

trackmatic

TRACKMATIC INTEGRATION GUIDE

trackmatic

Table of Contents

What we do.....	2
Types of services we offer.....	2
How to integrate with us?	3
Step 1	3
Types of connections	3
1. Web service request to Azure.....	3
2. Polling Listener.....	4
3. SFTP/FTP	5
4. Flat file Listener.....	6
5. Email Listener.....	7
Step 2	8
Basic questions and information from client.....	8
Step 3	9
Specific fields required for integration	9
Action	9
Entity.....	10
Deco	10
Routes	11
Step 4	12
Have I specified all of what is needed?	12

What we do

In short, trackmatic provides unique tailor-made software solutions to fleet operators and fleet management of On-Road Execution™ regardless of the fleet size.

We offer a holistic business solution to our clients, meeting their unique and complex requirements. We work together with them to provide insight into the finer workings of their operations, thereby increasing efficiencies and enabling greater levels of satisfaction among their customers.

Resource optimisation and service excellence are key outcomes of the solution, resulting in higher profits and driving down costs. This is where the true value of the solution is gained.

The table below summarises our solutions.

Types of services we offer

On-Road Execution™	Planning	Bureau	Insight	Mobility
Live Visibility	Backend Integration	On Road Execution Control Room	KPI Management	Turn by Turn Voice Guided Navigation
Historical Tracking	Route Builder	Full Audit	Planned vs Actual	Voice Calls
Advanced Delivery Notifications	Route Updates	DECO Management	Trending	Sign-on Glass Confirmation
Live Dashboards	Licensed Planning Algorithms	Voice Recordings	Driver Alignment	
Risk Management	Third Party Planning Tools	Exception Based Alerts	Customised Automated Reporting	
Speed Management	Data Integrity			

How to integrate with us?

To integrate and make use of trackmatics services, simply complete and follow the four steps below.

Step 1

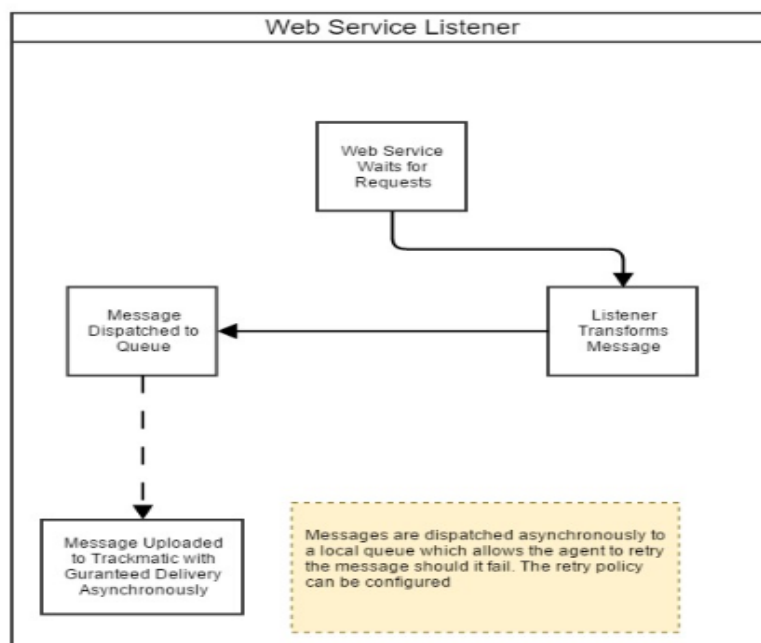
Types of connections

It is vital for the client to pay special attention in the choice you make to connect to us. The client should base their choice primarily on ease of use and efficiency to improve business feasibility as well as maintain data integrity.

There are five main methods of connecting to trackmatic:

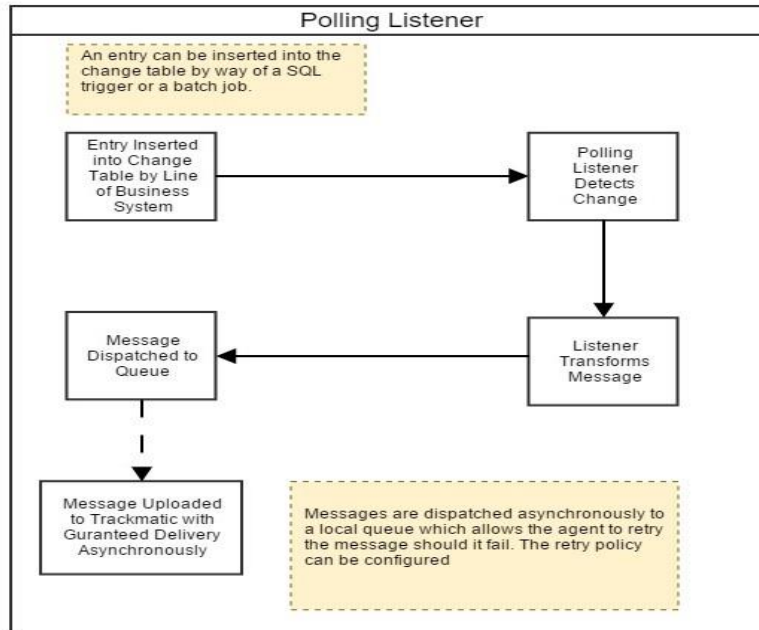
1. *Web service request to Azure*

The client presents the required data to our web service in XML or JSON. Upon receiving it, it is then mapped and uploaded into trackmatic.



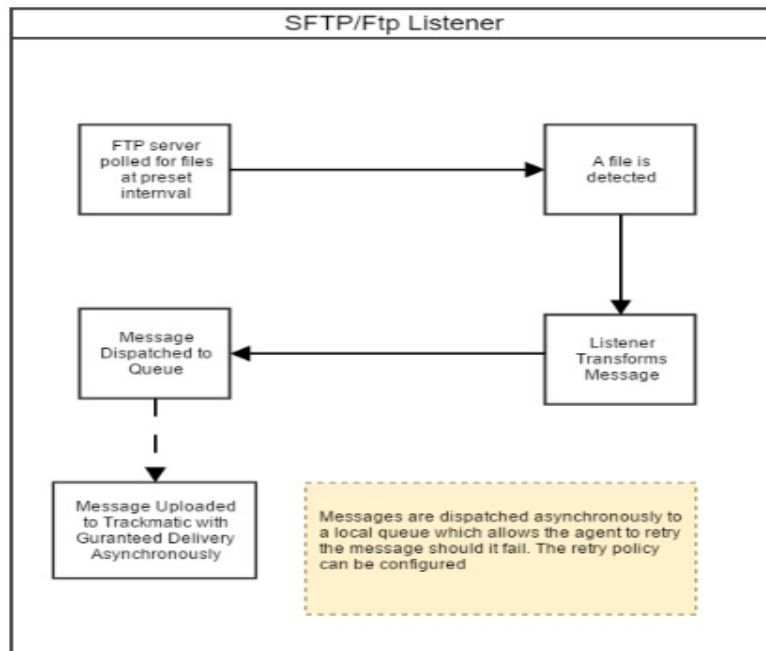
2. *Polling Listener*

This is installed as a service on the client's local server or machine. It listens to a 'Trackmatic-Changes' table placed within the client's database. This table records all the changes been made to the relevant client's tables needed to use trackmatics services. These changes in relation to the tables are then traced, picked up and updated in trackmatic.



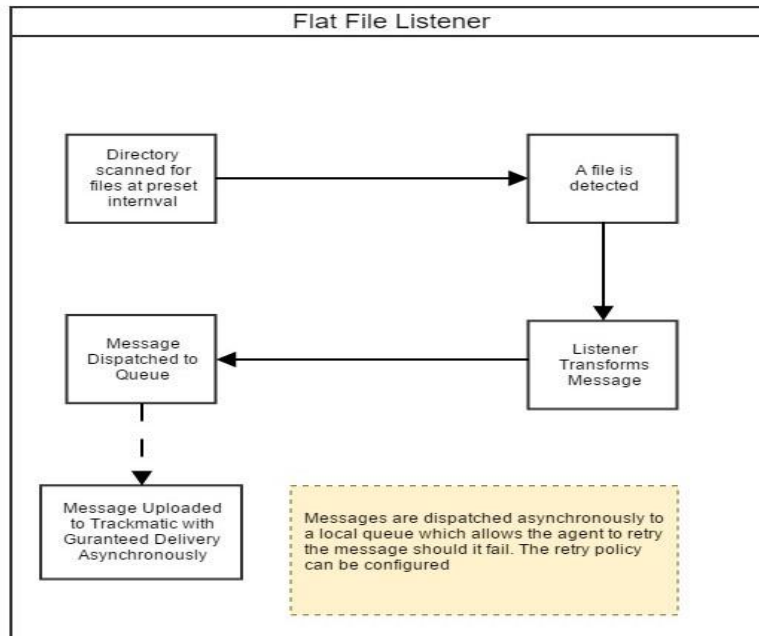
3. *SFTP/FTP*

The client drops an excel extract (CSV) to the sftp/ftp server containing all the relevant data to use trackmatics services. The integration agent polls the directory of the sftp/ftp for the file. If an extract is picked up, it is then read in and uploaded into trackmatic. The client can choose to use their own sftp/ftp server (preferable) or trackmatics sftp/ftp server.



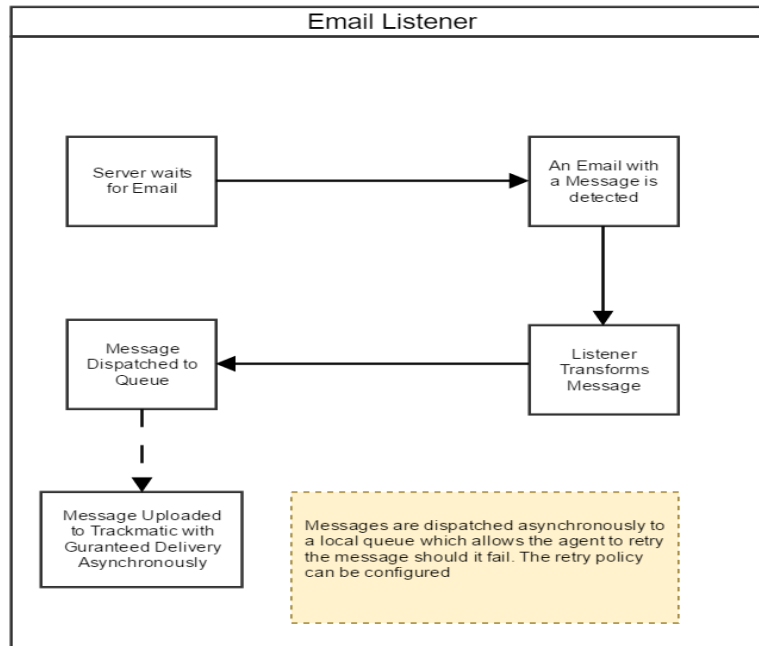
4. Flat file Listener

Very similar to sftp/ftp. The client drops an excel extract (CSV) containing all the relevant data to use trackmatics services onto a local directory in trackmatics server. The integration agent which is running on trackmatics server will poll the directory for the file. If an extract is picked up, it is then read in and uploaded into trackmatic.



5. Email Listener

The client emails an excel extract (CSV) containing all the relevant data to use trackmatics services to an email address provided by trackmatic. The integration agent which is running on trackmatics server will then pick up this email. If an extract is picked up within the email, it will then be read in and uploaded into trackmatic.



trackmatic

Step 2

Basic questions and information from client

Below are some questions and basic information that a client will be inquired about and expected to provide to trackmatic. This should be taken into account when considering an integration with trackmatic.

Questions

- Are the Ship -To addresses adhoc or static?
- Are the Start and End locations for the delivery vehicles the same?
- Do you facilitate next day deliveries?
- Do you facilitate for cash on deliveries?
- Do you provide any of the following services: Inter-branch transfers, uplifts, customer to collect?
- How many sites do you service (Isando, Kempton park, East Rand etc.)?

Information

- Contact details of the technical and business people involved in facilitating the integration.
- Sample data from the client's business. Documentation like as invoices, waybills, delivery notes, trip sheets (all paper work the driver requires) etc. This should be provided in excel (csv) format as well as the physical copies of the documentation.
- If trackmatic needs to integrate with external systems, then trackmatic will need to be provided with the details for the systems. For example, IP addresses, port numbers, logon credentials and firewall rules.

Step 3

Specific fields required for integration

The fields below per section, if provided, can be created within trackmatic.

An example for each section has been provided for clarity.

Please note that not all fields are mandatory unless specified in the second column.

Action

Action (What)				
A basic example of an action in trackmatic is an invoice along with its details for who the customer is for.				
	Field Name	Mandatory	Description	I Have
1	Id	Yes	Unique system generated id prefixed with the provided client id	
2	IsCod	Yes	Cash On Delivery Indicator	
3	Reference	Yes	Unique reference number associated with the action	
4	Volumetric Mass	No	The volume of the parcel	
5	Weight	No	Weight of the parcel	
6	Pieces	No	Number of pieces in the action	
7	Unit	No	Unit of measure	
8	Instructions	No	Special instructions	
9	Customer Reference	No	Client supplied reference number	
10	Customer Code	No	Unique client code	
11	Expected Delivery	No	Date the action is expected to be executed	
12	Pallets	No	Number of pallets associated with the action	
13	Amount Incl	No	Monetary value of the action including vat	
14	Amount Excl	No	Monetary value of the action excluding vat	
15	Reference_Internal	No	Internal reference number for workflow i.e. picking slip, sales doc etc	

Entity

Entity (Who)				
A basic example of an entity in trackmatic is the individual stores/customers details within an area(Edgars in Mall Of Africa).				
	Field Name	Mandatory	Description	I Have
1	Id	Yes	A unique reference number associated with the Entity	
2	Name	Yes	The name of the entity	
3	Reference	Yes	A unique reference number for the entity (Sell-to identifier)	
Contact				
5	First Name	No	First name of the contact	
6	Last Name	No	last name of the contact	
7	Tel No	No	Telephone number of the contact	
8	Cell No	No	Cell phone number of the contact	
9	Email	No	Email address of the contact	
Address				
12	Address Field 1	No	Address Field 1	
13	Address Field 2	No	Address Field 2	
14	Address Field 3	No	Address Field 3	
15	Address Field 4	No	Address Field 4	
16	Address Field 5	No	Address Field 5	
17	Postal Code	No	Postal Code	
Requirements				
18	Action Debrief	No	Success or Failure of the action that was to be executed. Per entity, it can be stated if you would like an entity debrief.	
19	Cod Debrief	No	Review of Cod deliveries 1) EFT POP 2) Cash 3) No Cash 4) Accounting Pin. Per entity, it can be stated if you would like a Cod debrief.	
20	Signature	No	Sign On Glass required after an action is debriefed. Per entity, it can be stated if you would like the signature feature.	

Deco

Deco (Where)				
A basic example of a Deco in trackmatic is the area/location of the entities(Mall Of Africa has entities like Edgars, Woolworths etc).				
	Field Name	Mandatory	Description	I Have
1	Id	Yes	A unique reference number (Ship-to Identifier)	
2	Name	Yes	Common name of the DECO	
Address				
3	Unit No.	No	Unit No.	
4	Building Name	No	Building Name	
5	Street No.	No	Street Number	
6	Sub Division No.	No	Sub Division Number	
7	Street	No	Street Number	
8	Suburb	No	Street	
9	City	No	City	
10	Province	No	Province	
11	Postal Code	No	Postal Code	
12	Map Code	No	Map Code	
Contacts		No	If YES, either First Name or Surname is required	
13	First Name	Yes	First name of the contact	
14	Last Name	No	last name of the contact	
15	Tel No	No	Telephone number of the contact	
16	Cell No	No	Cell phone number of the contact	
17	Email	No	Email address of the contact	

Routes

NB: An entity, deco and action should be specified for each route.

Route				
A basic example of a route in trackmatic is the travel path in which a delivery is to be made.				
	Field Name	Mandatory	Description	I Have
1	Id	Yes	Unique system generated id prefixed with the provided client id	
2	Reference	Yes	A unique reference number for the route	
3	Planned Start	Yes	Planned start date and time	
4	Registration	No	Registration number of the vehicle being assigned to the route	
5	Name	No	A name or number of the route	
Crew				
6	Id	Yes	Unique system generated id prefixed with the provided client id	
7	Reference	Yes	Personnel Unique Identifier issued by Client	
8	Name	Yes	Personnel Name	
9	Type	Yes	Personnel Type (Driver or Crew)	
10	Identity No.	No	Identity number of crew member	
12	Cell No.	No	Cell phone number of crew member	

Step 4

Have I specified all of what is needed?

Integration CheckList

1	Services I want	Services	Provide fields below
		AVT	
		Routes	
		Planning	
		Insight	
		Mobility	
		On-Road Execution	

2	I Have	Sample Documentation
		WayBill
		Invoice
		Delivery Note
		Trip Sheet
		Other Driver Documents (Specify)

3	I want to use	Type of Connection (Choose one)
		Web Service
		Polling Listener
		SFTP/FTP
		Email Listener
		Flat File Listener

4	I will provide	Fields Needed for
		Action(What)
		Entity (Who) /Sell-To
		Deco (Where)/ Ship-To
		Route (Travel path)