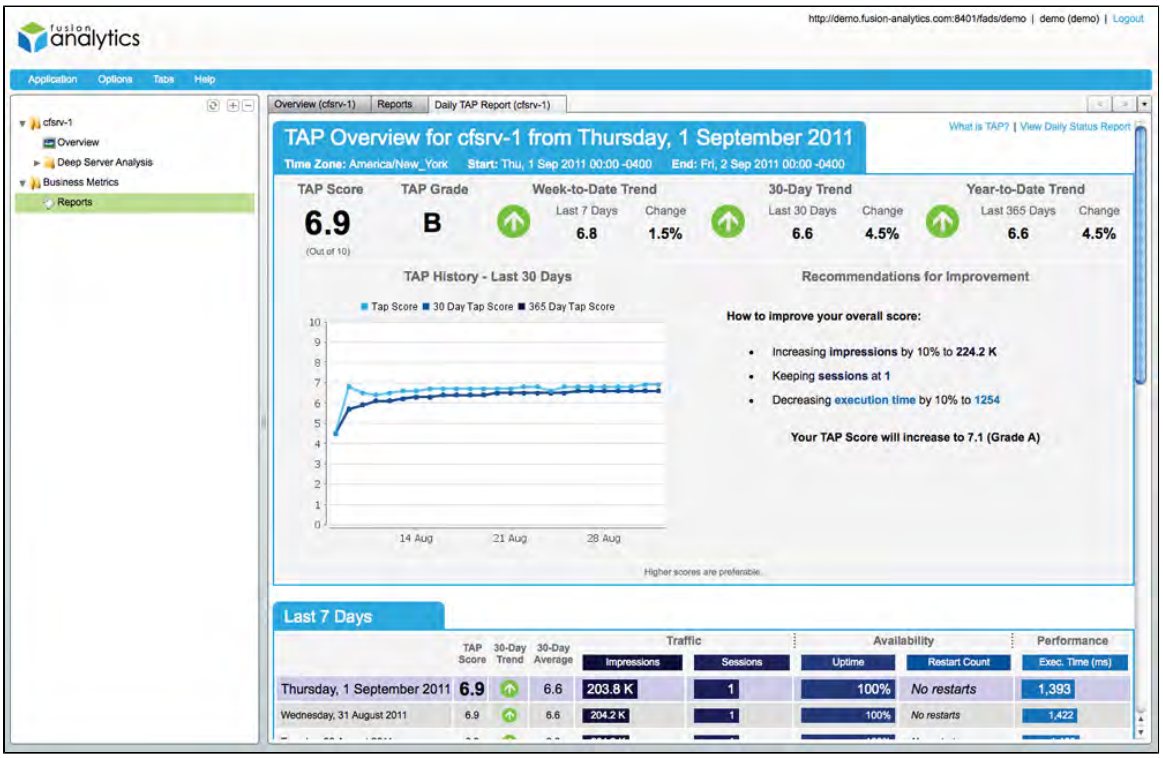
To open a report, either double click on the report you would like to open or right click on the report and select "Open Report".

Note: The first time the report is opened Authentication may be required to view the reports (within the Web Client). If so simply enter the credentials for the application and click OK:



Once authenticated, the selected report (in this case TAP) will then open in a new tab:

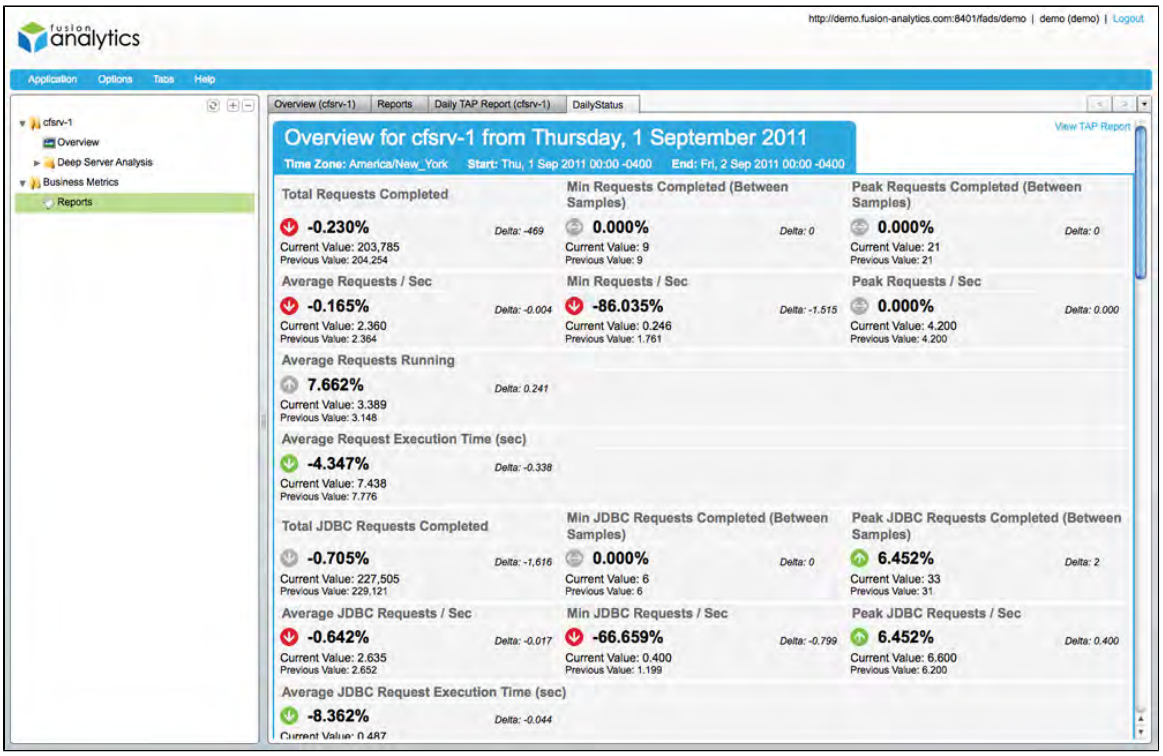
Tap Report



TAP Report: The objective of the Traffic, Availability and Performance (TAP) index is to give application & program managers, business owners and solution stake holders, a less-technical orientated metric on their servers. FusionAnalytics makes suggestions on how to improve your TAP score, as well as measuring and comparing TAP performance over time.

To open another report simply repeat the same process by going back the the Reports Perspective (within the Tab Navigator) and selecting and opening a new report:

Daily Status Report



Daily Status Report: The Daily Status Reports are intended for use by technical developers, project leads as well as project managers and system administrators. The Status Report contains a complete breakdown of your application / server performance as well as specific slow running requests which need improvement.

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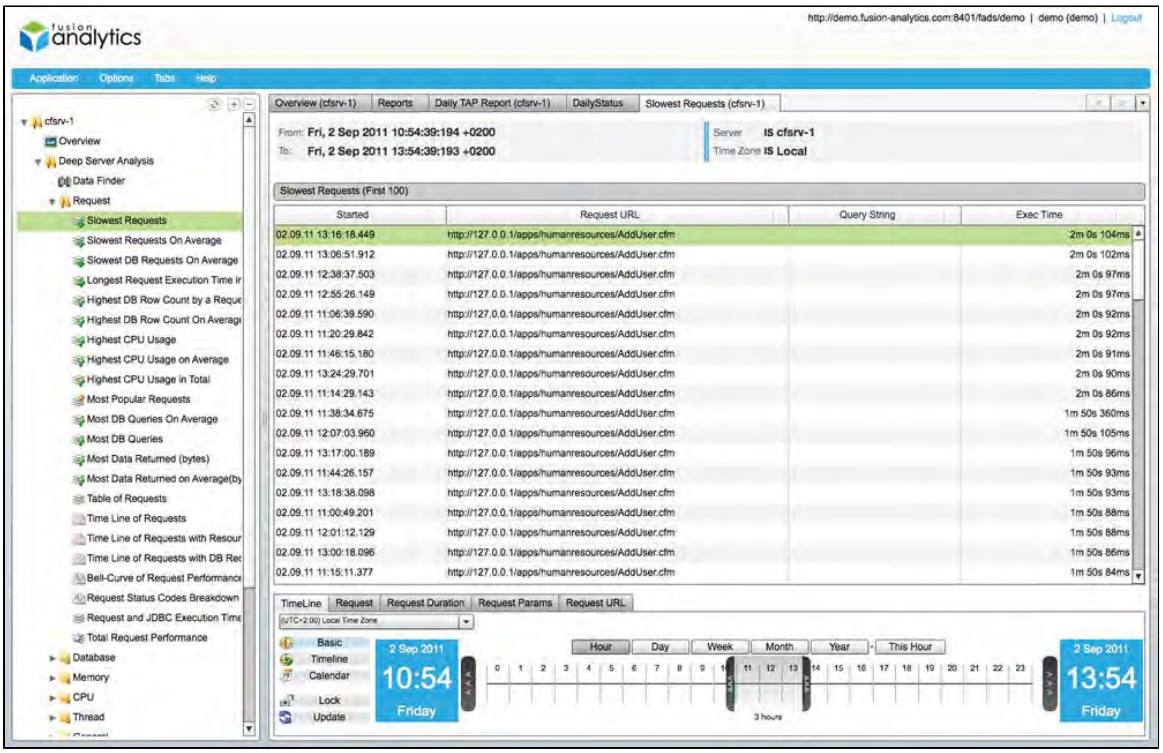
Deep Server Analysis

At the heart of FusionAnalytics is the wealth of information gathered and transferred from FusionReactor. This instrumentation includes requests, SQL statements, response times, CPU and memory information, as well as URL parameters, heap memory usage and JMX statistics. FusionAnalytics takes all of this information and builds a series of combined visual perspectives, allowing you to visualize all transactions, SQL queries, data transfer, server events etc. taking place over time, so you can build a complete historical view of what happened on your server. This data is essential to support investigative analysis, continuous server analysis and application improvement. With over 80 different analytic views and reports, FusionAnalytics gives you unlimited insight into exactly what's happening on your server.

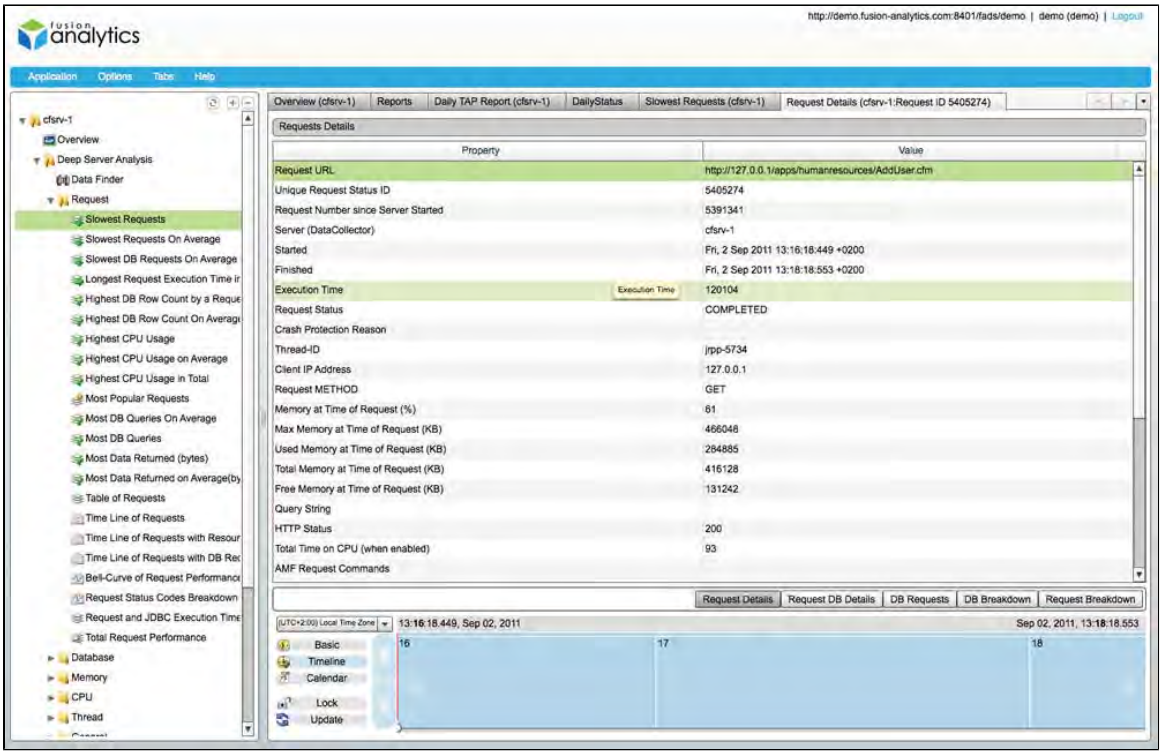
Note: All deep server related perspectives are listed under the "Deep Server Analysis" menu item within the Table of Contents.

For Example: Using the TOC Navigate to "*Deep Server Analysis* > *Request* > *Slowest Request*" to open the Slowest Request Perspective:



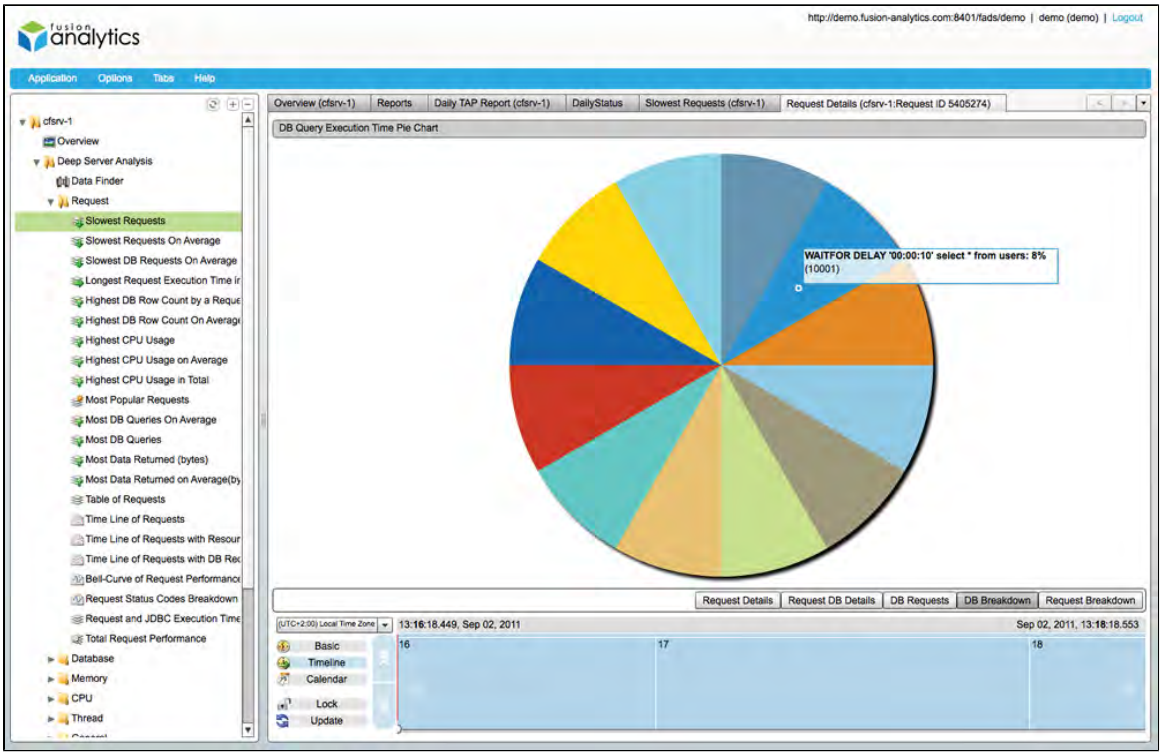
Within the Slowest Requests Perspective, the top 100 slowest requests (within the the specified time frame) are listed allowing detailed analysis to be performed to help the identification of key areas that can be optimized. You can see more in depth information for each request by right clicking on a request and selecting the "Request Details" menu item.

This will open the Request Details perspective for the selected request in a new tab:



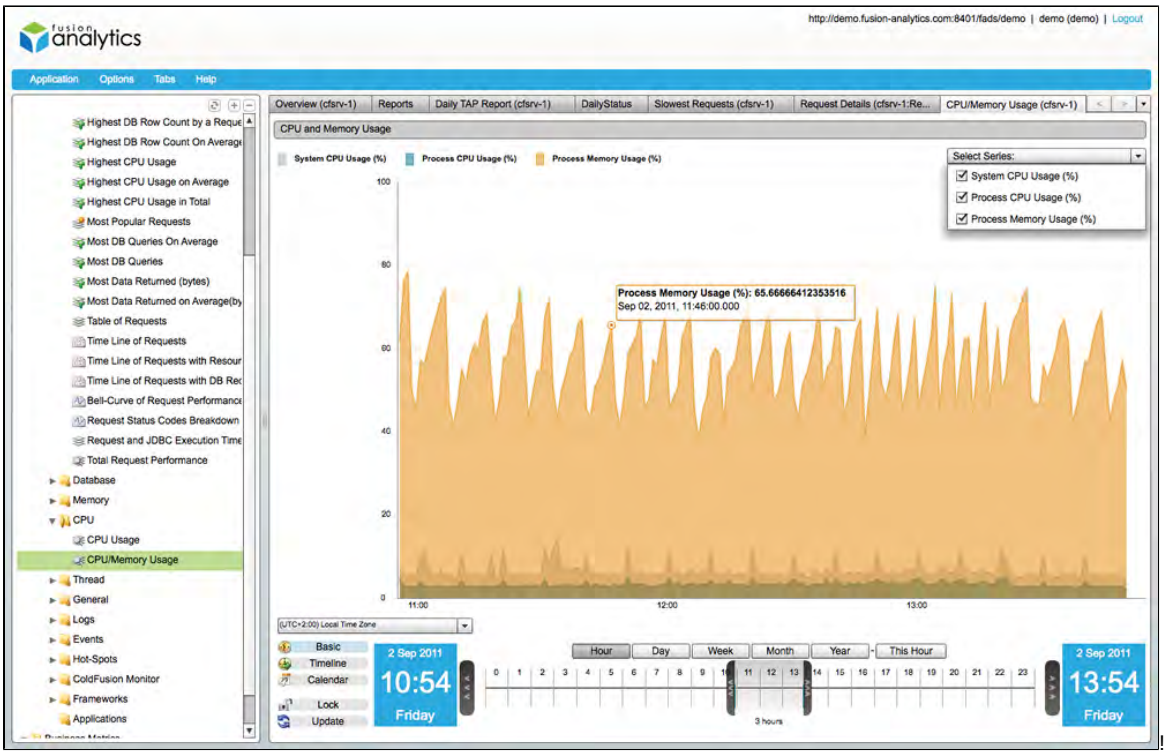
The Request Details perspective shows all the details of the actual (selected) request, including *URL*, *Start/Finish time*, *Status code*, *execution time*, *thread-ID*, *request method*, *memory metrics* (at time of execution) etc.

The perspective offers further useful information related to the request including *Request DB Details*, *DB requests*, *DB Breakdown* and *Request Breakdown* which can be accessed using the toggle buttons that are rendered below the Request Details DataGrid. For example, to see where the database time is being spent on a query by query basis relevant to the the selected request click the "DB Requests" toggle button just above the timeline.



With the database breakdown tab, mousing over a segment of the pie chart will reveal the actual SQL statement being called.

To compare processes CPU usage and process memory usage, again using the Table of Contents navigate to Deep Server Analysis > CPU > CPU / Memory Usage to open the CPU and Memory usage Perspective:



Remember: If you want to change the time span at any time you can do so at any time using the Date Navigation Component

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On This Page:

TOC and Content Layout
The application canvas is split into two columns. The TOC is rendered in the left column and the Perspectives (content) are loaded in the right column: