

OAG[®] TRAFFIC ANALYSER USER GUIDE

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1. Introduction

1.1 About the Tool

OAG Traffic Analyser provides you access to OAG's passenger bookings database. It comes with integrated mapping so you can create dynamic visualisations of passenger traffic flows at the touch of a button.

[Modules](#) | [My OAG](#) | [Reference](#) | [User Guide](#) | [Your Account](#)



Available Reports

O & D Report

View market size and trends between specified origins and destinations, from airport to region level

Segment Report

View the composition of traffic on a flight segments.

Mix Report

Analyse the full traffic composition for a location or route.

Power Table Report

Dynamic table to create a fully customised report.

Top X Report

View top carriers, departure or arrival airports etc. by a range of measures including Passengers, Class of Travel and Fares.

Connections Report

Similar to O&D Report but adds detail about where passengers connect.

Job Bin

Currently no reports in Job Bin

Saved Reports

Currently no Saved Reports

Scheduled Reports

Currently no Scheduled Reports

OAG Traffic Analyser sits within the OAG Analyser Suite of modules, each accessed via a common dashboard. Each module has been designed to have a high degree of commonality so that screens are visually comparable, and users of one will find it easy to use the other modules and create outputs in similar and comparable formats where needed.

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1. Introduction

1.2 Key Features

OAG Traffic Analyser has been designed to meet the needs of a wide variety of users. This means that the occasional user can access data quickly and easily via standardised reports. Equally, the user requiring in-depth analysis can configure settings, tailor outputs and create their own reports.

- Booking and average fare data available back to 2010
- Adjusted and unadjusted data
- 6 standard reports including a ‘power tables’ feature for ultimate flexibility
 - O&D (Origin and Destination) Report
 - Segment
 - Mix Report
 - Top X report
 - Connections Report
 - Power Table Report
- The ability to create groups of airlines, airports, aircraft types, cities, countries and regions to generate reports which meet your needs
- Save reports. Schedule the reports you need regularly. Create Job receipts – all saving you time and automating tasks for you
- Reference tables which provide detailed information on airport, airline and aircraft codes, alliance groupings, seasons, countries and regions, a distance calculator and minimum connecting times.
- Integrated mapping and data export capability (.CSV, .PDF, .XLS, .XLSX)

1. Introduction

1.3 Source of Data

OAG Traffic Analyser data is primarily MIDT data and is sourced from our partnership with Travelport as well as data from other sources. The tool has both unadjusted and adjusted booking data. Unadjusted data is only GDS data and includes booking and average fare figures. Adjusted data for bookings includes GDS bookings and is built upon through calibration of a series of specially developed algorithms using external reference data sources to estimate the true market figure. There are two fields with fare data, one containing average fare data which is provided by Travelport and the other which provides weighted average online fare data. Online fare data is received in the third week after the end of the month.

The **unadjusted** data is updated in the second weekend of each month and it contains data for two months previous to the current month.

The **adjusted prelim** data is a draft version of the adjusted data. It contains data from Travelport, the other GDS's and is aggregated up however some external sources do not submit their data until three months after the travel month hence why it is preliminary data. The prelim file is also loaded in the second weekend of each month and gives data for two months previous to the current month.

The **adjusted final** is a final version of the adjusted data. This is also updated monthly but in the third weekend of each month and it contains data four months prior to the current month.

Online fares

Currently (July 2017), the online fares represent network-wide, route and flight level available fare data for selected carriers, and is collected on a weekly basis. The collection of raw data uses several different methods and relationships. We have an exclusive long-term relationship with RDC to provide the available fare data. The data collection is supplemented by collection via airline pricing APIs, OTA (online travel agent) APIs and additional manual checks and collection to ensure quality and consistency.

The data is collected for specific points throughout the sales-cycle of each flight and at the same points across all routes and airlines in order to maintain consistency. From this raw data-file of millions price-points, an indicative monthly average fare is generated, directionally, for each airline and airport pair, using a proprietary algorithm that builds a route-specific booking profile based on several core indicators derived from our years of pricing and revenue management experience.

2. Getting Started

2.0 Getting Started

This guide provides all the information you need to start using OAG Traffic Analyser. It has been designed to walk you through all of the steps involved with getting the data you need from Traffic Analyser and can be used on its own, or in conjunction with the user guide videos on our website. There is also a glossary of terms on our website which explains both standard industry terminology and some of the more obscure terms used, and a 'frequently asked questions' section.

If you have any login or account issues please contact ContactUs@oag.com. If you would like to give feedback on your experience of using Traffic Analyser or if you have any problems using this tool please contact your account manager and they will be able to help you or pass you on to the relevant department to help. When you log into OAG Analyser you will see a screen like this which is the dashboard for the OAG Analyser suite of modules.

The screenshot shows the OAG Analyser dashboard. At the top left, it says 'Welcome 8984751!'. On the top right, there are icons for Schedules Analyser, Traffic Analyser, Connections Analyser, Mapper, DOT Analyser, and Logout. Below these are five module cards:

- Schedules Analyser**: Version 2.0.1, Last updated 11 Apr 2017, Purchased regions Worldwide, Purchased years 1980-2018. Database: Last schedule update: 18 Jun 2017, Number of active carriers: 822, Number of active airports: 4,501.
- Traffic Analyser**: Version 1.5, Last updated 18 Jul 2018, Purchased regions Worldwide, Purchased years 2012-2018. Database load schedule table:

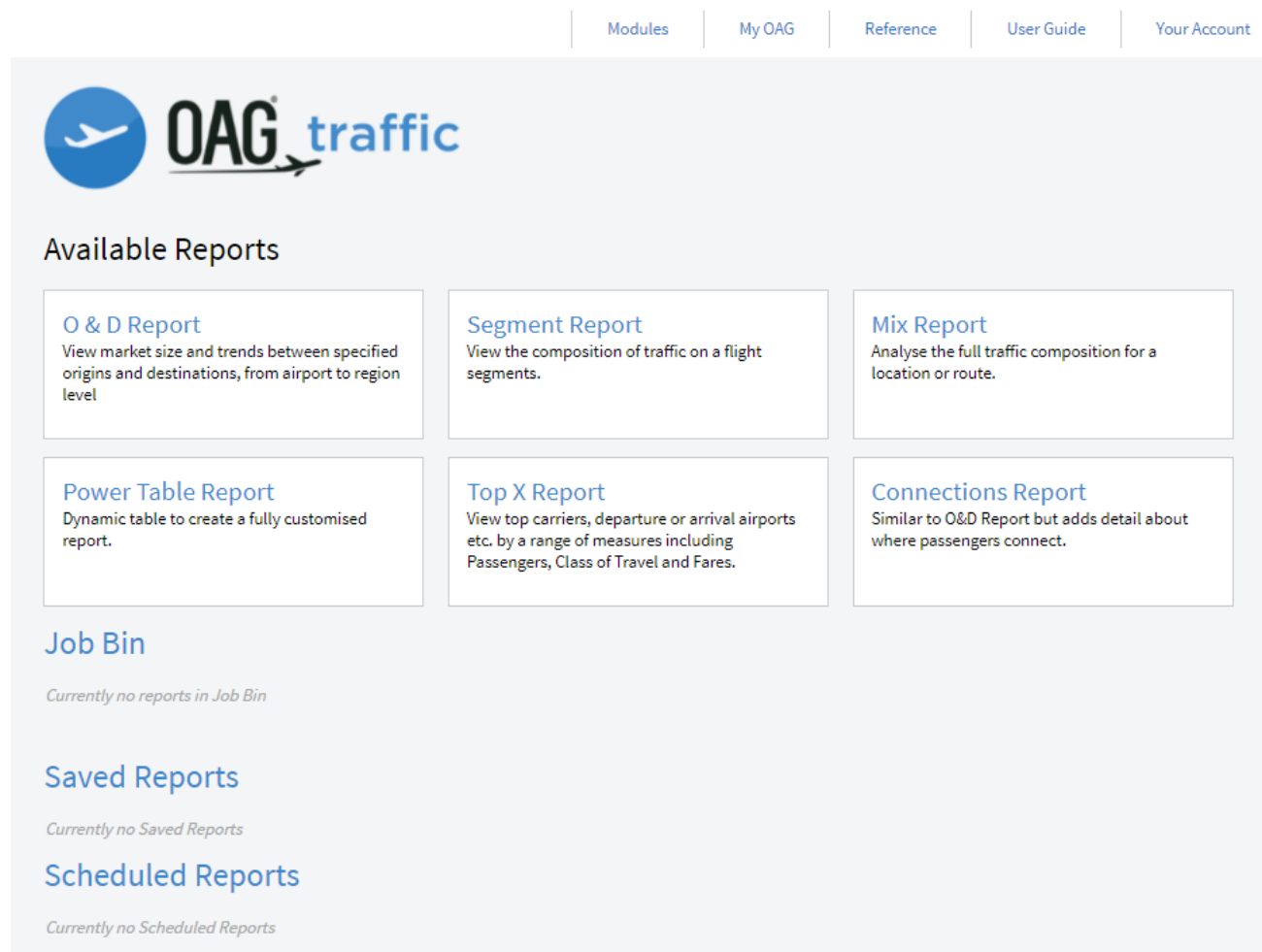
Dataset	Latest Travel Month	Loaded
Unadjusted - current/future pass	01 Mar 2018	08 May 2017
Prelim Adjusted - historical pass	01 Mar 2017	13 May 2017
Final Adjusted - historical pass	01 Feb 2017	20 May 2017
Online Fare	01 May 2017	13 Jun 2017
- Connections Analyser**: Version 1.5, Last updated 27 Jun 2018, Purchased regions Worldwide, Purchased years 1980-2018. Database: Last updated 23 Jun 2017, Number of active carriers: 822, Number of active airports: 4,501.
- Mapper**: Visualise airline and airport networks with the option to customise the map, build and envision a new network and view competitor networks and activity.
- DOT Analyser**: DOT Analyser allows easy and convenient access to US Department of Transport (DOT) statistics including T100, DBB and Form 41. This gives comprehensive insights into US aviation data. Version: Last updated, Purchased regions Worldwide, Purchased years 1980-2018. Database: T100 PowerTable 06 Aug 2018, DBB PowerTable 01 May 2018, Form 41 PowerTable 17 Jun 2018.

Each product you have access to is listed along the top right and also in middle of the screen. Your account number is located at the top left of the screen, where it says welcome, and you need just one account and login to access all of the OAG Analyser modules you subscribe to.

To open Traffic Analyser, the module covered in this user guide, you can either click on the module name at the top of the screen, or click on the passenger icon located to the left of the Traffic Analyser section.

2. Getting Started

On logging into Traffic Analyser, you will see this screen which is the home screen:



In the central area you will see the 6 reports available in Traffic Analyser and below is the Job bin which stores reports once you've run them. Below that you can view any Saved and Scheduled Reports.

Along the top of the screen there are some additional functions. Firstly, there are quick access links to each of the modules you have access to as part of your licence.

Next is the My OAG section which allows you to save reports, run scheduled reports at a certain time, and to customise groups of information to make running reports with similar queries easier. The functions in this section, and the reference section next to it, are covered in more detail later in this guide. The User Guide option takes you through OAG's help pages which include this guide, some FAQ's, a glossary and some videos to guide you through how to use each report.

In this user guide we will now take you through each of the reports in turn and how to use them.

You do not need to run through them in sequence – in fact it may be useful to jump ahead to the My OAG section.

3. Reports

There are 6 reports available in Traffic Analyser. We describe how they work here and provide you with a worked example of each report in this section. You can also access short video guides from our user guide that replicate the content provided here. From the home screen you can click on any one of the report names below and you will be linked to a new query screen.

Report Types	What can I use it for?
O&D Report	Allows you to view market size and trends between specified origins and destinations, from airport to region level
Segment Report	Allows you to view the composition of traffic on a flight segment
Mix Report	Allows you to analyse the full traffic composition for a location or route
Power Table	Allows you to fully customise a report from scratch
Top X Report	Allows you to create a report for various categories such as carriers, departure or arrival airport, equipment (aircraft) by a range of measures including passengers, class of travel and fares
Connections Report	Similar to the O&D report and allows you to add detail about where passengers connect

Much of what is covered in the O&D Report guidance can be applied to the other reports.

3. Reports

3.1 O&D REPORT

With this report you can extract data on estimated passenger volumes for flights from an origin airport, city, state, country or region to a destination airport, city, state, country or region. You can also specify up to 2 different gateway points. These can be airports, but could also be a city, state, country or region and they identify the routing that the passenger takes.

Like most reports in Traffic Analyser, and other OAG Analyser modules, it has numerous options to tailor the data request to what you need, but not every box needs to be filled in every time. Often you may only need to fill in a few of the options, so it's worth spending a bit of time familiarising yourself with the query screen.

To get to the query screen, simply click on O&D Report. A new screen like the one below will appear:

There are three main areas. On the left are the Parameter groups so you can quickly navigate to the fields you want, in the central area are all the fields you need to select the parameters you want to use to define your report, and to the right is where you customise the look of the report.

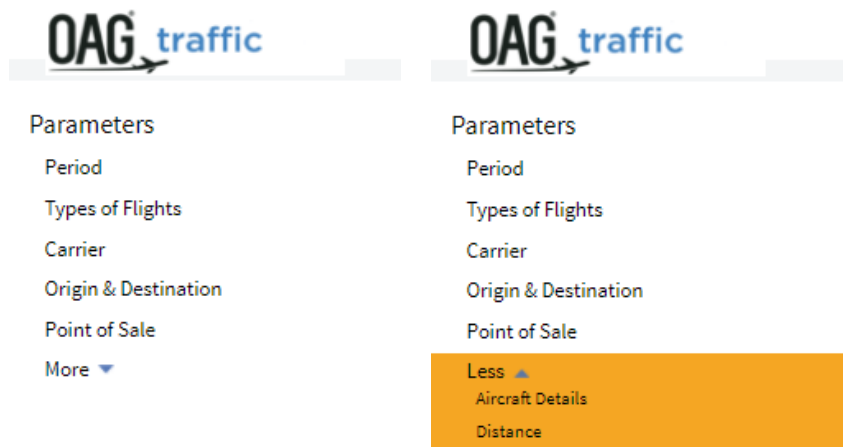
We'll take a look now at each of these areas.

The screenshot displays the OAG Traffic Analyser O&D Report interface. On the left, a 'Parameters' sidebar lists various filter categories. The central area, titled 'O&D Report', contains detailed configuration options for the report, including date ranges, flight types, carriers, and destinations. On the right, the 'My Report' sidebar provides options to manage the report, such as clearing selections and running or exporting the data.

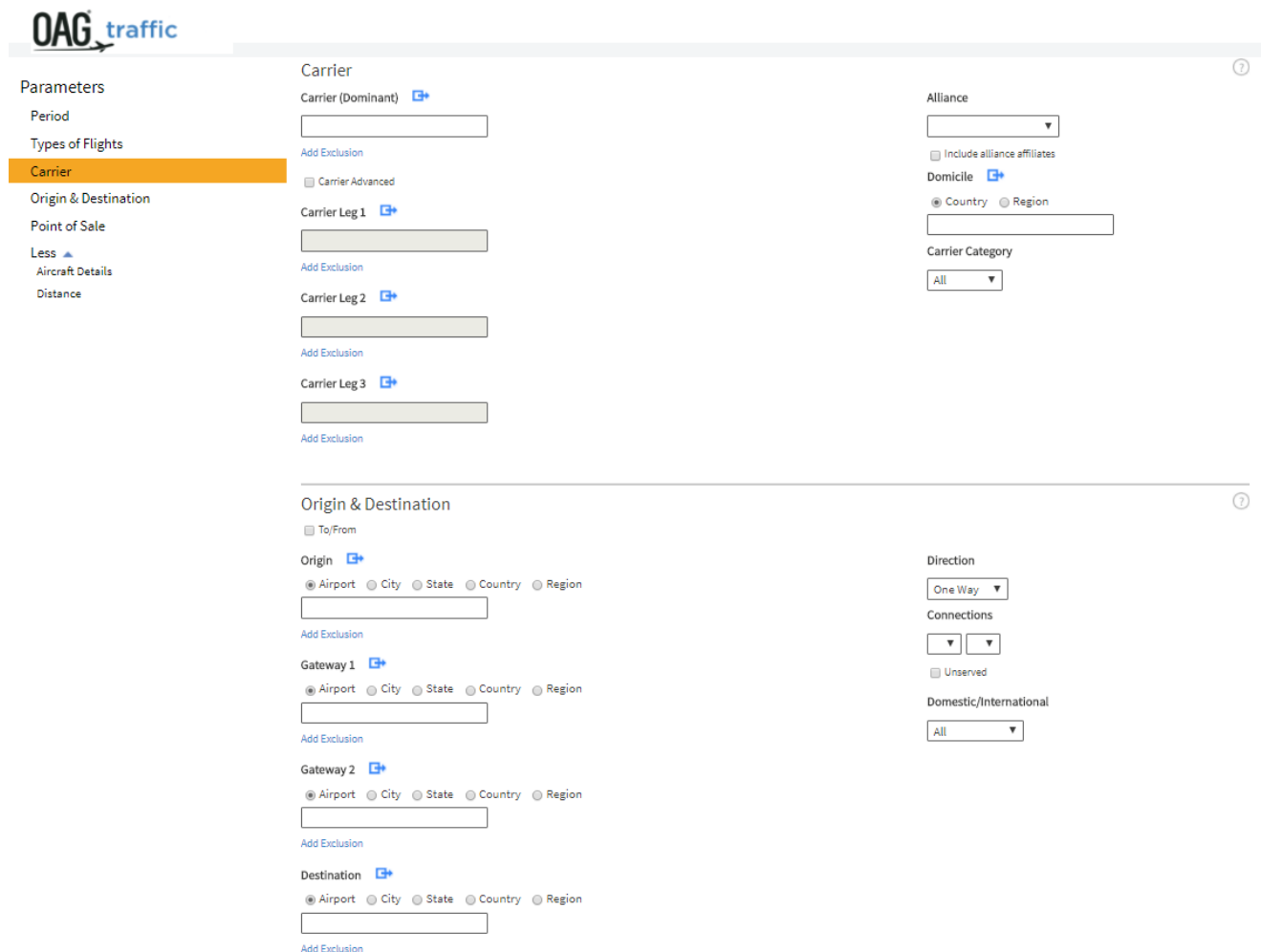
3. Reports

3.1.1 Parameters

On the left, there are 5 parameter groups displayed and 2 more which open up if you click on more at the bottom of the list:



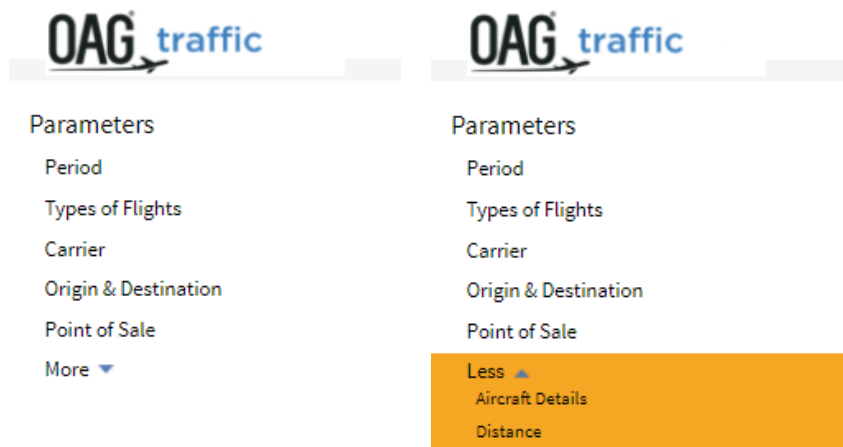
As you click on each parameter it moves the central screen to that area. In the image below we clicked on carrier and you can see carrier has moved to the top of the screen.



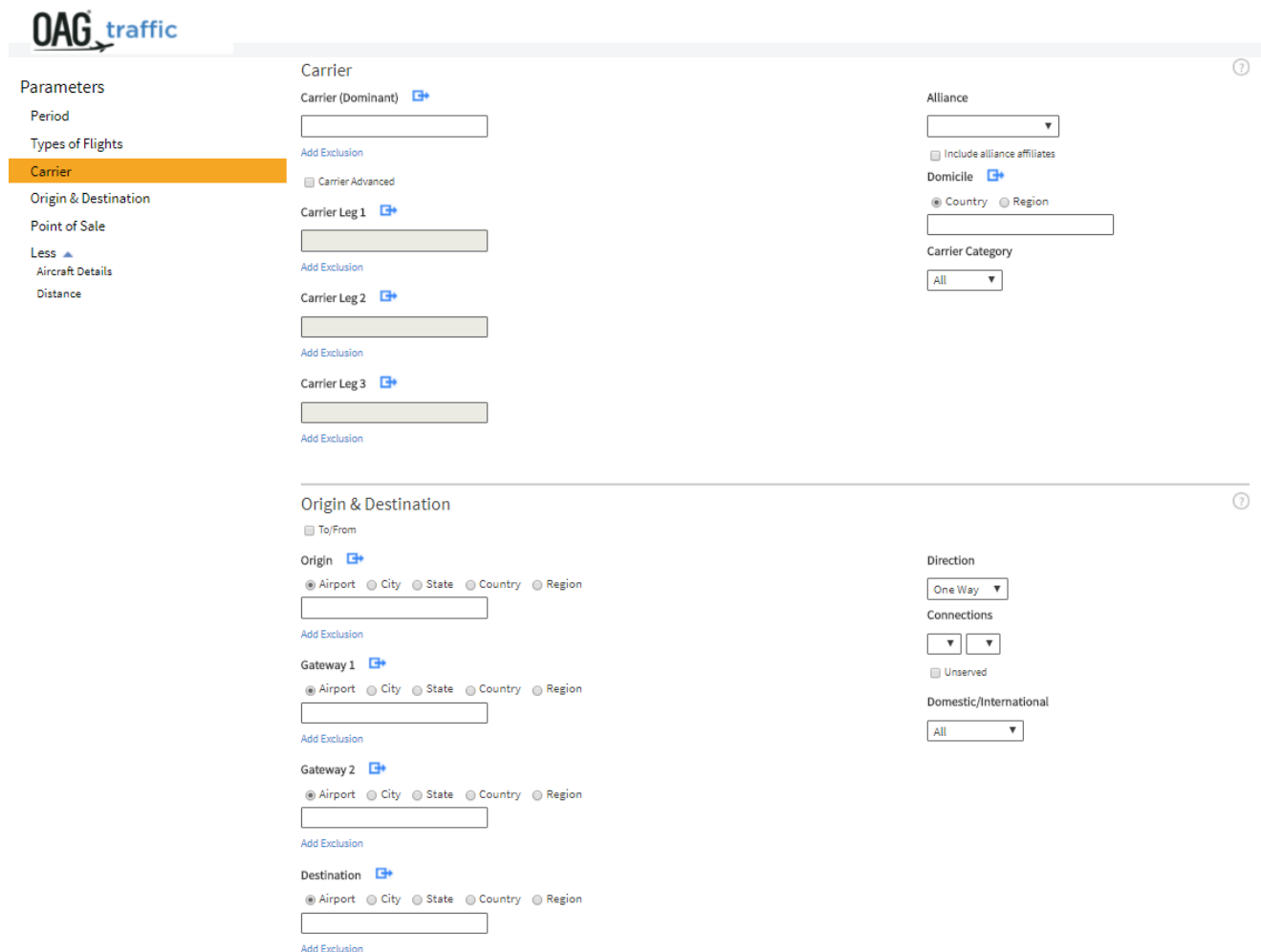
3. Reports

3.1.1 Parameters

On the left, there are 5 parameter groups displayed and 2 more which open up if you click on more at the bottom of the list:



As you click on each parameter it moves the central screen to that area. In the image below we clicked on carrier and you can see carrier has moved to the top of the screen.



3. Reports

Period

We'll look firstly at **Period**. You will see from the dropdown list there are three time period options that can be selected. These are month, quarter and year. The default is month. Data in Traffic Analyser is available back to 2010 - (if your subscription includes that) and it takes about four months for Adjusted Bookings data to be finalised and loaded into OAG Traffic Analyser. The adjusted prelim file does provide data for the two months prior to the current month (to understand more about the different types of data please see page 4). When you log into the Analyser portal you will see the Database load schedule in the Traffic Analyser box on the right hand side of the screen which shows you the latest months of data available and when they were loaded.

The screenshot shows the OAG Traffic Analyser interface. At the top, there is a navigation bar with the OAG traffic logo on the left and 'Reports' and 'Modules' links on the right. Below the navigation bar, the 'Parameters' section is visible on the left, with 'Period' selected and highlighted in orange. The main content area is titled 'Period' and features a dropdown menu set to 'Month'. To the right of the dropdown are 'From' and 'To' date pickers, both set to 'Mar' 2017. Below these are two checkboxes: 'Use Time Series' (unchecked) and 'Compare To' (unchecked). A help icon (?) is located in the top right corner of the main content area.

If the time series box is not selected the data is shown aggregated for the time period selected.

If you want data for two time periods so you can compare them, select the 'compare to' box and you'll see more options to compare time periods.

The screenshot shows the OAG Traffic Analyser interface with the 'O&D Report' selected. The 'Parameters' section on the left lists 'Period', 'Types of Flights', 'Carrier', 'Origin & Destination', and 'Point of Sale'. The main content area is titled 'O&D Report' and features a dropdown menu set to 'Month'. To the right of the dropdown are 'From' and 'To' date pickers, both set to 'Mar' 2017. Below these are two checkboxes: 'Use Time Series' (unchecked) and 'Compare To' (checked). When 'Compare To' is checked, a second set of 'From' and 'To' date pickers appears below, also set to 'Mar' 2017. A help icon (?) is located in the top right corner of the main content area.

This report can return a lot of data, so try not to select a longer time period than you really need.

3. Reports

Type of Flights

The next group of parameters relate to the Type of Flights. As you can see, operating flights, published carriers and non-stop flights are the default options here, but you can change these if you want. You may not need to change these but if you are interested in code-sharing arrangements between airlines you may want to click on 'both' so you can see both the flights which the carrier operates and those that it doesn't operate, but still sells.

Carrier

Then in the **Carrier** section, you have two options. If you leave the first field - **Carrier (dominant)** - blank, data for the dominant carriers will be included. The dominant carrier is the one which operates the longest leg. Otherwise, you need to specify which carriers, or carrier groups, you want to view data for.

Carrier

Carrier (Dominant) 

[Add Exclusion](#)

☐ Carrier Advanced

Carrier Leg 1 

[Add Exclusion](#)

Carrier Leg 2 

[Add Exclusion](#)

Carrier Leg 3 

[Add Exclusion](#)

Alliance

☐ Include alliance affiliates

Domicile 

☒ Country ☐ Region

Carrier Category

There are two ways of inputting carrier names – either by 2 letter code separated by a comma i.e. AA, BA, WN, etc., or by typing in the carrier's name which will produce a drop down list to select from. You can add as many airline names or codes as you like, as long as they are separated by a comma. If you want to save a group of carriers to make future queries faster, you can do so. You do this by clicking on blue arrow logo at the end of the field. This opens up a new box as pictured to the right.

3. Reports

You enter the carrier, or carriers, you want and then you have the option to either save your selection with a name (so you can revisit it in future) or simply enter the details and run your query. We'll run through the steps to save the query here. You'll see here on the right that we've created a group for US major airlines which then appears in our Saved Groups list.

Firstly, type in a name for your group – we've called it 'My 1st group'. Then, add the carriers you want to include by typing in the two letter code, or name in the airline field. Click the **green + symbol** to add them to the list. Once you have added all the required carriers, click on **Save** to keep the selection. Then click on **OK** which returns you to the query page with the carriers you've selected added to the required field.

You can also exclude a particular carrier, or group of carriers. Click on **Add Exclusion** below the carrier box and, as before, you can either select a single carrier in the Excluded Carrier (Dominant) field by using their two letter code, or name, or select multiple entries.

Under the carrier selection boxes, you will see that there is a box called Carrier Advanced. If we check the box, then this unlocks options to be more specific about which carriers operates which legs of the routing and extract data for analysis of that Carrier Leg 1 refers to the leg between the origin airport and gateway 1 airport, and so on. You can select single or multiple carriers (or exclude them) for each of the 3 legs. This feature is particularly useful for analysis of domestic feed traffic to long haul routes.


In this section, you can select data for a specific **alliance** or for airlines not in an alliance, which we term 'unaligned'. The default is no selection. You can also choose to include alliance affiliates.

The next option in the Carrier section is **Domicile**. You can select a Domicile Country, or group of countries or region(s) where an airline is based. As with the other options you can save a selection if you need to.

The last carrier option is **Carrier Category**, where you can select either All, Low Cost or Mainline carriers. The default is All.

Alliance

☒ Include alliance affiliates

Domicile 

☒ Country ☐ Region

Carrier Category

All

Groups : Excluded Carrier

Create or Edit Group

Search by Excluded Carrier

Or enter multiple carriers in the following format

AA,DL,UA,BA
or
AA
DL
UA
BA



Save Group

☒ New ☐ Existing

My 1st Group

Save

Saved Groups


Name	Excluded Carrier Selection
 My 1st Group	AA,DL,UA 



OK

Clear

Cancel


Carrier

Carrier (Dominant) 

Excluded Carrier (Dominant)  


☐ Carrier Advanced

Carrier


Carrier (Dominant) 

[Add Exclusion](#)


☒ Carrier Advanced

Carrier Leg 1 

[Add Exclusion](#)

Carrier Leg 2 

[Add Exclusion](#)

Carrier Leg 3 

[Add Exclusion](#)

3. Reports

Origin & Destination

As before, if you leave the Origin and Destination fields blank, data for all origins and destinations will be included. Doing this would return a lot of data however, so it's usually better to select a specific airport, city, state, country or region.

Sometimes you might just want to look at all bookings **to and from** one specific airport, city, country or region. Clicking on **To/From** allows you to do this and you can look at everything from an origin point. When you select an origin and a destination you are choosing to look at all airline bookings **from** the origin to the destination. If you want to extract bookings data for both directions, then click on the **Direction** box, which will allow you to select two-way data. There is also an option to aggregate data. Data for each direction will be shown separately but if you use the 'aggregate' options then the two-way data will be combined into a single figure.

The screenshot shows the 'Origin & Destination' search interface. It features several sections for selecting search criteria:

- To/From:** A checkbox to toggle between 'To' and 'From' search directions.
- Origin:** A section with radio buttons for 'Airport', 'City', 'State', 'Country', and 'Region', followed by a text input field and an 'Add Exclusion' link.
- Gateway 1:** A section with radio buttons for 'Airport', 'City', 'State', 'Country', and 'Region', followed by a text input field and an 'Add Exclusion' link.
- Gateway 2:** A section with radio buttons for 'Airport', 'City', 'State', 'Country', and 'Region', followed by a text input field and an 'Add Exclusion' link.
- Destination:** A section with radio buttons for 'Airport', 'City', 'State', 'Country', and 'Region', followed by a text input field and an 'Add Exclusion' link.
- O+D Pairs:** A checkbox to toggle between 'O+D Pairs' and 'O+D Pairs'.

To the right of these sections, there are additional filters:

- Direction:** A dropdown menu with 'One Way' selected.
- Connections:** Two dropdown menus for selecting the number of connections.
- Unreserved:** A checkbox to toggle between 'Unreserved' and 'Unreserved'.
- Domestic/International:** A dropdown menu with 'All' selected.

You can select either a single **Origin** or **Destination** or a **multiple selection**. Between origin and destination there are two more options to select **Gateway 1** and/or **Gateway 2**. All of these options can be selected by airport, city, state, country or region. Gateways are connecting points.

To the right of the Origin, Gateway and Destination options, you can also specify if you want to look at data which has exactly a certain number of **Connections**, more than a number or less than a number, with a maximum of 2 connections. There's also a box which lets you see passenger bookings made on routes which are **unserved** by direct services, or unserved by the direct services of a particular airline. This means passengers are finding other ways to travel to where they want to be, either connecting at other airports or using other airline services.

We'll show a quick example here of the unserved feature. We'll select 2016 as the year, Air France as the carrier, and look at unserved routes between France and China, making sure to select the box marked **Unreserved**.

3. Reports

Parameters

- Period
- Types of Flights
- Carrier
- Origin & Destination**
- Point of Sale
- More

Origin & Destination

Origin: France (FR),
Destination: China (CN),
Direction: One Way
Connections: 1
Domestic/International: All

My Report

Current Report Selections

Period: Year: 2016 to 2016
Time Series: No

Types of Flights: Flight Type: Operating Flights
Show By: Published Carrier

Carrier: Included: AF

Origin & Destination: Origin: FR, Destination: CN
To/From: No
Direction: One Way
Unserved: Yes

Clear All This option will clear all report selections.

Run Export

We then run the report. This results in 8 tabs of data, and the one we want to select is the Country tab. This shows that there are over 45,000 passengers travelling from France to China on indirect routings.

Region	Country	City	Airport	Connecting Airports	Feeder Carriers	Direct Carriers	Detail
--------	----------------	------	---------	---------------------	-----------------	-----------------	--------

Origin Country	Destination Country	Indirect Est. Pax	Non-Stop Est. Pax	Total Est. Pax	% Total
FR	CN	45,835	0	45,835	100

1 result(s) found, displaying result(s) from 1 to 1. Page 1 / 1

Lastly, on the right, you can choose to limit your query to just domestic, or just international passengers. The default is all.

3. Reports

At the bottom of the Origin and Destination section, there is an option to choose specific **O&D Pairs**. When you click on it, it opens up a box on the right hand side of the screen.

You can use this box to enter specific O&D Pairs, or you can use the **bulk origin destination** pairs field which lets you paste in a selection of origin and destination codes from another source. These need to be inserted as the three letter codes separated by a space or comma.

As before, if these fields - where there isn't a default or drop down list to choose from - are left blank, the data extracted will cover all countries, and all cabin types, for example.

Point of Sale

Next you can specify a Point of sale. This is where the booking was made, either a country or region. This is helpful for understanding the composition of traffic for the flight and whether one market or country dominates the traffic travelling on a route. This can also be identified using the Area of Origin option which enables you to select only data for travel sold in a local market, within the region or outside the region.

Below Point of Sale there is an option to open up an additional list of parameters to allow you to further refine the data in the report you are extracting. Clicking on the More field below Point of Sale opens this up and there are two more parameters, Aircraft Details and Distance.

There are six **Cabin type** options – All (default), First, Business, Full Y, Premium Economy and Discount Economy.

The final option is **Distance**. You can specify a maximum or minimum distance to further refine your query.

Point of Sale

3. Reports

3.1.2 Report Outputs

As you define your report by selecting Parameters on the left hand side of the screen they appear in the **Current Report Selections** tab on the right hand (blue) side.

Once you've selected all the parameters you require, you have the option to customise the report further. On the right hand side of the screen in the My Report section, you can click on the second tab, **Customise report**.

As you can see there are several options to customise the output of the report and simply clicking on the tickbox in the field removes it, and clicking again in the field puts it back.

At the bottom of this tab there are some **Graphing** and **Mapping Options** and you can have these turned on or off in this area, again just by clicking on the arrow to uncheck the box. The default is to include these options. You can also customise what the graphing option does, by deciding which data you want to have on the x and y axis and whether you want to see the data as a line graph, column or pie chart.

My Report

Current Report Selections Customise Report More Report Options

Customise Output

Please select tabs for results output

- ☒ Select All
- ☒ Region
- ☒ Country
- ☒ City
- ☒ Airport
- ☒ Connecting Airports
- ☒ Feeder Carriers
- ☒ Direct Carriers
- ☒ Detail

Available Add-ins

- ☐ Online Fare

Graphing Options

- ☒ Show data in a graph
- Type: AA ☒ Line AA ☐ Columns AA ☐ Pie AA
- X Axis: Time Series
- Y Axis: Est. Pax
- Line: Pub. AL (Dominant)

Mapping Options

- ☒ Show map

Clear All This option will clear all report selections.

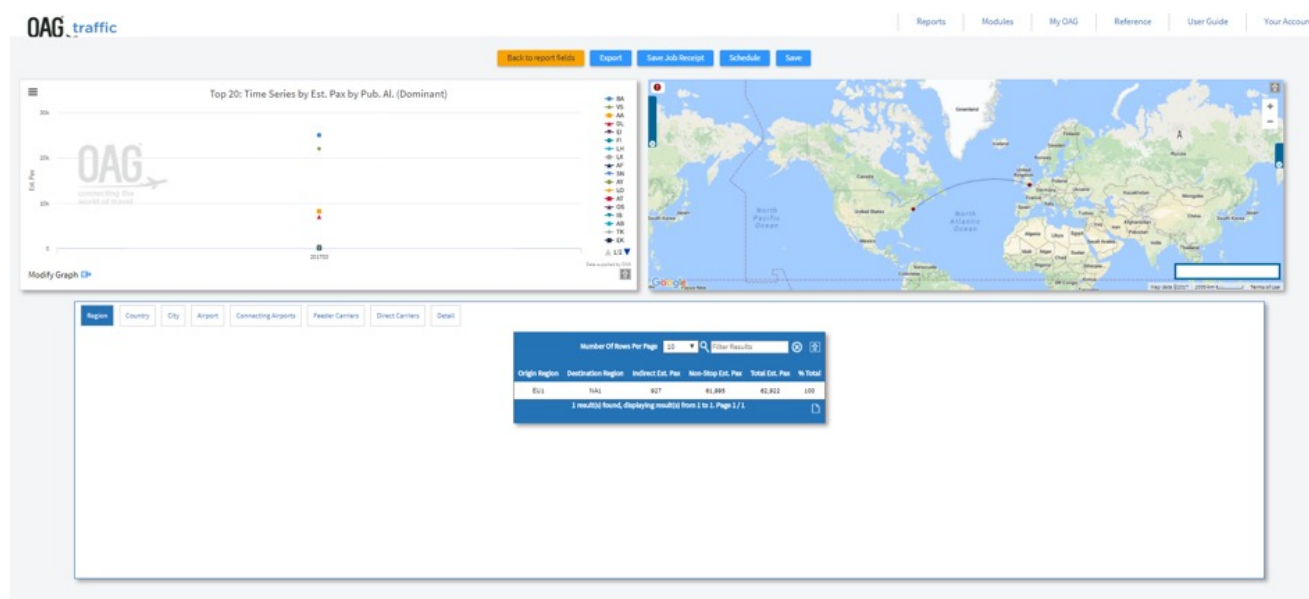
Run **Export**

3. Reports

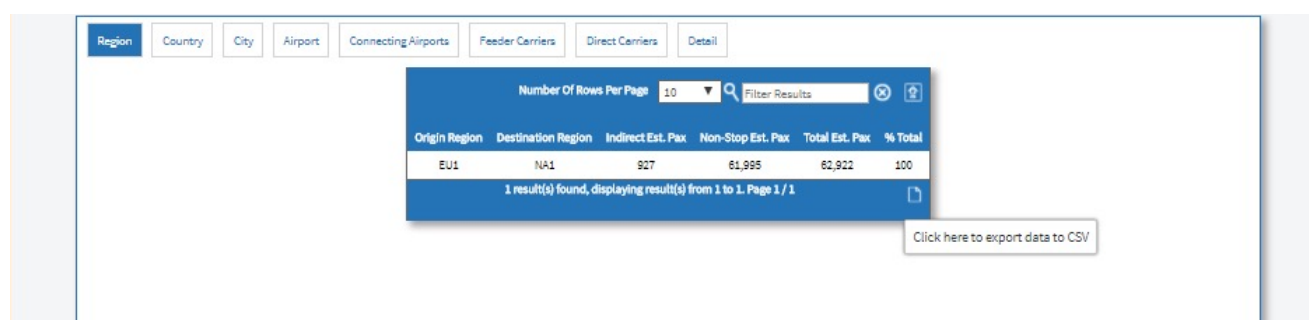
The last tab, **More Report Options**, allows you to change the units for data and switch between codes and labels for airlines and airports.

At the bottom of the query screen (this is there whichever tab you have open) you have the option to Run the query or Export it.

You'll see from the example below that once you click run, the results are displayed in the format below. Each of the three areas has an arrow on the right, either in the top right hand corner (map) or the bottom right hand corner (chart, table). Clicking on the arrow maximises the table, chart or map to the full screen. Clicking on it again minimises it.

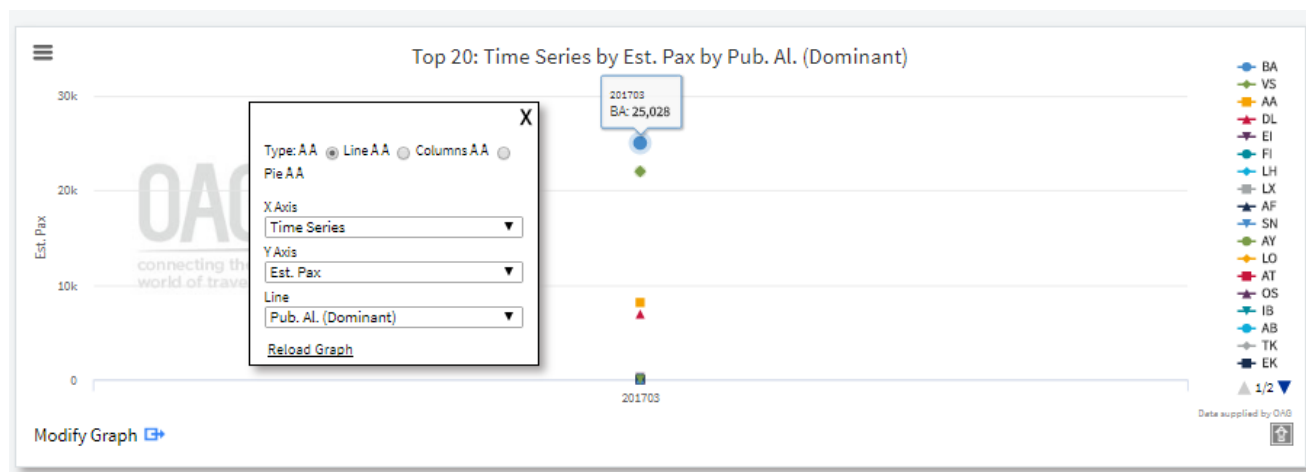


Running the report means the data appears on your screen, and if there are less than 1,000 rows, you have the option to click on the page icon at the bottom of the table and export as a CSV file. If the report is larger than 1,000 rows, you will have to export it and retrieve it from the Job Bin.

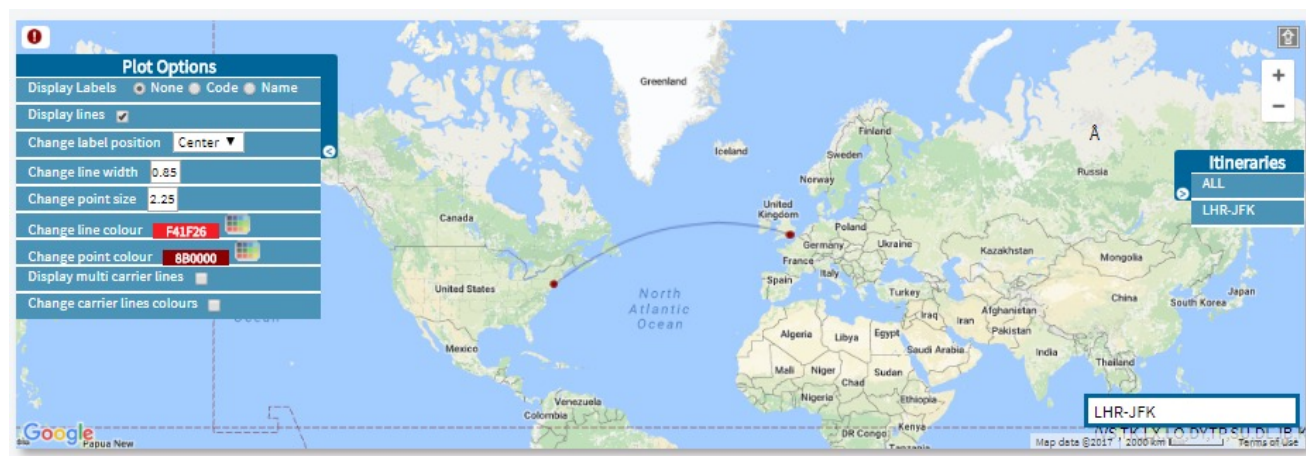


3. Reports

Clicking on **Modify Graph** allows you to amend the outputs in the graph as displayed in the image below, and at the top of the graph there are 4 small lines which, if you click on them, open up the export options for the graph. You can send the graph straight to print or download in several different formats including PDF, PNG, JPEG or SVG vector image.



On the map, clicking on the blue tabs on either side of the map opens up **Plot Options** on the left where you can amend the location and format of labels and lines, and change the colour of the lines –if your query includes several carriers this can be very useful. The tab on the right allows you to see all of the itineraries in the query and select one. You can also zoom in and out on the map using the + and – symbols on the top right hand side and re-center it by clicking and dragging the map to where you want it to be centered.



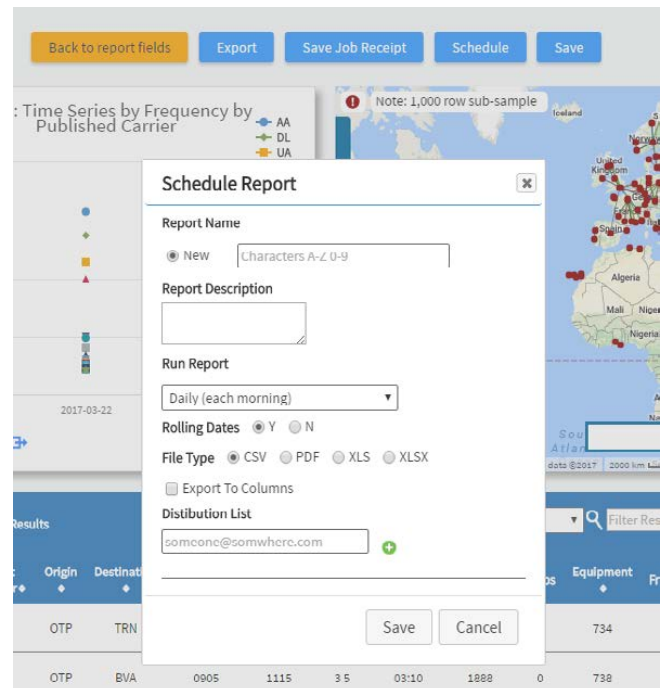
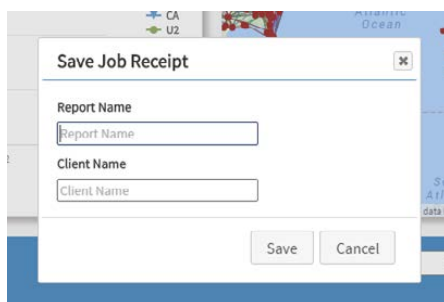
The map does not automatically export, but you can save it as a screenshot using external tools.

3. Reports

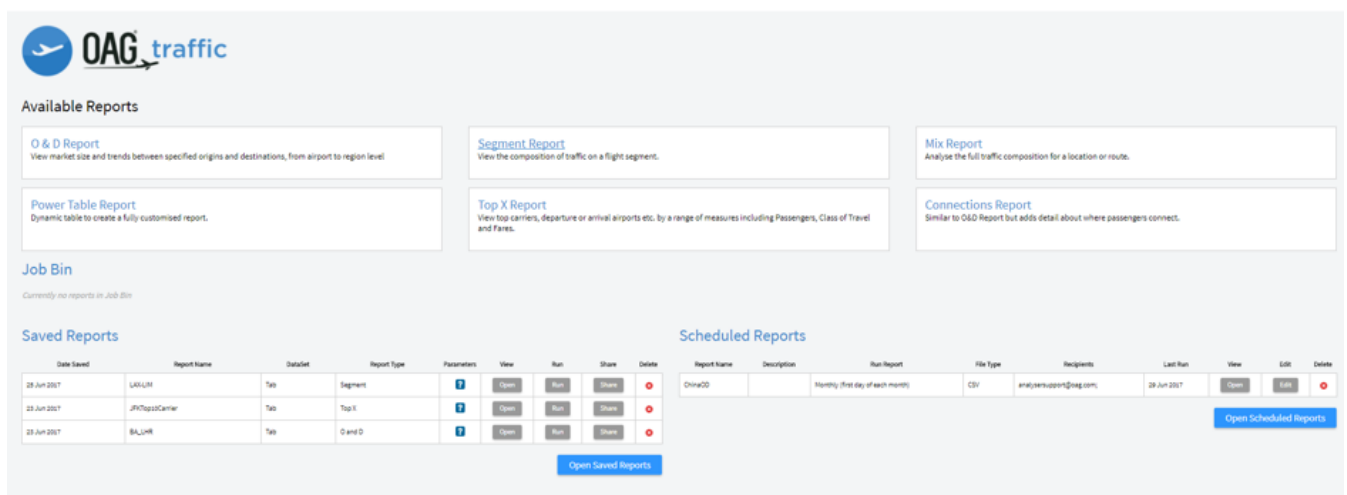
3.1.3 Saving Reports & Scheduling

Reports can also be run regularly and emailed directly to yourself, customers or colleagues by selecting the **Schedule** option at the top of the report output page. You can give the report a name and select the frequency that you want to see the report run and the output format. Finally, enter the required email address(es) in the field below email address, click on the **plus sign** to add them to the box below and click on **save**.

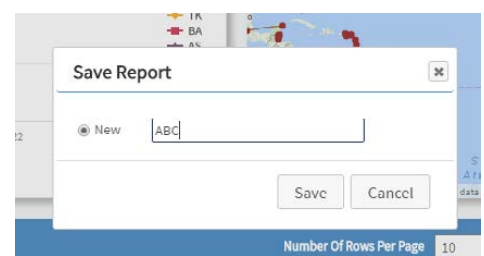
You can also save a job receipt by giving a report a name and client name, selecting **Save Job Receipt** from the top.



Scheduled reports appear in the OAG Traffic Analyser home page under **Scheduled Reports**. You can see the Report Name, Frequency, File Type and Recipients, and when it was last run. You can open it from here, or edit any of the fields by clicking on edit.



Lastly you can save reports by clicking on **Save** at the top of the report output screen and the following box opens up. Give the report a name and then click **Save**. When you return to the home page you'll see the saved report now appears under **Saved Reports**. You can then open, run or share the report from there.



3. Reports

3.1.3 Exporting

Once you've run the report, you can download it in a range of ways. Click on **Export** and an export box opens. Give your report a name and then select the file type – you can choose from a range of options including CSV, PDF and XLS. If you know that you will always want to export in a particular format, you can save it as a default in the User Preferences section (we cover how to do this later in this guide). Once you've given your report a name and selected the file type, click on **Export**. This box then appears and you can choose to continue with another query, or go the job bin where the report will be processed.

The job bin looks like this and can be accessed by clicking on **Go to Job Bin**, or from the home page in Traffic Analyser.

OAG traffic									
Reports Modules My OAG Reference User Guide Your Account									
Job Bin									
Number of rows per page 10									
Status	Viewed	Job ID	Parameters	Report Name	Report Type	Report Progress	Update Time	View	Delete
		2181		LHRtoNAM	O and D	job completed successfully	29 Jun 2017 11:13		
1 - 1 Of 1 Results									

The envelope to the left of the ID number indicates whether the report has been opened or not. Reports will remain in your job bin for 4 days, then be deleted automatically. You can open the report and edit the parameters or download it from here for further analysis.

The user guide link from Traffic Analyser for this report takes you to our website where there is a short video with a worked example of how to run an O&D report.

Available Reports

O & D Report
View market size and trends between specified origins and destinations, from airport to region level.

Segment Report
View the composition of traffic on a flight segment.

Mix Report
Analyse the full traffic composition for a location or route.

Power Table Report
Dynamic table to create a fully customised report.

Top X Report
View top carriers, departure or arrival airports etc. by a range of measures including Passengers, Class of Travel and Fares.

Connections Report
Similar to O&D Report but adds detail about where passengers connect.

Job Bin

Status	Viewed	Job ID	Parameters	Report Name	Report Type	Report Progress	Update Time	View	Download	Delete
		2181		LHRtoNAM	O and D	job completed successfully	29 Jun 2017 11:13			

Open Job Bin

3. Reports

3.2 Segment Report

This report allows you to identify passenger bookings on an individual flight segment. The parameters, query screen and report outputs are similar to the O&D report so we won't repeat the guidance in the section above, but will focus on what is different.

The main difference here is that while the O&D report is concerned with traffic between an origin and destination, and provides data about how many passengers use intermediary points to connect between flights, the Segment Report focusses on individual flight stages between airports.

In this report there is no option to compare time periods and there is no advanced carrier option – simply because the report is focused on a flight segment, meaning there is only one carrier involved. There is no 'unserved' option for the same reason.

The main difference is in the Origin and Destination fields. There is an option for Airport 1 and Airport 2 which are either end of the Segment we want the data for.

We'll walk through an example here to show what the output of this report looks like.

The screenshot displays the OAG Traffic Analyser interface for the Segment Report. The left sidebar shows the 'Parameters' section with 'Origin & Destination' selected. The main panel shows the 'Segment Report' configuration with the following details:

- Period:** Month (Mar) 2017 To (Mar) 2017
- Types of Flights:** Selected Flight Type (Operating Flights, Published Carrier, CodeShare Flights, Operating Carrier, Both)
- Carrier:** Carrier (dominant) (All)
- Origin & Destination:** Airport 1 (LAX - Los Angeles International Apt), Airport 2 (LIM - Lima)
- Direction:** One Way
- Connections:** All
- Domestic/International:** All

The right sidebar shows the 'My Report' section with the following details:

- Current Report Selections:** Period (Month: Mar2017 to Mar2017), Time Series: No
- Types of Flights:** Flight Type: Operating Flights, Show By: Published Carrier
- Origin & Destination:** Airport 1: Include: LAX, Airport 2: Include: LIM

The 'My Report' section also includes a 'Clear All' button and a message: 'This option will clear all report selections.'

3. Reports

We've entered LAX in the Airport 1 field, and LIM in the Airport 2 field. The time period is the default latest month, and we don't need anything else. We'll click on 'Run' to run the report. The results appear in a table like this. There are three output tabs – segment, direct carriers and detail. The segment table shows the summary output of your query – in this case the total passengers for the LAX-LIM routing.

Segment	Direct Carriers	Detail
---------	-----------------	--------

Number Of Rows Per Page	10	Filter Results
Origin	Destination	Total Est. Pax
LAX	LIM	7,444
1 result(s) found, displaying result(s) from 1 to 1. Page 1 / 1		

Selecting the detail tab displays the results in a table, by itinerary. You can see that some passengers begin their journeys behind LAX and some end their journeys beyond LIM. We will cover this terminology in the next section.

Number Of Rows Per Page 10 Filter Results																
Pub. AL (Dominant) *	Op. AL (Dominant) *	Origin *	Pub. AL (Leg 1) *	Op. AL (Leg 1) *	Gateway 1 *	Pub. AL (Leg 2) *	Op. AL (Leg 2) *	Gateway 2 *	Pub. AL (Leg 3) *	Op. AL (Leg 3) *	Destination *	Point Of Origin *	Point Of Sale *	Cabin *	Estimated Pax *	Fare (USD) *
LA	LA	LAX	LA	LA							LIM	LAX	JP	Discount Economy	1,031	0
LA	LA	LAX	LA	LA							LIM	LAX	US	Discount Economy	988	339
LA	LA	LAX	LA	LA	LIM	LA	LA				EZE	EZE	AR	Discount Economy	304	418
LA	LA	LAX	LA	LA							LIM	LIM	PE	Discount Economy	217	389
LA	LA	LAX	LA	LA	LIM	LA	LA				EZE	LAX	US	Discount Economy	218	480
LA	LA	SFO	VX	VX	LAX	LA	LA				LIM	SFO	US	Discount Economy	198	287
AM	AM	LAX	AM	AM							LIM	LAX	US	Discount Economy	191	239
LA	LA	LAX	LA	LA	LIM	LA	LA				CUZ	LAX	US	Discount Economy	185	478
LA	LA	LAX	LA	LA	LIM	LA	LA				CUZ	LAX	JP	Discount Economy	178	0
LA	LA	LAX	LA	LA							LIM	LAX	JP	Business	143	0
1604 result(s) found, displaying result(s) from 1 to 10. Page 1 / 161																

The user guide link from Traffic Analyser for this report takes you to our website where there is a short video with a worked example of how to create a segment report.

3. Reports

3.3 Mix Report

The next report we will look at is the Mix report. The Mix report provides a different way of looking at traffic on an O&D pair. It allows you to see the composition of traffic on the O&D pair in four different ways which we outline in this section.

As before, you can click straight through to the **Mix Report** from the OAG Traffic Analyser home page. A new screen like the one below will appear:

OAG traffic

Reports | Modules | My OAG | Reference | User Guide | Your Account

Parameters

Period

Types of Flights

Carrier

Origin & Destination

Point of Sale

More ▾

Mix Report

Period

Month ▾ From Mar ▾ 2017 ▾ To Mar ▾ 2017 ▾

☐ Use Time Series

Types of Flights

Selected Flight Type Show By

☒ Operating Flights ☒ Published Carrier

☐ Codeshare Flights ☐ Operating Carrier

☐ Both

Carrier

Carrier (Dominant)

[Add Exclusion](#)

Carrier Category

All ▾

Alliance

☐ Include alliance affiliates

Domicile

☒ Country ☐ Region

Origin & Destination

Location 1

☒ Airport ☐ City ☐ State ☐ Country ☐ Region

[Add Exclusion](#)

Location 2

☒ Airport ☐ City ☐ State ☐ Country ☐ Region

[Add Exclusion](#)

Location Pairs

Domestic/International

All ▾

My Report

Current Report Selections

Customise Report

More Report Options

[Clear All](#) This option will clear all report selections.

[Run](#) [Export](#)

3. Reports

As before the report can be run with a variety of parameters including for all carriers, or a selection; by alliances, by specific origins and destinations (at different levels e.g. airport, city, state, country and region).

In the same way that we walked through how to run an O&D report, we'll do the same here. Many of the fields are similar, so we will focus on those that differ from that report.

The mix report query screen is very similar to the O&D report, with one key difference, in the Origin and Destination parameters. In this report you choose a **Location 1** and **Location 2** which should correspond with the airport (city, state, country or region) at the start and end of the flight segment you want to query.

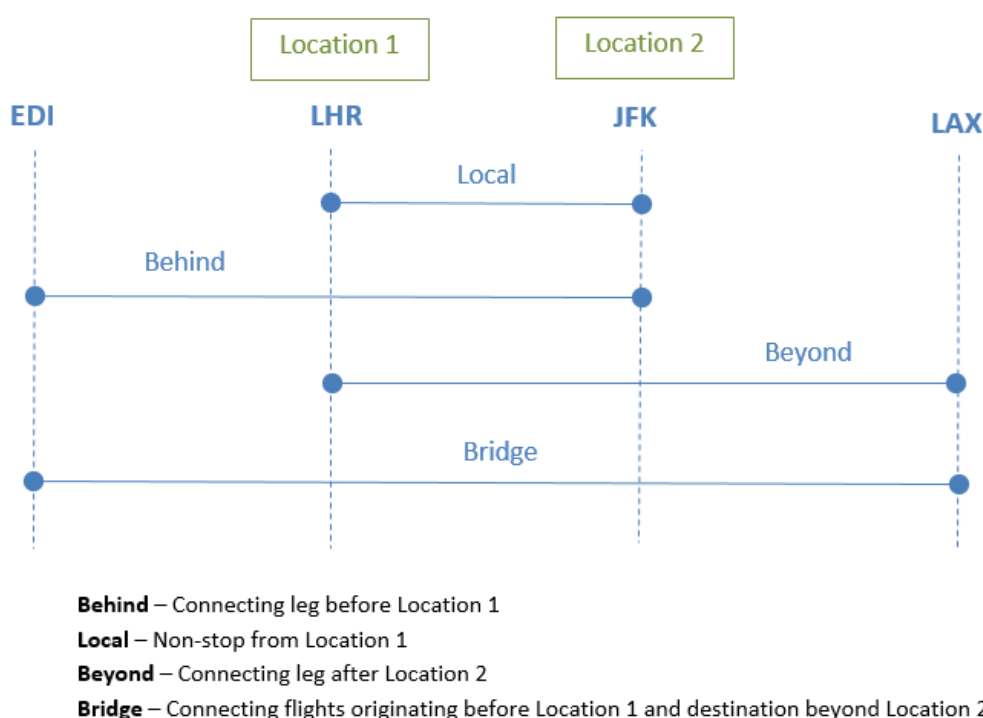
The output of this report includes the mix of traffic types on the route. There are four types of traffic identified in the mix.

First is 'local' traffic, where the passenger simply travels between the origin (Location 1) and destination (Location 2) of a non-stop flight.

Next in the mix is 'Beyond' traffic, which are those passengers who take a connecting flight after the flight which originates from your selected point of interest, so from Location 2.

Then there is 'Behind' traffic, which is the traffic which originates behind Location 1 and connects on to the Origin/Destination pair.

The fourth and final element of the mix is 'bridge' traffic, a term for those passengers who connect from another flight at Location 1 and also connect to another flight after Location 2. We will explain this using an example and the following diagram which may help you understand this.



3. Reports

This diagram shows an origin-destination pair which is London Heathrow – or LHR – and New York’s JFK airport. Traffic between these two points is termed **local** traffic. Also travelling between LHR and JFK may be passengers who have connected from another flight at Heathrow but originated at Edinburgh, or EDI, classed as **behind**, and whose destination is also JFK.

Then there may also be passengers who joined the flight at Heathrow but whose destination is **beyond** JFK, perhaps at Los Angeles, denoted here by LAX. And then there may also be passengers on our London-New York flight whose origin is Edinburgh and whose destination is Los Angeles. We term these **bridge** passengers.

We’ll walk through this example to show you the outputs. We simply enter LHR in the Location 1 box, and then JFK in Location 2, then click on Run.

The screenshot displays the OAG Traffic Analyser interface. The top navigation bar includes links for Reports, Modules, My OAG, Reference, User Guide, and Your Account. The left sidebar lists parameters: Period, Types of Flights, Carrier, Origin & Destination, Point of Sale, and More. The main area is titled 'Mix Report' and contains several sections for configuring the report:

- Period:** Includes a dropdown for 'Month' (set to Mar) and 'Year' (set to 2017), with a 'To' field also set to Mar 2017. There is a checkbox for 'Use Time Series'.
- Types of Flights:** Features a 'Selected Flight Type' section with radio buttons for 'Operating Flights', 'Published Carrier', 'Codeshare Flights', 'Operating Carrier', and 'Both'. A 'Show By' section has radio buttons for 'Published Carrier' and 'Operating Carrier'.
- Carrier:** Includes a 'Carrier (Dominant)' text input field, an 'Add Exclusion' link, a 'Carrier Category' dropdown (set to 'All'), an 'Alliance' dropdown, and a checkbox for 'Include alliance affiliates'. There is also a 'Domicile' section with radio buttons for 'Country' and 'Region'.
- Origin & Destination:** Includes 'Location 1' and 'Location 2' sections. Each has a dropdown for 'Domestic/International' (set to 'All') and a text input field. Location 1 is set to 'LHR - London Heathrow Apt,' and Location 2 is set to 'JFK - New York J F Kennedy Interns'. There are 'Add Exclusion' links for each location.
- Location Pairs:** A section at the bottom with a '+' icon.

On the right side, there is a 'My Report' preview panel. It shows a summary of the current report selections: Period (Month: Mar2017 to Mar2017, Time Series: No), Types of Flights (Flight Type: Operating Flights, Show By: Published Carrier), and Origin & Destination (Location 1: Include: LHR, Location 2: Include: JFK). Below the preview, there is a 'Clear All' button and a message: 'This option will clear all report selections.' At the bottom right of the preview panel, there are 'Run' and 'Export' buttons.

3. Reports

The Segment report does not have a graph or map but, like the Segment report, the Mix report results are displayed in three tabs: Summary, Mix by Airline and Mix by Route. The Summary tab provides an overview of the total market size for the Locations you have chosen, and passengers are displayed by Local, Behind, Bridge and Beyond. This report also includes Average Fare data.

The Mix by Airline tab displays the data by airline, defaulting to the most popular carriers on the routing first.

The third tab, Mix by Route gives the breakdown of individual itineraries. Composition by routing type is not displayed here, but departure, gateways and arrival points are displayed.

The user guide link from Traffic Analyser for this report takes you to our website where there is a short video with a worked example of how to create a mix report.

Summary Mix By Airline Mix By Route

Number Of Rows Per Page 10 Filter Results

Market Pair	Estimated Passengers					Avg Fare (USD)				
	Total	Local	Behind	Bridge	Beyond	Avg	Local	Behind	Bridge	Beyond
LHR-JFK	100,851	61,995	18,992	2,807	7,057	756	854	513	448	528

1 result(s) found, displaying result(s) from 1 to 1. Page 1 / 1

Summary Mix By Airline Mix By Route

Number Of Rows Per Page 10 Filter Results

Market Pair	Airline	Estimated Passengers					Avg Fare (USD)				
		Total	Local	Behind	Bridge	Beyond	Avg	Local	Behind	Bridge	Beyond
LHR-JFK	BA	46,302	24,969	19,001	1,394	739	907	1,100	574	394	1,161
LHR-JFK	VS	28,515	22,009	4,513	266	2,525	400	425	213	316	421
LHR-JFK	AA	15,980	8,109	4,823	911	2,025	1,040	1,271	467	297	555
LHR-JFK	DL	6,872	0,807	304	27	1,733	609	601	1,100	690	441
LHR-JFK	PK	45	0	45	0	0	432	0	432	0	0
LHR-JFK	DW	18	0	18	1	0	180	0	180	0	0
LHR-JFK	SQ	30	0	28	1	0	2,067	0	3,177	0	1,077
LHR-JFK	KQ	23	0	23	0	0	485	0	485	0	0
LHR-JFK	MH	21	0	21	0	0	210	0	210	0	0
LHR-JFK	All	11	0	11	0	0	212	0	212	0	0

28 result(s) found, displaying result(s) from 1 to 10. Page 1 / 3

Summary Mix By Airline Mix By Route

Number Of Rows Per Page 10 Filter Results

Market Pair	Route				Airline	Estimated Passengers				Avg Fare (USD)
	Departure	Gateway 1	Gateway 2	Arrival		Local	Behind	Bridge	Beyond	
LHR-JFK	AAL	CPH	LHR	JFK	BA	0	2	0	0	0
LHR-JFK	AAQ	DME	LHR	JFK	BA	0	1	0	0	0
LHR-JFK	AAQ	SVO	LHR	JFK	BA	0	0	0	0	0
LHR-JFK	ABJ	CDG	LHR	JFK	AA	0	0	0	0	0
LHR-JFK	ABJ	CDG	LHR	JFK	BA	0	0	0	0	0
LHR-JFK	ADJ	CDG	LHR	JFK	VS	0	18	0	0	0
LHR-JFK	ABV	LHR		JFK	BA	0	79	0	0	179
LHR-JFK	ARI	LHR		JFK	VS	0	1	0	0	0
LHR-JFK	ABV	LHR	JFK	FLL	BA	0	0	2	0	0
LHR-JFK	ABV	LHR	JFK	MCO	BA	0	0	3	0	0

1000 result(s) found, displaying result(s) from 1 to 10. Page 1 / 100

3. Reports

3.4 Power Table Report

The Power Tables report is the most flexible feature of Traffic Analyser. It works on the same basis as the Schedules Analyser Power Table report and allows you to fully customise a report from scratch. The report is structured in a similar way to an Excel pivot table, allowing you to select data in different ways to slice the data.

The query page is similar to the other reports but much more detailed, as the data can be ordered in so many more ways and there is no pre-determined format for this report. The first field in this report's parameters are Dimensions and Metrics. It may be helpful to think of the selections you make in the power table as creating a table with this structure – with **dimensions** acting as the rows and columns that your data will be grouped into and the **metrics** providing the data to populate the columns

OAG traffic

ReportsModulesMy OAGReferenceUser GuideYour Account

Parameters

Dimension & Metrics

Period

Types of Flights

Carrier

Origin & Destination

Point of Sale

More

Power Table Report

Dimension & Metrics

Dimensions

Search Dimensions

Clear

Carrier

Origin & Destination

Point of sale

Currency

Distance

Metrics

Search Metrics

Clear

Bookings

Avg Fare

Revenue

Distance

Booking Class

Period

MonthFromMar2017ToMar2017

Use Time Series

Types of Flights

Selected Flight Type

Operating Flights

Codeshare Flights

Both

Show By

Published Carrier

Operating Carrier

Carrier

Carrier (Dominant)

Add Exclusion

Carrier Advanced

Carrier Leg 1

Add Exclusion

Carrier Leg 2

Add Exclusion

My Report

Current Report Selections

Clear AllThis option will clear all report selections.

RunExport

3. Reports

3.4 Power Table Report

There are 5 dimension headings and clicking on the arrow next to the box opens up the dimension to show all of the sub categories and clicking on the box next to the heading e.g. Carrier, selects all the sub categories in that dimension, or you can scroll down and select just the categories you need.

If you know what field you are looking for you can enter it into the 'Search Dimensions' box at the top and it will exclude the ones you don't need. You still need to click on the box to add the field you have searched for. Each dimension heading has numerous sub categories so using the search field can be helpful.

On the right of dimensions there are metrics. There are 5 options and all, or any combination of these, can be selected. Online fare data was added to metrics in June 2017. Be cautious of selecting more than you need as this could result in a very large report.

There are numerous dimensions and metrics available and a full list is available on in the glossary which you can find via the OAG user guide link from the bar at the top of Traffic Analyser.

Below the Dimensions, Metrics and Categories section there are similar options to the other reports which we have covered in earlier sections. The one addition is a currency field in the **More** section. The default currency is USD but there are a number of other currencies that can be selected.

All of these other selections operate in the same way as previously described. Once you have built the report with the dimensions and metrics you need, you simply click on **Run**. You will notice that there is just one tab in the My Report section, **Current Report Selections**. The outputs in the power table are different too. There are no graph or map options, just a data table, to allow you to then export and manipulate the data you need in whatever way required. A typical power table query would look like this:

Power Table Report

Dimension & Metrics

Dimensions

Metrics

Less ▾

Currency

Currency

USD ▾

3. Reports

OAG traffic

ReportsModulesMy OAGReferenceUser GuideYour Account

Parameters

Dimension & Metrics

Period

Types of Flights

Carrier

Origin & Destination

Point of Sale

More

Power Table Report

Dimension & Metrics

Dimensions

Metrics

Period

Types of Flights

Carrier

My Report

Current Report Selections

Dimensions & Metrics

Period

Types of Flights

Origin & Destination

Clear All

Run

Export

Arr

Clear

Carrier

Origin & Destination

Arr Airport Code

Arr Airport Name

Arr City Code

Arr City Name

Arr State Code

Arr State Name

Arr WAC State

Search Metrics

Bookings

Total Est. Pax

Bookings (Unadjusted)

Cabin First

Cabin Business

Cabin Premium Econom

Cabin Full Y

Cabin Discount Econom

Cabin First Unadjusted

Cabin Business Unadjus

Year

From

2016

To

2016

Use Time Series

Selected Flight Type

Show By

Operating Flights

Published Carrier

Codeshare Flights

Operating Carrier

Both

Carrier

Carrier (Dominant)

Dep Country Name

Routing

Gateway1 Airport Code

Arr Airport Code

Total Est. Pax

United Kingdom

EDI - LHR - DXB

LHR

L

Year: 2016 to 2016

Time Series: No

Flight Type: Operating Flights

Show By: Published Carrier

Traffic Type: O+D

To/From: No

Origin

Include: CN

Destination

Include: AFRICA

Direction: One Way

Flight Type: All

Clear All

This option will clear all report selections.

Run

Export

And once we've clicked **Run**, the output screen looks like this:

OAG traffic

ReportsModulesMy OAGReferenceUser GuideYour Account

Back to report fields

Export

Save Job Receipt

Schedule

Save

Showing 1 - 10 Of 1000 Results

Number Of Rows Per Page

10

Filter Results

Dep Country Name	Routing	Gateway1 Airport Code	Arr Airport Code	Total Est. Pax
China	PEK - JNB		JNB	12239
China	PVG - HKG - JNB	HKG	JNB	9657
China	PEK - HKG - JNB	HKG	JNB	5514
China	PEK - DXB - JNB	DXB	JNB	5439
China	FOC - HKG - JNB	HKG	JNB	5432
China	PEK - DXB - CPT	DXB	CPT	4288
China	PVG - DXB - JNB	DXB	JNB	3827
China	PVG - DXB - CPT	DXB	CPT	2405
China	CAN - NBO - JNB	NBO	JNB	2130
China	PVG - MRU - JNB	MRU	JNB	1951

1000 result(s) found, displaying result(s) from 1 to 10. Page 1 / 100

3. Reports

As we've selected routing we can clearly identify how Chinese bookings are routing into South Africa. We can see that both DXB and HKG are important hubs. The data here is just the starting point as the next step would be to extract it out into Excel and look at the total picture for China – South Africa.

As before, you can click on '**Back to report fields**' to amend the structure or data requested in the report, or you can select any of the other fields to either export, schedule or save this query.

Another aspect to consider could be to include a specific Gateway point – we could select HKG and then looking at what markets are feeding the **HKG** connection. We go back to the query and add in HKG to Gateway 1 and change our dimensions to just show Dep Airport Cd as displayed in the screen below:

The screenshot displays the OAG Traffic Analyser interface. On the left, the 'Parameters' section is visible, with 'Point of Sale' selected. The 'Origin & Destination' section shows 'China (CN)' as the origin and 'South Africa (ZA)' as the destination. The 'Gateway 1' section shows 'HKG' as the gateway. The 'Dimensions & Metrics' section shows 'Dep Airport Code' and 'Total Est. Pax' as the selected metrics. The 'Period' section shows 'Year: 2018 to 2018' and 'Time Series: No'. The 'Types of Flights' section shows 'Flight Type: Operating Flights' and 'Show By: Published Carrier'. The 'Origin & Destination' section shows 'Traffic Type: O+D', 'To/From: No', 'Origin: Include: CN', 'Gateway 1: Include: HKG', 'Destination: Include: ZA', 'Direction: One Way', and 'Flight Type: All'.

The 'My Report' section on the right shows the 'Current Report Selections' and the 'Dimensions & Metrics' section. The 'Dimensions & Metrics' section shows 'Dep Airport Code' and 'Total Est. Pax' as the selected metrics. The 'Period' section shows 'Year: 2018 to 2018' and 'Time Series: No'. The 'Types of Flights' section shows 'Flight Type: Operating Flights' and 'Show By: Published Carrier'. The 'Origin & Destination' section shows 'Traffic Type: O+D', 'To/From: No', 'Origin: Include: CN', 'Gateway 1: Include: HKG', 'Destination: Include: ZA', 'Direction: One Way', and 'Flight Type: All'.

The 'Run' button is highlighted in orange, and the 'Export' button is highlighted in blue.

We then click **Run** again and now we can see the results by departing airport point, showing us that Shanghai is the biggest source market.

As with other reports, this data can now be saved, scheduled to run again at a later date, or exported for further analysis in Excel.

The screenshot displays the OAG Traffic Analyser interface showing the results of the report. The table shows the following data:

Dep Airport Code	Total Est. Pax
PVG	11449
PCX	9140
PDC	8008
XIN	1754
HGH	1427
TAO	1414
NKG	1254
CTU	1202
CSX	1211
CAN	1064

The table is displayed on a page with 42 results found, displaying result(s) from 1 to 10. Page 1/5.

3. Reports

As previously noted, if the data you have requested results in less than 1,000 rows you can click on the paper image at the bottom right of the table to download it straight to a CSV file. If the report is larger than 1,000 rows, exporting will send it to the job bin to be processed and it can then be downloaded in your preferred format from there.

You can also expand the rows that are displayed in this output (and can do this in any of the other reports). You can select 10, 25, 50 or 100 rows to be displayed. You can also filter results by entering a relevant term e.g. airline code, airline name, airport name, etc. in the **Filter Results** box and the results will be displayed in the table. After filtering, again if the results run to less than 1,000 rows, you can select the paper icon to download just what you see on the screen, i.e. the filtered results.

When you export the Power Table, the full power table results will be shown, regardless of any filter you have added.

The screenshot shows the OAG Traffic Analyser interface. At the top, there is a 'Rows Per Page' dropdown menu set to 10, a 'Filter Results' search bar, and a 'Download' icon. Below this is a table with two columns: 'Frequency' and 'TimeSeries'. The table contains several rows of data, including a row with a frequency of 1,669. A dropdown menu is open over the 'Rows Per Page' dropdown, showing options for 10, 25, 50, and 100 rows per page.

Frequency	TimeSeries
10	2017-03-30
114	2017-03-30
19	2017-03-30
7	2017-03-30
20	2017-03-30
182	2017-03-30
4	2017-03-30
28	2017-03-30
13	2017-03-30
1,669	2017-03-30

3. Reports

3.5 Top X Report

The Top X Report is another customisable report, allowing you to consider a range of data by the Top 10, Top 20, Top 100 (you can show anything from the Top 1 – 1000). The report is structured in a similar way to the Power Table query page.

The screenshot displays the OAG Traffic Analyser interface for the 'Top X Report'. The top navigation bar includes links for Reports, Modules, My OAG, Reference, User Guide, and Your Account. The left sidebar lists various parameters: Dimensions and Metrics, Period, Types of Flights, Carrier, Origin & Destination, Point of Sale, and a More dropdown menu.

The main content area is titled 'Top X Report' and features several sections:

- Top X:** A dropdown menu set to '10' with a note '(Max = 1,000)'.
- Dimensions:** A list of dimensions including Carriers (Dominant), Departure Airport, Arrival Airport, Routes, Hub Airport, and Point of Sale.
- Metrics:** A list of metrics including Total Est. Pax, First Class, Business Class, Premium Class, Full Y Class, Disc Y Class, Total Revenue (USD), and Average Fare (USD).
- Period:** A date range selector set to 'Month' from 'Mar' 2017 to 'Mar' 2017, with a 'Use Time Series' checkbox.
- Types of Flights:** A section for 'Selected Flight Type' and 'Show By' with radio button options for Operating Flights, Published Carrier, Codeshare Flights, Operating Carrier, and Both.
- Carrier:** A section for 'Carrier (Dominant)' with a text input field, an 'Add Exclusion' link, and checkboxes for 'Carrier Advanced', 'Carrier Leg 1', 'Carrier Leg 2', and 'Carrier Leg 3', each with its own text input and 'Add Exclusion' link.

On the right side, there is a 'My Report' panel with tabs for 'Current Report Selections' and 'More Report Options'. Below these tabs is a large blue area. At the bottom of this panel, there is a 'Clear All' button and a message: 'This option will clear all report selections.' Below this, there are 'Run' and 'Export' buttons.

In this report there are 6 dimensions to choose from (carriers, departure airport, etc) and 8 different criteria (Seats (Total), Frequency, etc) to slice the data by. To select **dimensions and metrics** in this report, you click on them. Once you've done that you simply click on **Run** and the results are displayed as shown in the example below. We've chosen an example to illustrate how to run this report. We've selected the Top 20 Routes as our dimension, Total Est. Pax and Total Revenue as our metrics, and for the time period we've chosen the current month, and finally, in the Origin and Destination field, we've selected to and from DXB.

3. Reports

Parameters

Dimensions and Metrics

Period

Types of Flights

Carrier

Origin & Destination

Point of Sale

More ▾

Top X Report

Top (Max = 1,000)

Dimensions

- Carriers (Dominant)
- Departure Airport
- Arrival Airport
- Routes
- Hub Airport
- Point of Sale

Metrics

- Total Est. Pax
- First Class
- Business Class
- Premium Class
- Full Y Class
- Disc Y Class
- Total Revenue (USD)
- Average Fare (USD)

Period

Month ▾ From To

☐ Use Time Series

Types of Flights

Selected Flight Type

Show By

- ☒ Operating Flights
- ☐ Published Carrier
- ☐ Codeshare Flights
- ☐ Operating Carrier
- ☐ Both

Carrier

Carrier (Dominant)

[Add Exclusion](#)

☐ Carrier Advanced

Carrier Leg 1

[Add Exclusion](#)

My Report

Current Report Selections

More Report Options

Dimensions & Metrics

Top : 10

Dimensions : Routes

Metrics : Total Est. Pax, Total Revenue (USD)

Period

Month: Mar2017 to Mar2017

Time Series: No

Types of Flights

Flight Type: Operating Flights Show By: Published Carrier

Origin & Destination

Origin

Include: DXB

To/From : Yes

Direction: One Way

[Clear All](#) This option will clear all report selections.

[Run](#) [Export](#)

More than one dimension and metric can be selected and in the example above we've selected two metrics. If we were to export this and carry out some more analysis we could easily calculate average fares by carrier for this data set.

A table for each metric is displayed in the output sheet. If we had selected more than one Dimension we could toggle between them. When you export this report, each table will be displayed on a separate worksheet in Excel.

All the other selections operate in the same way as previously described.

Total Est. Pax			Total Revenue (USD)		
Rank	Route	Total	Rank	Route	Total
1	DXB-DOH	68,296	1	DXB-LHR	27,273,852
2	DOH-DXB	66,483	2	LHR-DXB	25,092,492
3	DXB-KWI	78,420	3	RUH-DXB	15,427,851
4	KWI-DXB	76,091	4	DXB-RUH	13,202,468
5	RUH-DXB	29,843	5	JED-DXB	9,806,440
6	DXB-BOM	58,778	6	IFK-DXB	9,145,051
7	BOM-DXB	36,222	7	DXB-JED	8,943,969
8	LHR-DXB	67,818	8	DXB-CDG	8,444,511
9	DXB-RUH	55,931	9	DXB-BKK	7,968,074
10	DXB-LHR	84,889	10	KWI-DXB	7,879,428

3. Reports

3.6 Connections Report

The Connections Report is very similar to the O&D Report, with just one main difference, the addition of a Connecting Point option in the Origin and Destination field.

Parameters

Period

Types of Flights

Carrier

Origin & Destination

Point of Sale

More ▾

Connections Report

Period

Month ▾ From Mar ▾ 2017 ▾ To Mar ▾ 2017 ▾

Types of Flights

Selected Flight Type Show By

☒ Operating Flights ☒ Published Carrier

☐ Codeshare Flights ☐ Operating Carrier

☐ Both

Carrier

Carrier (Dominant)

[Add Exclusion](#)

Alliance

☐ Include alliance affiliates

Domicile

☒ Country ☐ Region

[Add Exclusion](#)

Origin & Destination

☐ To/From

Origin

☒ Airport ☐ City ☐ State ☐ Country ☐ Region

[Add Exclusion](#)

Over

☒ Airport ☐ City ☐ State ☐ Country ☐ Region

[Add Exclusion](#)

Destination

☒ Airport ☐ City ☐ State ☐ Country ☐ Region

Direction

One Way ▾

Connections

▾ ▾

Domestic / International

All ▾

My Report

Current Report Selections

Customise Report

More Report Options

[Clear All](#) This option will clear all report selections.

[Run](#) [Export](#)

3. Reports

The connecting point is selected as the **Over** point. This allows you to analyse the traffic connecting over a particular point to look at the strength or otherwise of the 'hub' traffic. For example this could be SYD – DXB traffic connecting over SIN.

All of the other selections operate in the same way as previously described.

We'll work through a short example of the Connections report and we're going to take another look at a query that we used previously in the Mix report worked example, where we consider traffic flows from China to South Africa. The first step is to select the date, we'll look at the full year of 2016, and then our origin point – China – then the connecting point which is Hong Kong. The destination country is South Africa.

The screenshot below shows the Connections Report with all of these criteria selected:

The screenshot displays the OAG Traffic Analyser interface for the 'Connections Report'. The main panel on the left contains search parameters, while a sidebar on the right provides a summary of the selected criteria.

Parameters

- Period**: Year (2016) From (2016) To (2016)
- Types of Flights**: Selected Flight Type (Operating Flights, Published Carrier, Codeshare Flights, Operating Carrier, Both) Show By (Published Carrier, Operating Carrier)
- Carrier**: Carrier (Dominant) (Add Exclusion)
- Alliance**: (Include alliance affiliates)
- Domicile**: Country (Region) (Add Exclusion)
- Origin & Destination**: To/From (Origin: China (CN), Direction: One Way, Connections: All, Domestic / International: All, Over: HKG - Hong Kong International Apt, Destination: South Africa (ZA))

My Report

- Current Report Selections**: Period (Year: 2016 to 2016, Time Series: No), Types of Flights (Flight Type: Operating Flights, Show By: Published Carrier), Origin & Destination (Origin: CN, Destination: ZA, To/From: No, Direction: One Way)
- Clear All**: This option will clear all report selections.
- Run** **Export**

3. Reports

We then click **Run** and the results appear in the table below the report as shown in the screenshot below. There are 4 tabs (which can be added or removed in the Customise Report tab), and in this instance, the O&D output is probably most useful as you can see at a glance where the main source destinations are connecting over HKG to and from China onto South Africa. In addition to what we saw in the Mix Report, this report provides a breakdown by class of travel.

[Reports](#)
[Modules](#)
[My OAG](#)
[Reference](#)
[User Guide](#)
[Your Account](#)

[Back to report fields](#)
[Export](#)
[Save Job Receipt](#)
[Schedule](#)
[Save](#)

[Transfers](#)
[Origin](#)
[Destination](#)
[O+D](#)

Number Of Rows Per Page		Filter Results			
10					
Estimated Passengers					
Origin	Connecting Over	Destination	Total	First	Business
PVG	HKG	JNB	9,657	27	571
PEK	HKG	JNB	5,514	12	806
FOC	HKG	JNB	5,432	33	46
XMN	HKG	JNB	1,512	8	29
TAO	HKG	JNB	1,260	20	51
HGH	HKG	JNB	1,191	6	19
NKG	HKG	JNB	1,180	11	41
CSX	HKG	JNB	1,151	2	23
PVG	HKG,JNB	CPT	1,131	2	40
CTU	HKG	JNB	1,113	8	45

370 result(s) found, displaying result(s) from 1 to 10. Page 1 / 37

4. My OAG

In this section we will take a look at some of the general functions that run across Traffic Analyser. These are very similar to those in Schedules Analyser. These include the ability to save reports; run scheduled reports at a certain time regularly; and to customise groups of information to make running reports with similar query types easier. There is also a detailed reference section where you can look up information on a range of areas.

These are all useful steps that should help you to make the most of your Analyser experience.

Modules	<u>My OAG</u>	Reference	User Guide	Your Account
	Saved Reports Scheduled Reports Job Bin Job Receipts Customise Groups User Preferences			

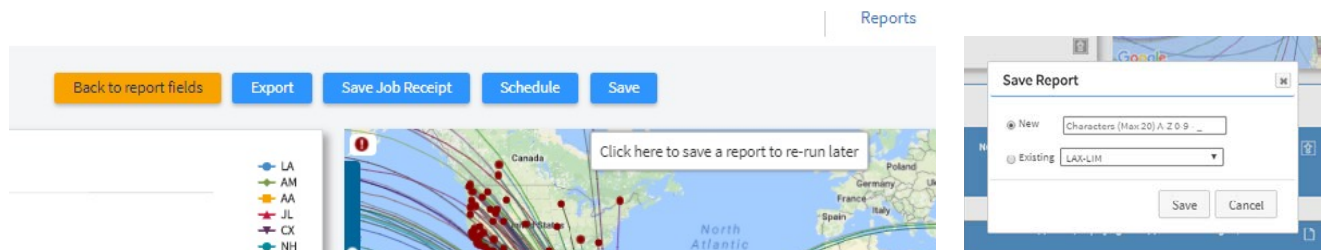
In the table below we identify what each field can be used for:

My OAG Fields	What can I use it for?
Saved Reports	Save reports to allow them to be run again
Scheduled Reports	Schedule reports to run regularly e.g. daily, weekly, etc.
Job Bin	Collecting reports once they have been processed
Job Receipts	View job receipts
Customise Groups	Set up a range of criteria to suit your needs
Airline	Set up pre-set airport groups e.g. by ownership or other criteria
Airport	Set up pre-set city groups e.g. capital cities
City	Set up pre-set country groups e.g. EU countries or ASEAN countries
Country	Set up pre-set region groups e.g. Latin America, Africa, etc
Region	Set up pre-set aircraft type groups e.g. Long haul aircraft, etc
Equipment	Set up pre-set aircraft type groups e.g. Long haul aircraft, etc
User Preferences	Set up default preferences across a range of functions

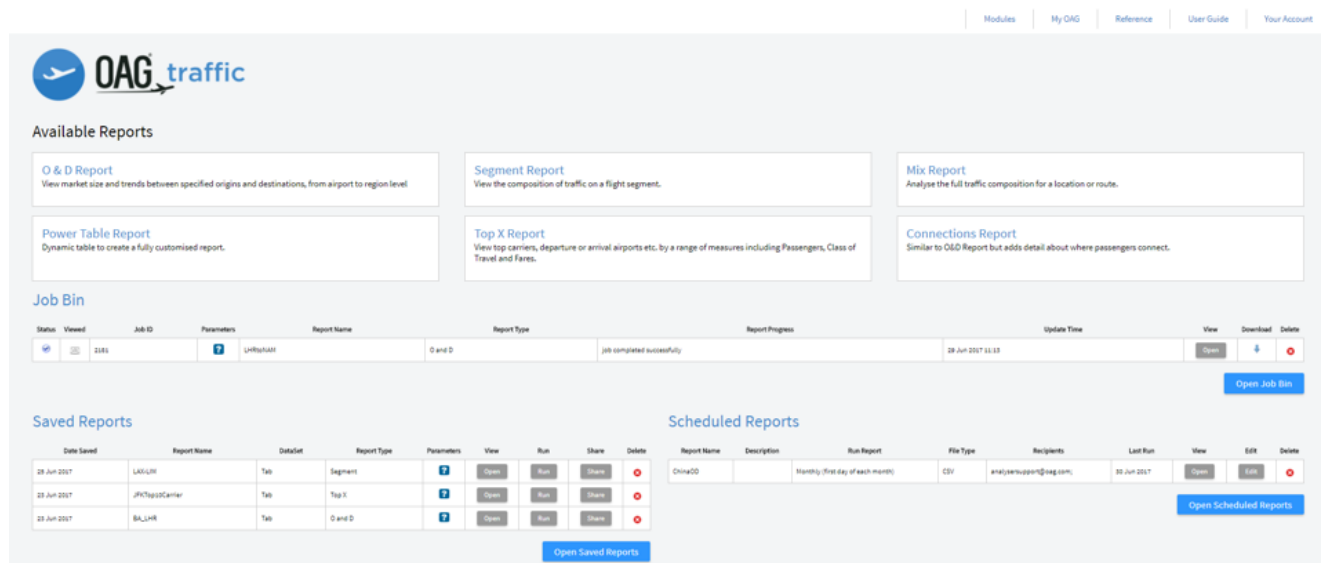
4. My OAG

4.1 Saving & Scheduling Reports

Saving a report and naming it means you can return at any time and re-run the report based on your original query, or amend some of the details and revisit it. To save a report in any of the Traffic Analyser reports you simply click on **Save** which is located at the top of the report output screen, next to Schedule. This opens up a box, as shown in the screenshot below, and all you need to do is enter a name for the report and then click on **Save**.



Once you've saved a report, you can view it from the Saved Reports option in My OAG as displayed below. My OAG can be accessed at any time from the main toolbar at the top of the screen. In the example below we've called a report LAX-LIM and you can see it then appears in the list of Saved Reports.

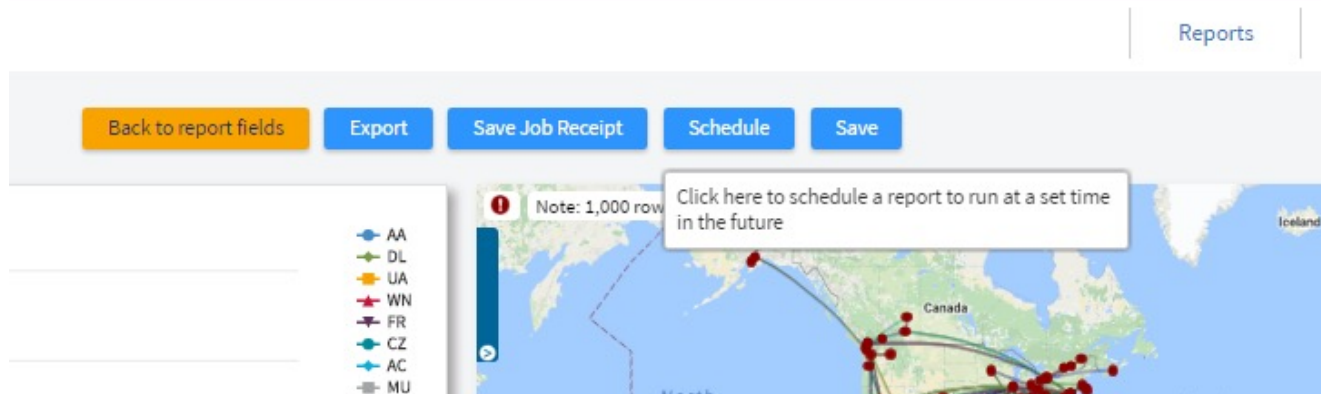


To re-run the report you simply click on **run**, or **open** if you need to edit it. As well as saving reports you can schedule them to be run regularly and emailed to a single or multiple addresses on a daily, weekly, monthly or quarterly basis. Reports can be deleted here too. Clicking on the blue **Open Saved Reports** box takes you to the Saved Reports screen. You can also click through to Saved Reports from the My OAG link at the top of the screen.

4. My OAG

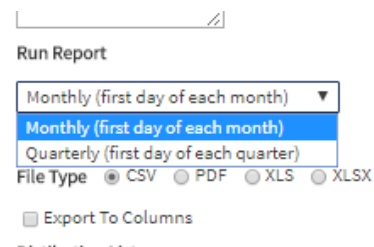
4.2 Scheduling Reports

As well as saving reports you can schedule them to be run regularly and emailed to a single or multiple addresses on a daily, weekly, monthly or quarterly basis.

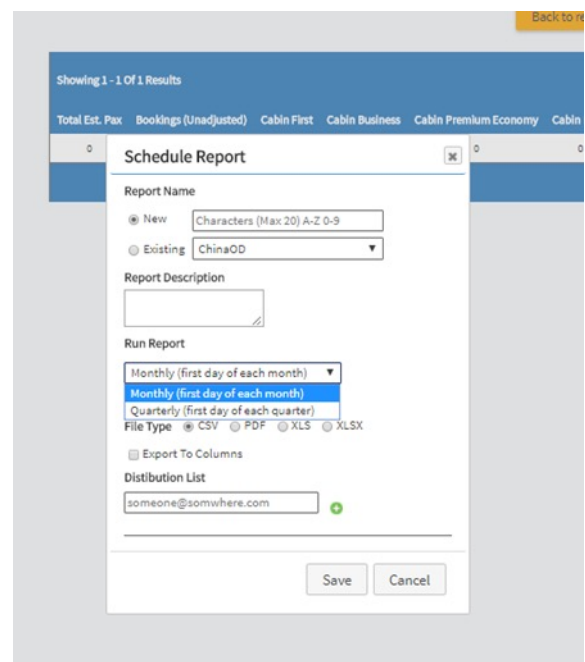


Clicking on **schedule** opens the following box:

You give the report a name, and can add a description – useful if you are sending this onto other people, and then select the frequency you need. There are 2 different time options and the report will run at this frequency until you delete it.



You can then select rolling dates which is the default, or uncheck that, and the required output format. Finally, add the email addresses you want the report distributed to and click **save**.



The report then appears in your scheduled reports summary on the home page and can also be accessed (in the same way as saved reports) either by clicking on the blue box with **Open Scheduled Reports** or by going via the **My OAG** section at the top of the screen.

You can click on open to view the parameters in the scheduled report, or on edit to change them.

Scheduled Reports							
Report Name	Description	Run Report	File Type	Recipients	Last Run	View	Edit
My first report		Daily (each morning)	CSV	joelings@anytown.com		Open	Edit
Open Scheduled Reports							

4. My OAG

4.3 Customising Data

A helpful feature in OAG Analyser is the ability to set up groups of data – you can do this for carriers, cities, countries, equipment, airports, regions and states. Any that you save in other OAG Analyser modules, such as Schedules Analyser, will also appear here. The process for setting up these different types of groups is exactly the same. We'll run through an example of how to set up a carrier group in the steps below:

Customise Groups

Select a group type: ☒ Airline ☐ Airport ☐ City ☐ Country ☐ Region ☐ Equipment

Groups : Carrier

Create or Edit Group

Search by Carrier

Or enter multiple carriers in the following format:

AA,DL,UA,BA
or
AA
DL
UA
BA

Save Group

☒ New ☐ Existing

Saved Groups

Showing 1 - 2 Of 2 Results

Number Of Rows Per Page 10 Filter Results

Name	Carrier Selection	Last Updated At	Created At	Add	Delete
European LCCs	4U,DB,DY,EW,FR,HV,LS,TO,U2...	Mar 28 2017, 12:13	Mar 28 2017, 12:13	<input type="button" value="Add"/>	<input type="button" value="Delete"/>
My 1st Group	AA,DL,UA	Mar 21 2017, 13:35	Mar 21 2017, 13:35	<input type="button" value="Add"/>	<input type="button" value="Delete"/>

2 result(s) found, displaying result(s) from 1 to 2. Page 1 / 1

At the top, select the type of group you want

Customise Groups

Select a group type: ☒ Airline ☐ Airport ☐ City ☐ Country ☐ Region ☐ Equipment

Then, in the **Create or Edit Group** box, start to enter the names of the carriers (or airports, cities, etc) that you want to add to the group. You can add them one by one, or copy in a list from elsewhere, provided it matches the format described in the box.

Then, type in a name for the group in the new box and click on **Save**. The group will then appear in your list of Saved Groups. The process to save a group is the same across all of the rest of the group types.

Create or Edit Group

Search by Carrier

Or enter multiple carriers in the following format:

AA,DL,UA,BA
or
AA
DL
UA
BA

Save Group

☒ New ☐ Existing

Saved Groups

Showing 1 - 3 Of 3 Results

Number Of Rows Per Page 10 Filter Results

Name	Carrier Selection	Last Updated At	Created At	Add	Delete
European LCCs	4U,DB,DY,EW,FR,HV,LS,TO,U2...	Mar 28 2017, 12:13	Mar 28 2017, 12:13	<input type="button" value="Add"/>	<input type="button" value="Delete"/>
My 1st Group	AA,DL,UA	Mar 21 2017, 13:35	Mar 21 2017, 13:35	<input type="button" value="Add"/>	<input type="button" value="Delete"/>
US Majors	AA,DL,UA	Mar 30 2017, 19:15	Mar 30 2017, 19:15	<input type="button" value="Add"/>	<input type="button" value="Delete"/>

3 result(s) found, displaying result(s) from 1 to 3. Page 1 / 1

4. My OAG

4.4 User Preferences

The last function in My OAG is that you can set up several default preferences across a range of functions, depending on how you wish to view results. You can select defaults for Export File Types, Distance Measurement, Flight Type, Carrier Category, Period, Alliance, Cabin Type, Show Map, Show Graph and Google Map Regions

Whatever you select here will be pre-set into your reports, so it's worth bearing that in mind when preselecting preferences. You simply click on your preferred option and then click **Save**. Pre-set preferences can be overridden when running reports by changing the selection in the report

User Preferences

Period

☒ Not set

☐ Year

☐ Quarter

☐ Month

Flight Type

☒ Not set

☐ All

☐ International

☐ Domestic

Cabin Type

☒ Not set

☐ All

☐ First

☐ Business

☐ Discount Economy

☐ Full Y

☐ Premium Economy

Carrier Category

☒ Not set

☐ All

☐ Low-cost

☐ Mainline

Google Map Region

☒ Not Set

☐ Inside China

☐ Outside China

Show Graph

☒ Not set

☐ True

☐ False

Distance Measurement

☒ Not set

☐ Kilometres

☐ Miles

☐ Nautical Miles

Alliance

☒ Not set

☐ Atlantic Excellence

☐ Global Excellence

☐ oneworld

☐ Qualifier Group

☐ Sky Team Affiliate

☐ SkyTeam

☐ Star Alliance

☐ Wings

☐ WOW Cargo Alliance

Export File Type

☒ Not set

☐ CSV

☐ PDF

☐ XLS

☐ XLSX

Show Map

☒ Not set

☐ True

☐ False

Save

5. Reference

There is also a reference section where you can look up information on airport, airline and aircraft codes; review which carriers are included in each alliance group; check season dates; check which countries fit into each region grouping; check distances between two airports or two cities; and also review minimum connecting times (MCT) between two airports.

This reference section is common across other Analyser modules and can be found in the bar at the top right of the screen.

We'll take a quick look at some of the reference tables and how they work.



[Airport Codes](#) [Airline Codes](#) [Aircraft Codes](#) [Alliances](#) [Seasons](#) [Country/Region](#) [MCT](#) [Distance Calculator](#)

Airport Codes Report

Location Point

☒ Airport ☐ City ☐ Country ☐ Region

☐ Include Bus/Rail Stations

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Reference Area	What can I use it for?
Airport Codes	Which airports are located in a city, country or region and what are their three letter codes
Airline Codes	Which carriers operate in which countries and what are their codes
Aircraft Codes	Understanding which aircraft codes belong to which manufacturer
Alliances	Which carriers belong to each alliance, alliance members by country
Seasons	Dates for seasons by winter and summer
Country/Region	Which countries are located in which region
MCT	Understand the minimum connecting time for an airport and/or specific carrier
Distance Calculator	Understand the distance between two airports or cities.

5. Reference

5.1 Airport Codes

By selecting a country in the location point, all the airports in that country are displayed, with airport codes, city name and latitude and longitude points. This table can then be exported to Excel. You can also search by airport, by city or by region.

Airport Codes Report

Location Point
☐ Airport ☐ City ☒ Country ☐ Region
 ☐ Include Bus/Rail Stations [Export to Excel](#)

Number of rows per page

IATA	Airport Name	City Name	Country Name	WAC State	WAC Sub Country	WAC Country	Longitude	Latitude	Eff From	Eff To
AAM	Mala Mala	Mala Mala	South Africa			562	031.32.41E	24.49.05S	01Aug2001	31Jan2002
AAM	Mala Mala	Mala Mala	South Africa			562	031.32.41E	24.49.05S	01Oct2002	31Dec2020
ALJ	Alexander Bay	Alexander Bay	South Africa			562	016.32.00E	28.34.00S	01Jan1996	31Dec2020
BFN	Bloemfontein	Bloemfontein	South Africa			562	026.18.09E	29.05.34S	01Jan1996	31Dec2020
BIY	Bisho	Bisho	South Africa			562	027.17.00E	32.54.00S	01Jan1996	31Dec2020
CPT	Cape Town	Cape Town	South Africa			562	018.36.00E	33.57.53S	01Jan1996	16Dec2013
CPT	Cape Town	Cape Town	South Africa			562	018.36.00E	33.57.53S	17Dec2013	31Dec2020
DUR	Durban Louis Botha Airport	Durban	South Africa				031.06.59E	29.36.52S	01Jan1996	05Jul1996
DUR	Durban King Shaka International Apt	Durban	South Africa			562	031.06.59E	29.36.52S	05Jul1996	31Dec2020
ELL	Ellisras	Ellisras	South Africa			562	027.41.00E	23.44.00S	17Feb2014	31Dec2020

63 airports found, displaying 10 airport(s), from 1 to 10. Page 1 / 7.

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5.2 Airline Codes

By selecting a country and leaving the carrier box blank, all the carriers in that country are displayed, with the airline IATA (2 letter) code and airline name. This table can then be exported to Excel.

You can also type in a carrier if you want to know its 2 letter code, or vice versa – if you have the code and want to know the name.

Airline Codes Report

Carrier ☐ Low Cost Only
Country [Export to Excel](#)

Number of rows per page

IATA	Prefix	Airline Name	Country Name	Eff From	Eff To
4M	469	African Star Airways	South Africa	01Oct1999	31Dec2000
4M	469	African Star Airways	South Africa	01Sep2001	31Jan2002
4R		Spurwing Air	South Africa	01Jan1996	03May1996
4Z	749	South African Airlink	South Africa	30Mar1996	02May1997
4Z	749	SA Airlink	South Africa	03May1997	05Jul2012
4Z	749	South African Airlink	South Africa	05Jul2012	31Dec2020
5T	518	Airlink	South Africa	01Jan1996	30May1997
5Z		Cemair	South Africa	17Feb2014	31Dec2020
6P	478	Gryphon Airlines	South Africa	01Sep2011	31Dec2020
7V	739	Pelican Air	South Africa	01Nov2002	31Mar2009

59 airlines found, displaying 10 airline(s), from 1 to 10. Page 1 / 6.

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5. Reference

5.3 Aircraft Codes

If you wanted to know all of an aircraft manufacturer's aircraft codes and types, you can key in the name e.g. Boeing or Airbus and all results will be displayed.

You can do the same by aircraft type e.g. 787 or 380.

Aircraft Codes Report

Equipment

Manufacturer

Run

Number of rows per page [Export to Excel](#)

IATA	Manufacturer	Aircraft Name	Call Name	Eff From	Eff To
703	Boeing	Boeing 707-320B/320C (Passenger)	Pure Jet - Narrow body	01Jan1996	31Dec2020
707	Boeing	Boeing 707 Passenger all Series	Pure Jet - Narrow body	01Jan1996	31Oct2000
707	Boeing	Boeing 707 Passenger all Series	Pure Jet - Narrow body	01Oct2001	31Oct2001
707	Boeing	Boeing 707/720 Passenger	Pure Jet - Narrow body	01Jun2003	31Dec2020
70F	Boeing	Boeing 707 (Freighter)	Pure Jet - Narrow body	01Jan1996	31Jan2003
70F	Boeing	Boeing 707-320B/320C (Freighter)	Pure Jet - Narrow body	01Feb2003	31Dec2020
70M	Boeing	Boeing 707 (Mixed Config)	Pure Jet - Narrow body	01Jan1996	30Nov1996
70M	Boeing	Boeing 707 (Mixed Config)	Pure Jet - Narrow body	01Aug1999	31Dec2020
717	Boeing	Boeing 717	Pure Jet - Narrow body	01Oct1999	31Jan2003
717	Boeing	Boeing 717-200	Pure Jet - Narrow body	01Feb2003	31Dec2020

181 aircraft found, displaying 10 aircraft(s), from 1 to 10. Page 1 / 19.

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Aircraft Codes Report

Equipment

Manufacturer

Run

Number of rows per page [Export to Excel](#)

IATA	Manufacturer	Aircraft Name	Call Name	Eff From	Eff To
380	Airbus Industrie	Airbus A380-800 Passenger	Pure Jet - Wide body	01Oct2007	31Dec2020

1 aircraft found, displaying 1 aircraft(s), from 1 to 1. Page 1 / 1.

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5.4 Alliance Codes

This reference report allows you to search by alliance – which returns all the carriers in each alliance; or by carrier, or by country. Like previous reports this data can be exported to Excel for future reference

Alliance Codes Report

Alliance

Carrier

Country

Run

Number of rows per page [Export to Excel](#)

Alliance	IATA	Airline Name	Active	Affiliate	Host Country	Eff From	Eff To
oneworld	AA	American Airlines	Yes	No	USA	01Feb1999	31Dec2020
oneworld	AB	Air Berlin	Yes	No	Germany	20Mar2012	31Dec2020
oneworld	AY	Finnair	Yes	No	Finland	01Sep1999	31Dec2020
oneworld	BA	British Airways	Yes	No	United Kingdom	01Feb1999	31Dec2020
oneworld	CP	Canadian Airlines	No	No	Canada	01Feb1999	01Jun2000
oneworld	CX	Cathay Pacific					
oneworld	CK	Cathay Pacific					
oneworld	EI	Aer Lingus					
oneworld	IB	Iberia					
oneworld	IT	Kingfisher Air					

42 alliances found, displaying 10 alliance(s), from 1 to 10. Page 1 / 4.

Alliance Codes Report

Alliance

Carrier

Country

Run

Number of rows per page [Export to Excel](#)

Alliance	IATA	Airline Name	Active	Affiliate	Host Country	Eff From	Eff To
Star Alliance	SA	South African Airways	Yes	No	South Africa	10Apr2006	31Dec2020

1 alliances found, displaying 1 alliance(s), from 1 to 1. Page 1 / 1.

5. Reference

5.5 Seasons

This reference report allows you to establish the start and end dates of summer and winter seasons going back to 1996.

You simply select the season you want and the years and the dates are displayed.

Season	From Date	To Date
Summer	31Mar2013	26Oct2013
Summer	30Mar2014	25Oct2014

5.6 Country/Region Codes

This reference report allows you to establish what countries are included in a region – either by searching for a region or by a specific country.

Country Code	Country Name	DOT Country Code	Long(dec)	Lat(dec)	Region Code	Region Name	Eff From	Eff To
AO	Angola	502	18.0	-12.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
BW	Botswana	510	25.0	-22.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
LS	Lesotho	536	28.0	-30.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
MW	Malawi	542	34.0	-13.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
MZ	Mozambique	550	35.0	-18.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
NA	Namibia	575	17.0	-22.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
SZ	Swaziland	582	32.0	-27.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
ZA	South Africa	562	24.0	-28.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
ZM	Zambia	587	26.0	-15.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
ZW	Zimbabwe	555	29.0	-19.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020

5. Reference

5.7 MCT – Minimum Connection Times

In this reference table you can query the minimum connecting time by airport and/or by carrier. Results are displayed by sector type and for active connections at the query airport. The OAG data includes MCT exceptions at airports for specific airlines.

MCT Lookup Report

Airport

Johannesburg International (JNB)

Carrier

South African Airways (SA).

Minimum connect times for: Johannesburg International (JNB)

Minimum connect times as at: 20-02-2014

World-wide Industry Defaults

Type	MCT Status	MCT Time
Inter-Airport	DOM-DOM	20
	DOM-INT	60
	INT-DOM	60
	INT-INT	60
Intra-Airport	DOM-DOM	240
	DOM-INT	240
	INT-DOM	240
	INT-INT	240

Defaults

MCT Time (min)	Airports	Terminal to Terminal	MCT Status
60	JNB		DOMESTIC TO DOMESTIC
90	JNB		DOMESTIC TO INTERNATIONAL
90	JNB		INTERNATIONAL TO DOMESTIC

16 44 6 8 20 21

3 result(s) found, displaying 3 result(s), from 1 to 3. Page 1 / 1

3 result(s) found, displaying 3 result(s), from 1 to 3. Page 1 / 1

Exceptions

Number of rows per page: 10

Arrival Airport Code	MCT Time (min)	MCT Status	Departure Airport Code	Arrival Airline Code	Incoming Flight Number(s)	Departure Airline Code	Outgoing Flight Number(s)
JNB	90	DOMESTIC TO INTERNA		SA -South African Airways		SV -Saudi Arabian Airlines	
JNB	90	INTERNA TO DOMESTIC		SV -Saudi Arabian Airlines		SA -South African Airways	
JNB	45	INTERNA TO INTERNA		SA -South African Airways	0145-	SA -South African Airways	0207-
JNB	45	INTERNA TO INTERNA		SA -South African Airways	0145-	UA -United Airlines	7917-
JNB	90	INTERNA TO INTERNA		SA -South African Airways	7150-7165	SA -South African Airways	
JNB	90	INTERNA TO INTERNA		SA -South African Airways	8103-	SA -South African Airways	
JNB	90	INTERNA TO INTERNA		SA -South African Airways	8159-	SA -South African Airways	
JNB	90	INTERNA TO INTERNA		SA -South African Airways	8165-	SA -South African Airways	
JNB	75	INTERNA TO INTERNA		AF -Air France		SA -South African Airways	
JNB	90	INTERNA TO INTERNA		VS -Virgin Atlantic Airways		SA -South African Airways	

5.8 Distance Calculator

This reference report allows you to query the distance in miles, kilometres or nautical miles, between two airports or cities.

Distance Calculator

Type of Calculation
☒ Origin and Destination ☐ Path

Units
Miles ▼

Origin
☒ Airport ☐ City
Johannesburg International (JNB)


Destination
☒ Airport ☐ City
Cape Town (CPT)

Path
☒ Airport ☐ City

Plot Options Run

Result from Johannesburg International to Cape Town in M

From	To	Distance
Johannesburg International	Cape Town	790 M



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