

Flightnet user file interface specification

Revision History

Date	Version	Description	Author
12.4.2011	1.0.0		Conrad von Mandach
1.5.2014	1.0.01	Small corrections	Conrad von Mandach
4.2.2017	1.1	With Flightnet V4.10, a user can be related to multiple categories. The current "Category" has restricted coverage (see field description)	Conrad von Mandach
8.12.2017	1.2	Added CustomerID and CompanyName as fields	Conrad von Mandach

Data types

Data type	Description	Remark
[n]AN	Alphanumeric text. The number prefix indicates the maximum length (not to be exceeded)	Data must not contain TAB characters
Bool	Boolean value. The following expressions are permitted: <ul style="list-style-type: none">• false• true• (empty string)	
Integer	Integer number	
Date	Date with format yyyymmdd All date parts must be delivered with numeric values (e.g. 20110731)	

Scope

This document specifies the file used for user data export and import in Flightnet. A file meeting this specification can be manually down- and uploaded in Flightnet. There will be a corresponding menu command for this feature.

This feature allows a round trip usage of the data:

1. Download the current user file from Flightnet
2. Modify the user file offline
3. Upload the modified user file to Flight

Please carefully and entirely read this document before using the interface.

Operations

The following operations are possible with data export & import:

- data export of user data
- import of updated user data
- import of new users

User deletion: This interface does not allow you to delete users. Such a task must be done through the web interface due to its complexity.

The export file can optionally include users that have been deleted within the last 365 days.

The file can be edited with any suitable application. *Please note that if you use Microsoft Excel, you should import data with the corresponding function and not simply open it by double click.* This will allow you to define the data type for each column, which is particularly important for phone numbers (which should be of data type text rather than number). Otherwise, Excel may misinterpret phone numbers and skip the leading “+” which will result in error messages when reimporting the file.

Field structure

Position	Field name	Data type	Mandatory	Remark
1	Username	15AN	✓	The user name is the primary key and therefore has to be unique. If a user name cannot be found in Flightnet, it is assumed that it is a new user so the record is added. A user name must not appear more than once in the file, otherwise the import will fail.
2	CustomerID	15AN		
3	CompanyName	50AN		
4	LastName	50AN	✓	
5	FirstName	15AN	✓	
6	Street	100AN		
7	AdditionalField	50AN		
8	ZipCode	12AN		
9	City	20AN		
10	Country	50AN		
11	PhonePrivate	18AN		
12	PhoneBusiness	18AN		
13	PhoneMobile	18AN		Use the international format: “+” + country code + regional code + number, e.g. +41791234567 This is to needed to ensure proper SMS transmission
14	Birthdate	Date		
15	CurrentEmailAddress	255AN		
16	NewEmailAddress	255AN		
17	NewPassword	15AN	(✓)	New users: if you do not specify a password, then a random password is generated. Existing users: leave blank if you don't want to change the password <i>After data import, you can send an email with the login data to the user by using the user administration</i>
18	Usergroup	50AN	✓	One value out of the user group

				names defined in Flightnet
19	UserResourcegroup	50AN		One value out of the user resourcegroup keys defined in Flightnet
20	UserCategory	50AN		One value out of the user category keys defined in Flightnet. Caution: the content of this field has changed in V4.10, since now multiple values are allowed per user. For compatibility reasons, this field contains the <u>first</u> selected value, of the list. This field now is read-only. No data is changed on upload.
21	Language	de, fr, it, gb, us	✓	Language code (gb=English 24h, us=English AM/PM)
22	ReservationLimit	Integer	✓	-1 if the global reservation limit shall be applied 0 if there is no limit for this individual >0 any number > 0 indicates an individual reservation limit (hours) Default: -1
23	ShowUserNotification	Bool	✓	If active, the global notification text (see company > settings > user) is displayed to this particular user
24	HideName	Bool	✓	
25	HideAddress	Bool	✓	
26	WaiveReservationRequest	Bool	✓	
27	LicenceNumber	50AN		
28	MembershipExpirationDate	Date		
29	LastAddressChange*	Date		READ ONLY Date of the last online change of address data
30	LastContactChange*	Date		READ ONLY Date of the last online change of contact data (phone, email etc.)
31	IsDeleted*	Bool		READ ONLY This column allows to determine deleted users

Remarks

- Fields marked with * are export fields only. The content will be disregarded in the import process.
- LastAdressChange and LastContactChange indicate the last manual change through the web interface and are used to determine recent changes. Upload of new user data through this interface will not change these dates.
- If the "Include deleted users" option for file export is enabled, the deleted users of the last 365 are included in the file
- The expression "[User_is_deleted!]" is added to all deleted users to prevent reimport
- Mandatory fields must have a value.
- Non-mandatory fields can be blank. In such case, the previous value will be deleted in the database.

- For new user entities, Flightnet will apply default values to fields that aren't covered by this interface (e.g. "List as a pilot" = yes, "List as an instructor" = According to license etc.)



Please note that read only columns will always be the last columns. If any new read/write columns will be inserted in future versions, they will be located BEFORE existing read-only fields (because read-only columns are not required for upload).

Email addresses

In Flightnet you can enter a virtually unlimited number of email addresses per user. To keep the file structure simple, you can add or change only **one** email address at a time with this interface.

For the export file, Flightnet selects the *first* user email address in alphabetic sort order that is marked for *general contact*. No other email addresses are exported.

There are two fields for email addresses in the above specification:

Field name	Content
CurrentEmailAddress	<p>Download: Represents a current email address as recorded in Flightnet (see remarks)</p> <p>Upload: Represents a current email address of the user that will be replaced by NewEmailAddress. Leave it blank in the case of a new user.</p>
NewEmailAddress	<p>Download: Left empty</p> <p>Upload: Represents the new email address of the user. Flightnet will search for the CurrentEmailAddress and replace it by the NewEmailAddress. If the CurrentEmailAddress cannot be found then the NewEmailAddress is added unless it already exists within the user account.</p> <p>If the NewEmailAddress is empty, then no action is taken.</p>

Remarks

If an email address is added then it is activated for "General contact", "Confirmations", "Reminder" and "Newsletter".

Examples

Case	CurrentEmailAddress	NewEmailAddress	Remark
Leave current email address unchanged	me@mymail.com		Nothing is changed
Current email is blank			Nothing is changed
Add a new email address		me@mymail.com	Only added if not yet existing for this user

Data format

- Data encoding is UTF-8
- Fields are separated by TAB character (ASCII code 09).
- The lines are terminated with CR + LF (ASCII codes decimal 13 and 10)

File structure

First line

The first line of the file contains the field names as specified. The field names are not case sensitive for the upload file, but they must be included.

Subsequent lines

The subsequent lines contain the user data as specified. The records are ordered by user name for exportation. However, the sort order of the user records has no effect on the import interface.

File import

The file is manually uploaded using the web interface. The system first checks if all data is conform to the specification. If an error occurs, no records are imported. In such case, the system shows a list with the errors.

The system either imports all records (if there is no error) or no record (if any error occurs).

Round trips

The system supports real round trips, resp. you can upload the same file that you downloaded.

The suggested procedure is:

1. Download the user file from Flightnet.
2. Modify the file (e.g. in your offline application). Make sure that you keep the same encoding.
3. Remove any deleted users
4. Remove lines that were not altered (optional, recommended)*
5. Upload the modified user file.

* It is a good practice to upload altered records only. This reduces the risk of inadvertent changes to user records.