

GTAS is an Open Source air passenger screening and analysis solution available for download for free at **GitHub**

it is a real-time passenger screening system that assists governments in determining which passengers or crewmembers should receive additional screening prior to entry or departure from the country

Main Software Features

- **API and PNR Data Parsing** of industry-derived and standardized information
- **User-Defined Rules and Watch Lists** serve as the basis for real-time risk analysis of inbound and outbound air passengers and crew
- **Rules Engine** automatically and continuously matches passenger data against User-Defined Rules and Passenger/Document Watch Lists
- **Case Management** allows analysts to create, manage, and process high-risk travelers through a customizable workflow
- **System Auditing** ensures the system ingests all incoming data



System Solution Features

- Designed for Rapid Deployment
- Transparent – all source code is published
- Platform Independent
- Scalable and Reliable system Design
- Open Source – wide range of tools available
- Minimal Startup Cost (Hardware/Software Configuration (est. \$12k- \$37k))
- Expedites passenger screening, expedites passenger processing at airport, and allows more time to respond to suspicious travelers



Tech Stack

Client Layer	HTML	Angular JS
	JQuery	Bootstrap
Presentation Layer	Spring	Java
	Tomcat	Apache HTTP
Business Layer	Spring	Drools
	Tomcat	Java Messaging Service
Data Access Layer	Spring JDBC	Java
	Tomcat	
Database Layer	MariaDB	

<https://github.com/US-CBP/GTAS>



U.S. Customs and Border Protection

