ICAO TRIP: USING TRAVELLER ID FOR STREAMLINED BORDER CONTROLS

Terry Wall

Project Manager
Asia Pacific Security Project
World Customs Organization

WORLD CUSTOMS ORGANIZATION

What is GTAS?

GTAS is a turn-key application that combines all the necessary decision support system features to:

- receive and store air traveler data, both API and PNR;
- provide real-time risk assessment against this data based on your own specific risk criteria and/or watch lists;
- view high risk travelers as well as their associated flight details and reservation information;
- promotes expedited travel through fewer “false positives” travelers held for examination.

What is GTAS?

GTAS was developed and is managed by a consortium of volunteer organizations and made available at no cost to the community at large.

Both commercial and government organizations are able to use, maintain, customize and enhance the software as needed.

GTAS has been built upon a suite of open source software components and published under the GNU General Public License (GPL).

WCO – CBP GTAS Collaboration

- CBP Commissioner donated GTAS to WCO members in June 2017
- WCO has promoted the use of GTAS to member states
  - API/PNR Contact Committee
  - Regional Workshops
  - National level engagements
- CBP provides technical advise and expertise to support implementation of GTAS software

Goals for System Overview

- GTAS User Interface Walkthrough
- Review Passenger Screening Toolkit
- Where to learn more about GTAS

Main Application Views

- FLIGHTS
- PASSENGERS
- CASES

FLIGHTS

Global Travel Assessment System
U.S. Department of Homeland Security

Tools | Feedback | Admin, Admin

Flights | Passengers | Cases

Search

Passengers	Rule Hits	Watchlist Hits	Flight	Carrier	ETA	ETD	Origin Airport	Origin Country	Destination Airport
267	124	3	0304	CM	2018-01-06 03:10 PM	2018-01-06 09:15 AM	PTY	PAN	IAD
197	12	2	0422	5H	2018-01-06 08:53 AM	2018-01-06 08:20 AM	EBB	UGA	NBO
124	4	2		KQ	2018-01-06 10:40 PM	2018-01-06 09:40 PM	EBB	UGA	NBO
124	3	2	0478	KQ	2018-01-06 05:25 AM	2018-01-06 04:20 AM	EBB	UGA	NBO
220	2	2	1387	QR	2018-01-06 02:08 PM	2018-01-06 08:43 AM	DOH	QAT	EBB
100	2	2	0828	B5	2018-01-06 08:20 AM	2018-01-06 07:30 AM	EBB	UGA	NBO
220	10	1	0535	KL	2018-01-07 06:45 AM	2018-01-06 11:35 PM	EBB	UGA	AMS
215	8	1	0335	ET	2018-01-06 08:20 PM	2018-01-06 06:25 PM	EBB	UGA	ADD
268	6	1	0730	EK	2018-01-06 10:30 PM	2018-01-06 04:10 PM	EBB	UGA	DXB
220	5	1	1388	QR	2018-01-06 11:59 PM	2018-01-06 04:15 PM	EBB	UGA	DOH
220	5	1	0646	EY	2018-01-06 08:20 PM	2018-01-06 01:50 PM	EBB	UGA	AUH
215	5	1	0337	ET	2018-01-06 05:55 AM	2018-01-06 03:55 AM	EBB	UGA	ADD
124	3	1	0415	KQ	2018-01-06 06:20 PM	2018-01-06 05:20 PM	EBB	UGA	NBO
215	3	1	0838	MS	2018-01-06 07:35 AM	2018-01-06 04:15 AM	EBB	UGA	CAI
268	2	1	0729	EK	2018-01-06 02:37 PM	2018-01-06 11:03 AM	DXB	ARE	EBB
124	1	1	0420	5H	2018-01-06 10:50 PM	2018-01-06 10:00 PM	EBB	UGA	NBO
124	1	1	0574	KQ	2018-01-06 09:30 PM	2018-01-06 08:30 PM	EBB	UGA	NBO
220	1	1	0645	EY	2018-01-06 12:22 PM	2018-01-06 08:37 AM	AUH	ARE	EBB
50	1	1	0465	WB	2018-01-06 07:11 AM	2018-01-06 07:30 AM	EBB	UGA	KGL
100		1	0453	WB	2018-01-06 03:05 PM	2018-01-06 01:45 PM	EBB	UGA	NBO
160		1	0160	SA	2018-01-06 02:23 PM	2018-01-06 09:41 AM	JNB	ZAF	EBB
220	13		8703	QR	2018-01-06 06:54 PM	2018-01-06 01:29 PM	DOH	QAT	EBB

Kenya Airways (KQ)

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PASSENGERS

Global Travel Assessment System
U.S. Department of Homeland Security

Tools | Feedback | Admin, Admin

Flights | Passengers | Cases | Search

Rule Hits	Watchlist Hits	T	Last Name	First Name	Middle Name	Doc Number	ETA	ETD	G	DOB	Citizenship
		P	CHILDRESS	DARREN	LON	692855204	2018-01-06 03:10 ...	2018-01-06 09:15 ...	M	1958-07-31	USA
		P	ASHURST	MORGAN	RUBY	95212794	2018-01-07 06:45 ...	2018-01-06 11:35 ...	F	1978-06-28	GBR
			Title				Conditions				
			LAST MINUTE CASH				Pnr Days Booked Before Travel is less than or equal to 2Pnr Form of Payment is not 'CA'				
		P	LOVATT	CHELSEA	KATE	504523141	2018-01-06 03:10 ...	2018-01-06 09:15 ...	F	1988-10-09	GBR
		P	HIGA	PAM	ANISSA	69141435	2018-01-06 11:59 ...	2018-01-06 04:15 ...	F	1986-11-26	USA
		P	DOON	TOBY	SEBASTIAN	622689717	2018-01-06 10:50 ...	2018-01-06 10:00 ...	M	1972-08-16	GBR
		P	DOON	TOBY	SEBASTIAN	622689717	2018-01-06 10:50 ...	2018-01-06 10:00 ...	M	1972-08-16	GBR
		P	STCYR	ELOY	ANTOINE	83179437	2018-01-06 10:40 ...	2018-01-06 09:40 ...	M	1967-08-19	USA
		P	TOMLINSON	ELLIE	SCARLETT	41724394	2018-01-06 10:40 ...	2018-01-06 09:40 ...	F	1958-06-22	GBR
		P	MEWAEL	MEDHANIE	MASSAWA	95342146	2018-01-06 10:30 ...	2018-01-06 04:10 ...	M	1964-01-03	CHN
		P	MEWAEL	MEDHANIE	MASSAWA	95342146	2018-01-06 10:30 ...	2018-01-06 04:10 ...	M	1964-01-03	CHN
		P	DOON	TOBY	SEBASTIAN	622689717	2018-01-06 09:30 ...	2018-01-06 08:30 ...	M	1972-08-16	GBR
		P	SHARROW	MARIANNA	TESSA	845858516	2018-01-06 08:20 ...	2018-01-06 06:25 ...	F	1969-09-29	USA
		P	SHARROW	MARIANNA	TESSA	845858516	2018-01-06 08:20 ...	2018-01-06 06:25 ...	F	1969-09-29	USA
		P	PHAM	DONALD	ABEL	81815192	2018-01-06 08:20 ...	2018-01-06 01:50 ...	M	1957-02-12	USA
		P	PHAM	DONALD	ABEL	81815192	2018-01-06 08:20 ...	2018-01-06 01:50 ...	M	1957-02-12	USA
		P	SHARROW	MARIANNA	TESSA	845858516	2018-01-06 06:20 ...	2018-01-06 05:20 ...	F	1969-09-29	USA
		P	WESTRICK	ROMAN	KENDRICK	97783319	2018-01-06 03:10 ...	2018-01-06 09:15 ...	M	1956-09-05	USA

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CASES

Global Travel Assessment System
U.S. Department of Homeland Security

Tools | Feedback | Admin, Admin

Flights | Passengers | Cases

Search

Flight	Top Rule Category	Last Name	First Name	Status
0324	General			CLOSED
0333	Local Law Enforcement	LOCKHART	HAYDEN	NEW
8703	Local Law Enforcement	PERKINS	CHANDRA	NEW
0828	General	FRAZER	LEO	NEW
0420	General	DOON	TOBY	NEW
0453	Local Law Enforcement	PARROTT	DANIEL	NEW
0413	Local Law Enforcement	MCPHEE	MAISIE	NEW
0419	Local Law Enforcement	BOLSTER	BRUCE	NEW
1388	General	HIGA	PAM	NEW
0160	Local Law Enforcement	TUCKER	RODRICK	NEW
0160	Local Law Enforcement	LAURSEN	ROSLYN	NEW
0422	General	WILCOX	LUCAS	NEW
0645	General	MEWAEL	MEDHANIE	NEW
0730	Local Law Enforcement	ASHWORTH	JOSHUA	NEW
0730	Local Law Enforcement	THORN	OWEN	NEW
0730	Local Law Enforcement	IDRIS	SEMRET	NEW
0160	Federal Law Enforcement	AWATE	GENET	NEW
0478	Local Law Enforcement	FULFORD	JOHN	NEW
0422	Local Law Enforcement	NEWQUIST	JENNIFER	NEW
0422	Local Law Enforcement	IDRIS	SEMRET	NEW
8703	Local Law Enforcement	KIBBLEWHITE	GEORGE	NEW

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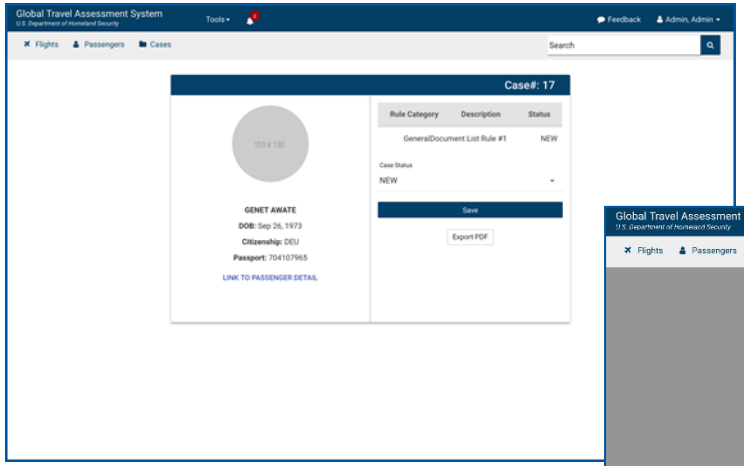
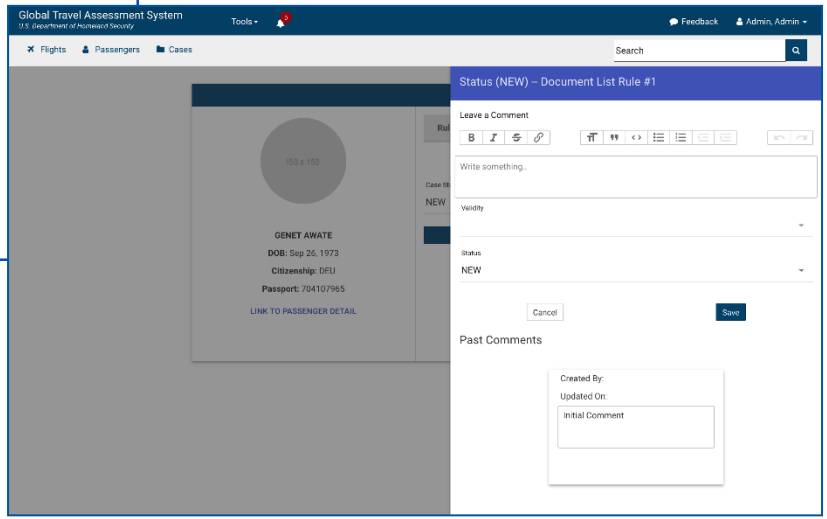
INDIVIDUAL CASE





Passenger Details Views

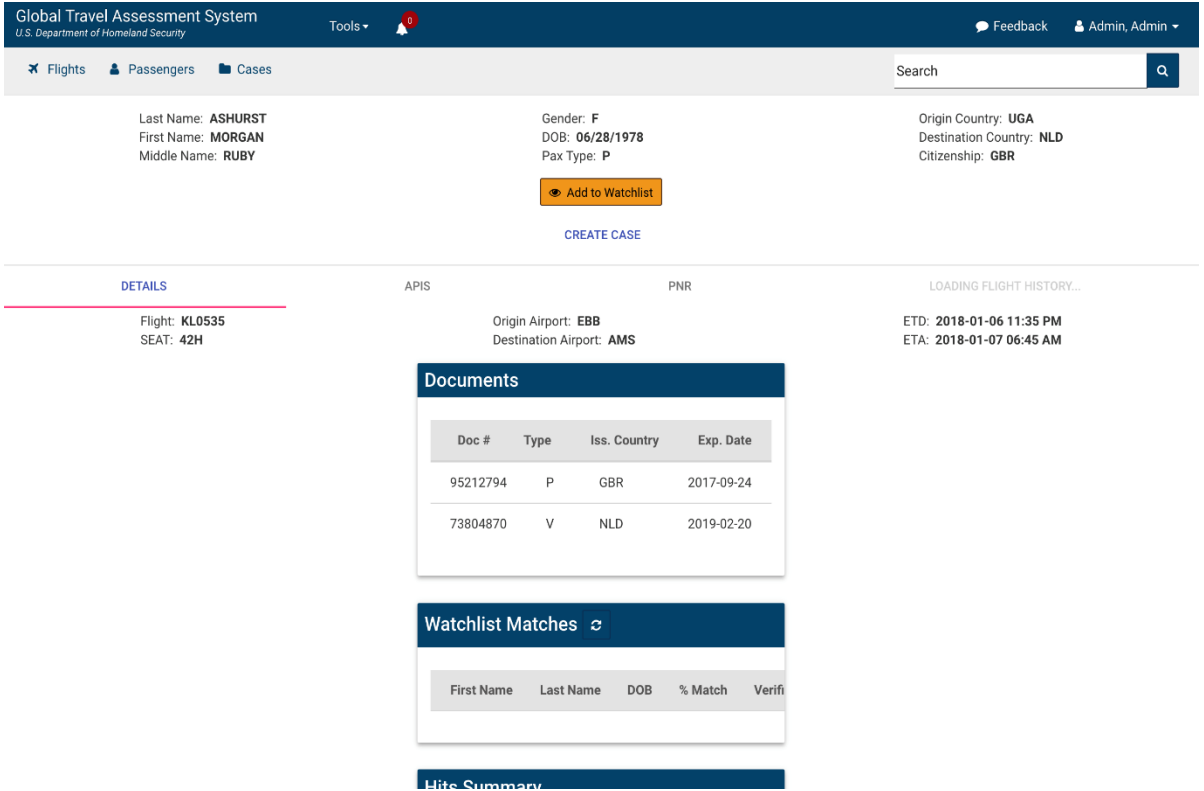
PASSENGER DETAILS (Home)

APIS

PNR

FLIGHT HISTORY

PASSENGER DETAILS (HOME)



APIS

Global Travel Assessment System
U.S. Department of Homeland Security

Tools | Feedback | Admin, Admin

Flights | Passengers | Cases | Search

Last Name: **ASHURST**
First Name: **MORGAN**
Middle Name: **RUBY**

Gender: **F**
DOB: **06/28/1978**
Pax Type: **P**

Origin Country: **UGA**
Destination Country: **NLD**
Citizenship: **GBR**

Add to Watchlist

CREATE CASE

DETAILS | APIS | PNR | FLIGHT HISTORY

Embarkation: **EBB**
Debarkation: **AMS**

Residence: **GBR**
Passenger Type: **P**

Transmission Date: **2006-01-18 06:50:00**

Total Baggage (0) — Baggage Weight (0 kg)

BagID	Destination
KL5350137	AMS

Phone Numbers (0)

Phone Number

FlightPax (1)

First Name	Middle Name	Last Name	Pax Type	Residence	Port of Arrival
MORGAN	RUBY	ASHURST	P	GBR	AMS

PNR

Flights | Passengers | Cases

Search

Transmission Date: **2018-01-04 08:58**

Itinerary (1)

Leg	Flight#	Origin Airport	Destination Airport	ETD	ETA
1	KL0535	EBB	AMS	2018-01-06 11:35 PM	2018-01-07 06:45 AM

PNR Names (1)

First	Middle	Last	Gender	Age
MORGAN	RUBY	ASHURST	F	39

Documents (2)

First Name	Last Name	Type	Iss. Country	Number	Exp. Date
MORGAN	ASHURST	P	GBR	95212794	2017-09-24
MORGAN	ASHURST	V	NLD	73804870	2019-02-20

Addresses(1)

City	State	Country	Street
FUKUOKA		JPN	1561 REID AVENUE

Raw PNR

8 . RCI+KL:E7066B:060118:2250'

9 . DAT+700:030118:2335+710:060118:2250'

10 . ORG+DL:IAD+70379193:LON+++A+GB:GBP+D050517'

11 . ADD++702:1561 REID AVENUE:FUKUOKA:::JP::142134970071'

12 . TIF+ASHURST+MORGANMRS:A:1'

13 . FTI+KL:131092:::ELITE'

14 . IFT+4:28::YY+CTCE MORGAN..ASHURST//GMAIL.COM'

15 . REF+:858550552'

16 . FAR+N+++++MIL24'

17 . SSR+DOCS:HK::DL:::::/P/GBR/95212794//28JUN78/F/24SEP17/ASHURST/MORGANMRS/

18 . TKT+62648062648062:T:1'

19 . MON+B:2888.00:GBP+T:2957.94:GBP'

20 . PTK+NR++150417:1010+DL+006+LON'

21 . TXD++3.10:::AY6+8.50:::YQ+3.40:::YC+4.30:::XY+3.10:::XA+2.80:::XF'

22 . DAT+710:130417:0000'

23 . IFT+4:43+MORGAN ASHURST+STREET ADDRESS CITY STATE ZIP CODE+PHONE NUMBER

FLIGHT HISTORY

Global Travel Assessment System
U.S. Department of Homeland Security

Tools | Feedback | Admin, Admin

Flights | Passengers | Cases

Search

Last Name: **ASHURST**
First Name: **MORGAN**
Middle Name: **RUBY**

Gender: **F**
DOB: **06/28/1978**
Pax Type: **P**

Origin Country: **UGA**
Destination Country: **NLD**
Citizenship: **GBR**

Add to Watchlist

CREATE CASE

DETAILS | APIS | PNR | FLIGHT HISTORY

Current Itinerary:

Carrier/Flight	ETA	ETD	Origin Country	Origin Airport	Destination Country	Destination Airport
KL0535	2018-01-07 06:45 AM	2018-01-06 11:35 PM	UGA	EBB	NLD	AMS

Total Flight History

Carrier/Flight	ETA	ETD	Origin Country	Origin Airport	Destination Country	Destination Airport

Passenger Screening Toolkit

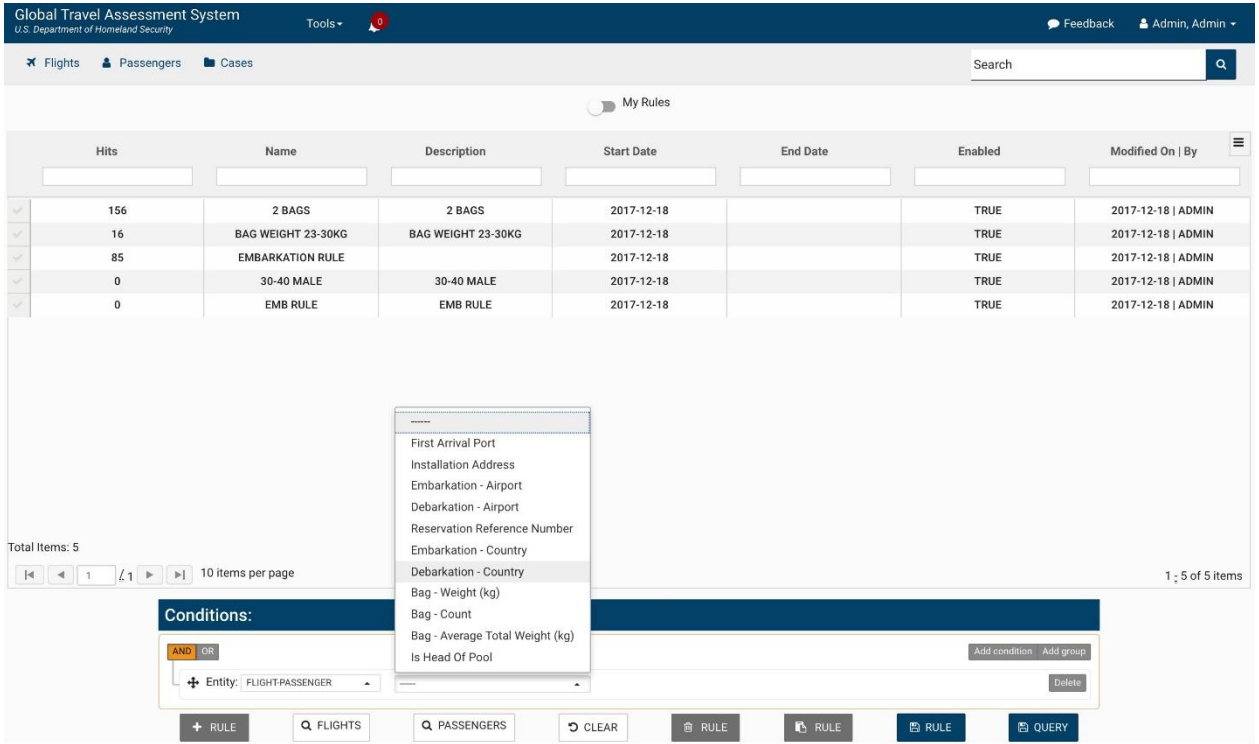
QUERY BUILDER / RULE BUILDER

FREE TEXT SEARCH (Elastic Search)

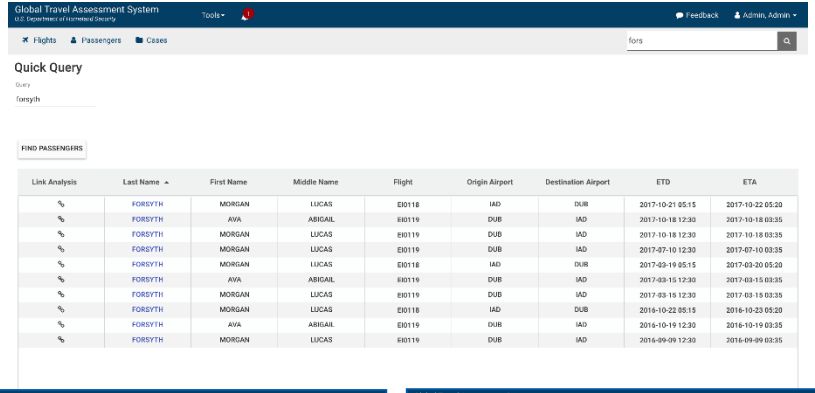
WATCHLIST 'FUZZY-NAME MATCHING'

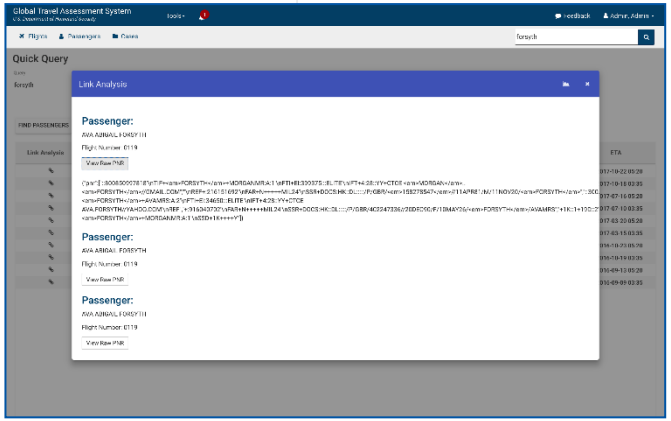
WATCHLIST IMPORTING

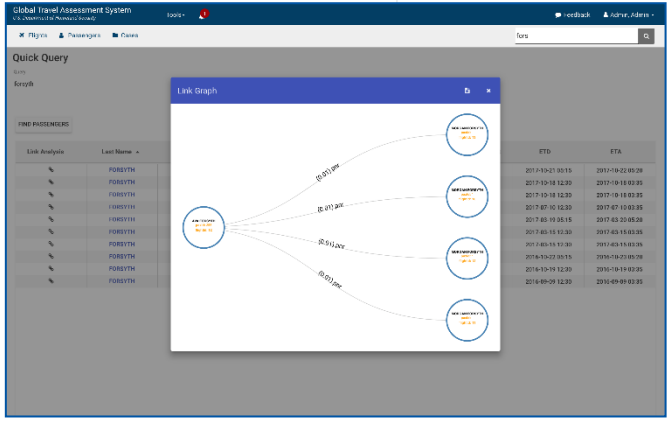
QUERY BUILDER / RULE BUILDER



FREE TEXT SEARCH (Elastic Search)







FUZZY NAME MATCHING

The watchlist service includes a phonetic name-matching algorithm called Double Metaphone.

The watchlist service includes a text string matching algorithm called Jaro-Winkler Distance.

WATCHLIST IMPORTING

Global Travel Assessment System
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DOCUMENT | PASSENGER

DOB	First Name	Last Name
1971-07-06	FINLAY	TOMPKIN
1968-04-12	ISOBEL	MORROW
1971-09-05	MERCEDES	LAKEY
1977-02-13	CHENG	LEESON
1980-09-30	BRANDON	GUTIERREZ
1992-11-08	LIANG	GEORGES
1955-04-24	GUSTAVO	MASSENGILL
1973-08-14	ISABELLE	LYES
1978-06-04	AIMEE	BARBOUR
1983-01-13	LARA	FELLMEN
1955-08-22	HOWARD	HALPIN
1943-07-16	RACHEL	CHAMPION

Total Items: 52 (Showing Items: 25)

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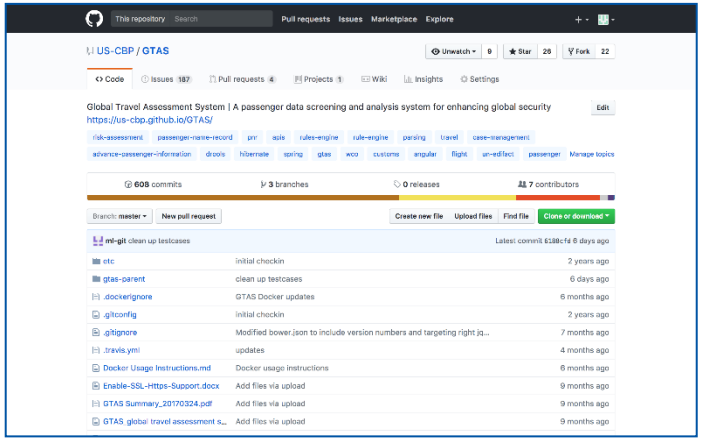
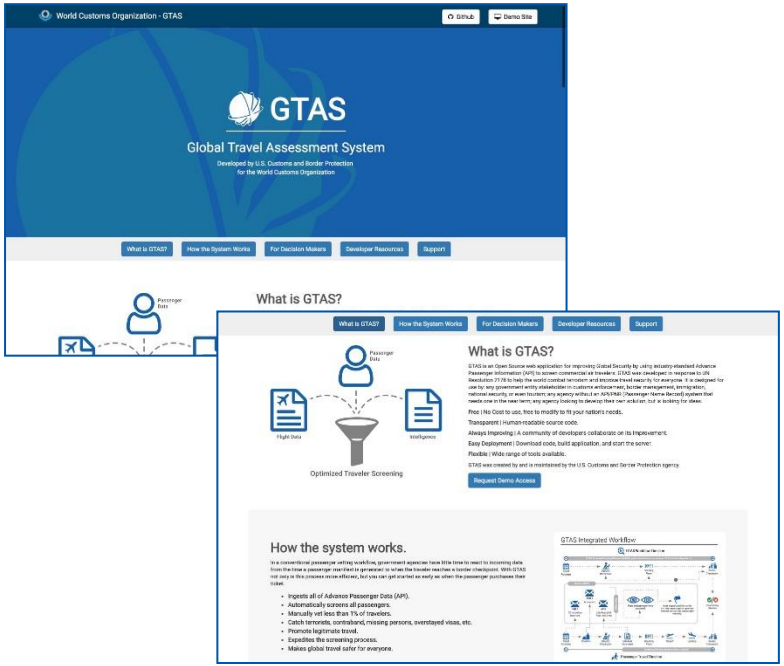
EXPORT | IMPORT | + PASSENGER | SYNC

Where to learn more about GTAS

GitHub





How members get started

- Contact WCO & Complete GTAS Intake Questionnaire
- WCO and CBP conduct site visit to determine technical feasibility and operational readiness
- Determine pilot parameters
- Deployment of GTAS system (training for officers, and IT Services)
- Transition of knowledge to member country towards independent ownership of GTAS by end of pilot.

Challenges encountered

- Donor Funding dependency for procurement of equipment, data, training.
- Customs administrations not always the front line.
- Capacity of the member to deliver on program requirements

Contact Details

GitHub

- https://github.com/US-CBP/GTAS
- GTAS@wcoomd.org
- Jatinder.Randhawa@wcoomd.org

Technical Officer, Security, WCO