

User Documentation

for Flight Analyzer

15.06.2016

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Getting Started

The **Flight-Analyzer**TM is a normal Web-Application, like `google.com` or `nytimes.com`. So to access it you need any one of these modern Webrowsers:

Google Chrome <https://www.google.de/chrome/browser/desktop/>

Firefox <https://www.mozilla.org/de/firefox/new/>

Microsoft Edge <https://www.microsoft.com/de-de/windows/microsoft-edge>

If you already have one of them installed you're good to go. If not you can follow these links to learn more about them and install one.

Once you have your browser up and running and are connected to the company network¹, you can visit the **Flight-Analyzer**TM Application at <http://10.28.2.166/>.

Logging in



You are now presented with a splash screen. Here you are asked to insert your Username and click **START**. The username will be used to recognize you and store your personal settings.



¹Currently, this means you are connected via VPN to the **lrz.de** network of the University of Applied Sciences Munich.


The Pages and Navigation

Graph Page


≡

Flight Analyzer

Bob  



Configure the Settings and click APPLY to show the graph.

Settings 

Graph

From Date
01.01.2015

To Date
01.12.2015

Qualitative Value
Time

Quantitative Value
Flights

Time Step
Month

Selectors and Filters

Airline Selector

Add an Airline

Destination Selector

Add a Market
Ba

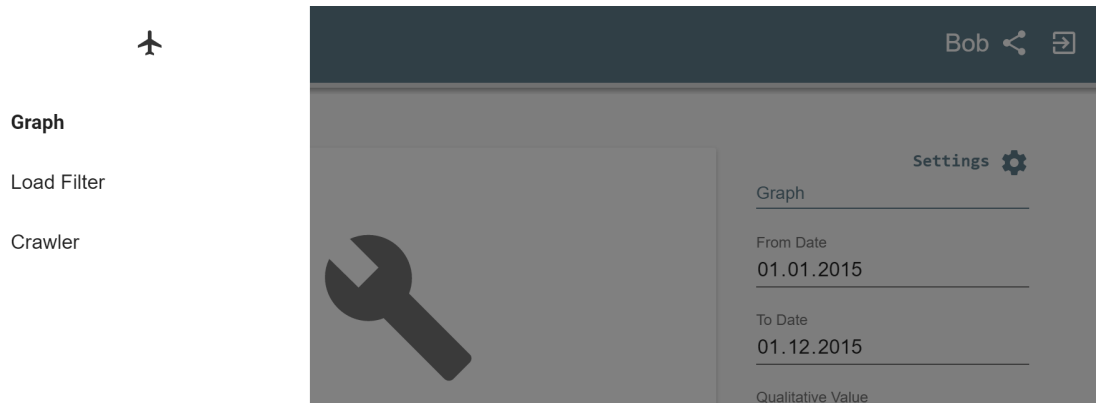
APPLY

Save Setting

Upon first login, you will see the **Graph Page**. This is the main page of the application and allows you to configure the settings for the graph and will show it once you click **APPLY**.

The configuration of the graph will be explained in an additional chapter.

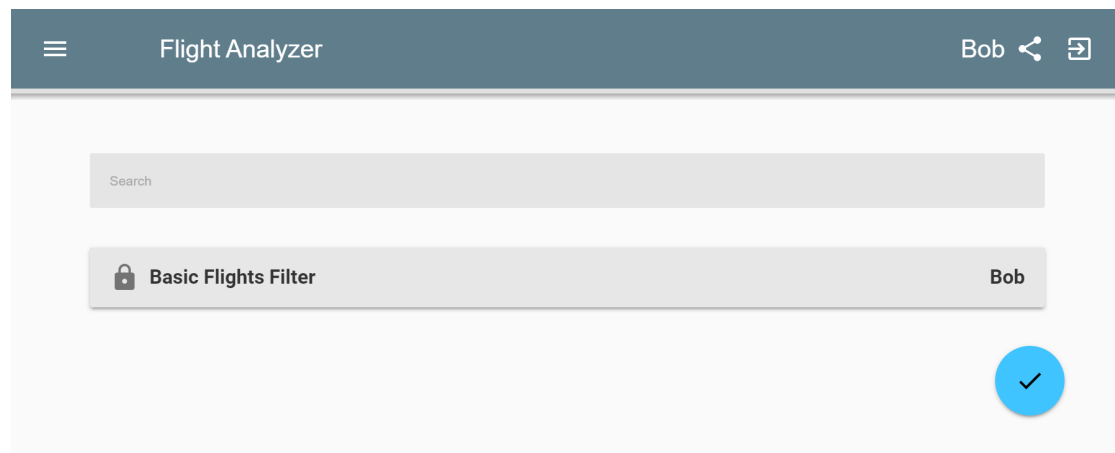
Navigation



A click on the top left menu (*hamburger*) button will reveal the menu for changing pages. If you decide to not change the page you can still click on the large grey area and discard this action.

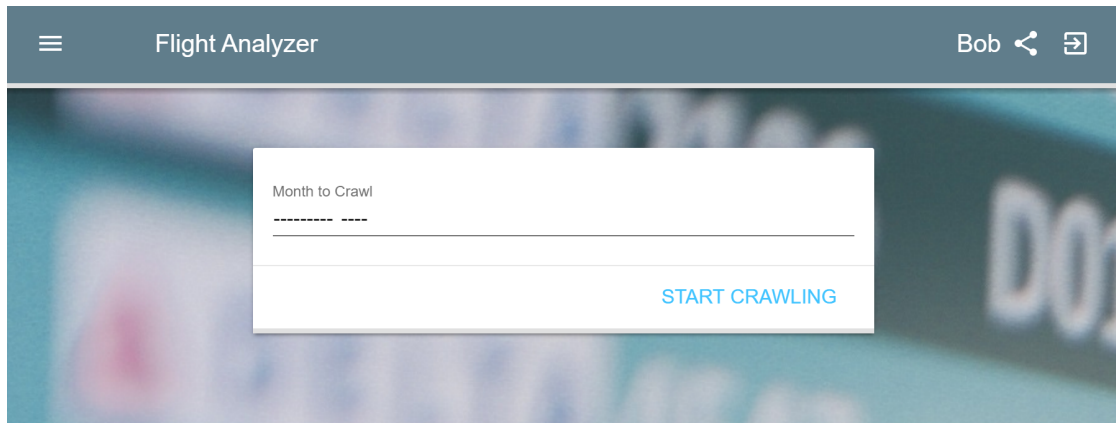
Settings Page

By selecting **Load Filter** in the Menu, you will see this page. Here you can load any stored filters/settings by selecting them and confirming the action with the button that appears in the bottom right corner.



You can also limit the filters by typing into the light grey search field.

Crawler Page


The screenshot shows a web application interface. At the top is a dark blue header bar. On the left of the header is a hamburger menu icon. In the center of the header is the text "Flight Analyzer". On the right of the header is the name "Bob" followed by a share icon and a refresh icon. Below the header is a large, blurred background image. In the center of the page is a white rectangular form. Inside the form, at the top, is the text "Month to Crawl" followed by a series of dashes "-----". Below this is a horizontal line representing an input field. At the bottom right of the form is a blue button with the text "START CRAWLING" in all caps.

Here you can start the Crawler to update the data from the **transtats.com** website. In the input field you have to specify the month to update. To start the crawling process click on **START CRAWLING**.

Configuration of the Graph

Graph Configuration

Basic Configuration

Settings 

Graph

From Date

01.01.2015

To Date

01.12.2015

Qualitative Value

Time

Quantitative Value

Flights

Time Step

Month

In here you can change the most fundamental way how and which data is displayed in the graph.

In the first two fields you select the time range to limit the data.

With the **Qualitative Value** you can select how the data is grouped. For example by selecting Destination, for each date (or date range) on the X-Axis multiple Bars (for all the different Destinations) will appear.

The **Quantitative Value** simply states what value should be used for the Y-Axis.

Selectors and Saving a Setting

Selectors and Filters

Airline Selector

Add an Airline

Destination Selector

Add a Market

Ba

APPLY

Save Setting

☐ Public

Settings Name

Basic Flights Filter

SAVE

Figure 1: