



Track My Ride

API Access & Usage Manual

Revision : 1.7.1
2018

Table of Contents

1 Introduction.....	4
1.1 Scope.....	4
1.2 Audience.....	4
1.3 Prerequisite.....	4
1.4 API Changes.....	4
2 Authentication, Access & Security.....	5
2.1 Creating a new API key pair.....	5
3 APIs.....	6
3.1 API Endpoint.....	6
Module - Alerts.....	6
Module – alerts, Action – get.....	6
Module – alerts, Action – save.....	6
Module – alerts, Action – delete.....	6
Module - Aux.....	6
Module – aux, Action – get.....	6
Module – aux, Action – set_journey_business.....	6
Module – aux, Action – set_journey_notes.....	6
Module – aux, Action – set_refuel_record.....	7
Module – aux, Action – delete_refuel_record.....	7
Module – aux, Action – add_refuel_record.....	7
Module - Devices.....	8
Module – devices, Action – get.....	8
Module – devices, Action – save.....	14
Module – devices, Action – export.....	21
Module – devices, Action – import.....	21
Module – devices, Action – set_driver.....	21
Module – devices, Action – playback.....	22
Module - Drivers.....	27
Module – drivers, Action – get.....	27
Module – drivers, Action – save.....	27
Module – drivers, Action – delete.....	27
Module - Emergency.....	27
Module – emergency, Action – save.....	27
Module - Subaccounts.....	27
Module – subaccounts, Action – get.....	27
Module – subaccounts, Action – save.....	27
Module – subaccounts, Action – delete.....	27
Module - User.....	28
Module – user, Action – get.....	28
Module – user, Action – save.....	28
Module – user, Action – set_options.....	28
Module – user, Action – update_password.....	28
Module – user, Action – logout.....	28
Module – user, Action – generate_api_keys.....	28
Module – user, Action – update_credit_card.....	28
Module - Zones.....	29
Module – zones, Action – get.....	29
Module – zones, Action – save.....	41
Module – zones, Action – delete.....	41
4 Reports.....	42
Journey Report.....	42
Journey Summary.....	44
Engine On/Off.....	46
Time in Zones.....	48
Tax Logbook.....	50
Raw GPS Data.....	54
Zone Stocktake.....	61
Refueling.....	61
Maintenance.....	64
Heatmap.....	66

Inputs.....	69
Utilisation.....	71

1 Introduction

Track My Ride offers API access for our customers to programatically access their user and GPS tracking data. API access is a feature that is dependant on the service plan that you are subscribed to, please check the Track My Ride website at www.trackmyride.com.au for further information.

Through the Track My Ride API you will be able to access the same data that we use to populate the Track My Ride GPS tracking platform with the location of your vehicles, driver information, reports, playback and much much more.

Accessing the Track My Ride API requires prerequisite knowledge in computer programming and web technologies.

1.1 Scope

Information on the external APIs for the latest release of the Track My Ride service.

1.2 Audience

Developers working for customers seeking to integrate Track My Ride GPS tracking services with their systems.

1.3 Prerequisite

It is assumed that you are familiar with Web Services.

1.4 API Changes

Release	Changes by	Date	Updated APIs	Other Changes
2.0	Leon	02 December 2018 12 December 2018 13 December 2018 14 December 2018		Updated API documentation
2.0	Leon	26 November 2018		Updated API documentation formatting
2.0	Nathan	16 October 2018		Updated documentation with latest API calls
2.0	Leon	15 May 2018	All API calls	

2 Authentication, Access & Security

The Track My Ride API access is restricted by API Key pairs. The API key pair consist of a User key and an API key. These keys are submitted with your API request and provide a way of our servers to authenticate your request and to determine the data that should be returned.

Your Track My Ride account will by default have a master key created for it. We recommend creating a new API key if you wish to make use of the API system as the master API key cannot be revoked. It is your responsibility to keep your API keys safe, as they provide full access to your Track My Ride data stream and account information.

API keys (Except master) can be managed, created or revoked through your Track My Ride account at <https://app.trackmyride.com.au>

The screenshot shows the 'Settings' page for 'Track My Ride' at the URL <https://www.trackmyride.com.au/app/v2>. The 'API Keys' tab is selected and highlighted with a red box. Below the navigation menu, there is a search bar and a table of API keys. The table has the following columns: ID, Username, User Key, API Key, Vehicle Access, and Status. There are six rows of API keys, all with the username 'tmr'. The first row is labeled 'Master Key Pair - Active'. At the bottom right of the table, there is a blue button labeled 'Edit API Access' with a pencil icon, which is also highlighted with a red box.

ID	Username	User Key	API Key	Vehicle Access	Status
+ 1	tmr	[REDACTED]	[REDACTED]	Wildcard - All account vehicles (3)	Master Key Pair - Active
+ 2	tmr	[REDACTED]	[REDACTED]	Wildcard - All account vehicles (3)	Active
+ 3	tmr	[REDACTED]	[REDACTED]	Wildcard - All account vehicles (3)	Active
+ 4	tmr	[REDACTED]	[REDACTED]	Wildcard - All account vehicles (3)	Active
+ 5	tmr	[REDACTED]	[REDACTED]	Wildcard - All account vehicles (3)	Active
+ 6	tmr	[REDACTED]	[REDACTED]	Wildcard - All account vehicles (3)	Active

2.1 Creating a new API key pair

To create a new API key pair simply follow these steps.

1. Navigate to the API Keys page in your Track My Ride account settings.
2. Click 'Edit API Access'.
3. Click 'New Row'.

3 APIs

The Track My Ride API calls are grouped by the functionality module. An action is then requested against that module. For example, if you wished to save changes to a user's profile you would use the module 'user' with the action 'save'.

3.1 API Endpoint

All API calls should be made to the following URL. API calls are rate limited and cached where applicable.

<https://app.trackmyride.com.au/v2/php/api.php>

Module - Alerts

Relating to tracking alerts and notifications

Module – alerts, Action – get

Pending documentation review and update.

Module – alerts, Action – save

Pending documentation review and update.

Module – alerts, Action – delete

Pending documentation review and update.

Module - Aux

Relating to miscellaneous functions in the Track My Ride system.

Module – aux, Action – get

Pending documentation review and update.

Module – aux, Action – set_journey_business

Pending documentation review and update.

Module – aux, Action – set_journey_notes

Pending documentation review and update.

Module – aux, Action – set_refuel_record

Pending documentation review and update.

Module – aux, Action – delete_refuel_record

Pending documentation review and update.

Module – aux, Action – add_refuel_record

Pending documentation review and update.

Module - Devices

Relating to vehicle records and their associated GPS trackpoints.

Module – devices, Action – get

Return the latest information and recorded trackpoint data for a single vehicle or all vehicles associated with the user's account.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/api.php	XML

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Type	Description	Required?	Example
api_key	string	User's unique API key	yes	GF83FDSa72hds82jf FD82js123j3284mw8 223
user_key	string	User's unique User key	yes	gtr873ns2eDSf111
module	string	Module this API request relates to	yes	devices
action	string	The action this API request is carrying out	yes	get
json	bool	Return data formatted as JSON	no	1
limit	int	Limit number of GPS data points returned in aaData and aaData_encoded to x data points	no	8640
limit_aaData	bool	Limit the number of GPS data points returned in aaData to x data points (Note : Does not limit aaData_encoded)	no	1
minutes	int	Return the GPS data points in aaData and aaData_encoded that have been recorded within the last x minutes from now. If no data points have been recorded the most recently recorded value will be returned. Passing variable minutes = 0 will disable this functionality.	no	1440
filter_vehicle	string	Filter the returned results so that only those matching the supplied vehicle's unique ID are returned	no	7198bf67b5fd

Example returned data

Description	
Return the latest information for all our vehicles, with only the very latest recorded data point returned. This is useful if you want to simply plot the latest recorded position.	
Variable	Value
limit	1
minutes	0
json	1
limit_aaData	1
Result JSON	<pre> {"_fd34edadfef2": {"unique_id":"fd34edadfef2","cid":"D098","name":"T MR Rex","operator":"14edea8dd6042b06","odometer":2648 0,"timezone":10,"daylight_saving":"1","line_color ":"#FE2712","arrow_color":"rgb(94, 175, 255)","assignment":"c271e5e215b","activity":"45645 acd","engine_runtime":"65.3","acc_counter":"70.5", "gsm_signal":0,"gps_signal":0,"last_data_at":"2018 -11-25 17:42:31","last_data_at_epoch":1543128151,"updated _at":"2018-11-25 06:42:31","volts":12.51,"rego":"429 KM","device_data":"6D40000001","engine":0,"gps_mod ule":1,"gps_antenna":1,"gsm_module":1,"external_po wer":1,"internal_battery":"Charging","comms_delta" :1636508,"options": {"input_action_1":"0","input_action_2":"0"},"zone" :"aA8qJyIwzhPR","zone_entry":"2018-11-25 01:08:30","aaData": [{"epoch":1543128150,"time":"2018-11-25 17:42:30","lat":- 37.56969,"lng":144.72476,"speed":0}], "aaData_encod ed":"pyhdFwpirZkonj~zA?","cache_miss":1},"_fd34eda dfef6": {"unique_id":"fd34edadfef6","cid":"E001","name":"T MR Rodeo","operator":"6eed23b56eed2406","odometer":18 6717,"timezone":10,"daylight_saving":"1","line_col or":"#FE2712","arrow_color":"rgb(94, 175, 255)","assignment":null,"activity":"45645acd","eng ine_runtime":"238.7","acc_counter":"299.7","gsm_si gnal":0,"gps_signal":0,"last_data_at":"2018-12-14 16:03:58","last_data_at_epoch":1544763838,"updated _at":"2018-12-14 05:03:58","volts":12.589,"rego":"576 KCH","device_data":"0000000001","engine":0,"gps_mo dule":0,"gps_antenna":0,"gsm_module":0,"external_p ower":1,"internal_battery":"Charging","comms_delta ":821,"options": </pre>

	<pre> {"input_action_1":"0","input_action_2":"panic"},"zone":"aA8qJyIwzhPR","zone_entry":"2018-12-13 06:58:26","aaData": [{"epoch":1544763599,"time":"2018-12-14 15:59:59","lat":-37.56974,"lng":144.7247,"speed":0}], "aaData_encoded":"zyhdFkpirZ}vhna{A?","cache_miss":1},"_7198bf67b5fd": {"unique_id":"7198bf67b5fd","cid":"E1AC","name":"TMR Blue","operator":"3382df113382df1e","odometer":68065,"timezone":10,"daylight_saving":"1","line_color":"#0247FE","arrow_color":"rgb(140, 211, 208)","assignment":null,"activity":"45645acd","engine_runtime":"124.2","acc_counter":"127.4","gsm_signal":0,"gps_signal":0,"last_data_at":"2018-12-14 15:58:22","last_data_at_epoch":1544763502,"updated_at":"2018-12-14 04:58:22","volts":12.678,"rego":"1KA 2PG","device_data":"0000000003","engine":0,"gps_module":0,"gps_antenna":0,"gsm_module":0,"external_power":1,"internal_battery":"Charged","comms_delta":1157,"options": {"input_action_1":"panic","input_action_2":"panic"},"zone":"99Z8o6DVP4qj","zone_entry":"2018-12-14 02:55:28","aaData": [{"epoch":1544763450,"time":"2018-12-14 15:57:30","lat":-37.58698,"lng":144.72,"speed":0}], "aaData_encoded":"reldF_shrZsmhna{A?","cache_miss":1}} </pre>
<p>Human readable</p>	<pre> {,...} 1._7198bf67b5fd:{unique_id: "7198bf67b5fd", cid: "E1AC", name: "TMR Blue", operator: "3382df113382df1e",...} 2._fd34edadfef2:{unique_id: "fd34edadfef2", cid: "D098", name: "TMR Rex", operator: "14edea8dd6042b06",...} 1.aaData:[{epoch: 1543128150, time: "2018-11-25 17:42:30", lat: -37.56969, lng: 144.72476, speed: 0}] 1.0:{epoch: 1543128150, time: "2018-11-25 17:42:30", lat: -37.56969, lng: 144.72476, speed: 0} 1.epoch:1543128150 2.lat:-37.56969 3.lng:144.72476 4.speed:0 5.time:"2018-11-25 17:42:30" 2.aaData_encoded:"pyhdFwpirZkonj~zA?" 3.acc_counter:"70.5" 4.activity:"45645acd" 5.arrow_color:"rgb(94, 175, 255)" 6.assignment:"c271e5e215b" 7.cache_miss:1 8.cid:"D098" 9.comms_delta:1636508 10.daylight_saving:"1" 11.device_data:"6D40000001" 12.engine:0 13.engine_runtime:"65.3" 14.external_power:1 15.gps_antenna:1 16.gps_module:1 </pre>

```
17.gps_signal:0
18.gsm_module:1
19.gsm_signal:0
20.internal_battery:"Charging"
21.last_data_at:"2018-11-25 17:42:31"
22.last_data_at_epoch:1543128151
23.line_color:"#FE2712"
24.name:"TMR Rex"
25.odometer:26480
26.operator:"14edea8dd6042b06"
27.options:{input_action_1: "0", input_action_2: "0"}
    1.input_action_1:"0"
    2.input_action_2:"0"
28.rego:"429 KM"
29.timezone:10
30.unique_id:"fd34edadfef2"
31.updated_at:"2018-11-25 06:42:31"
32.volts:12.51
33.zone:"aA8qJyIwzhPR"
34.zone_entry:"2018-11-25 01:08:30"
3._fd34edadfef6:{unique_id: "fd34edadfef6", cid: "E001", name: "TMR Rodeo",
operator: "6eed23b56eed2406",...}
1.aaData:[{epoch: 1544763599, time: "2018-12-14 15:59:59", lat: -
37.56974, lng: 144.7247, speed: 0}]
    1.0:{epoch: 1544763599, time: "2018-12-14 15:59:59", lat: -
37.56974, lng: 144.7247, speed: 0}
        1.epoch:1544763599
        2.lat:-37.56974
        3.lng:144.7247
        4.speed:0
        5.time:"2018-12-14 15:59:59"
2.aaData_encoded:"zyhdFkpirZ}vhna{A?"
3.acc_counter:"299.7"
4.activity:"45645acd"
5.arrow_color:"rgb(94, 175, 255)"
6.assignment:null
7.cache_miss:1
8.cid:"E001"
9.comms_delta:821
10.daylight_saving:"1"
11.device_data:"000000001"
12.engine:0
13.engine_runtime:"238.7"
14.external_power:1
15.gps_antenna:0
16.gps_module:0
17.gps_signal:0
18.gsm_module:0
19.gsm_signal:0
20.internal_battery:"Charging"
21.last_data_at:"2018-12-14 16:03:58"
22.last_data_at_epoch:1544763838
23.line_color:"#FE2712"
24.name:"TMR Rodeo"
25.odometer:186717
26.operator:"6eed23b56eed2406"
27.options:{input_action_1: "0", input_action_2: "panic"}
    1.input_action_1:"0"
    2.input_action_2:"panic"
28.rego:"576 KCH"
29.timezone:10
30.unique_id:"fd34edadfef6"
31.updated_at:"2018-12-14 05:03:58"
32.volts:12.589
33.zone:"aA8qJyIwzhPR"
34.zone_entry:"2018-12-13 06:58:26"
```

Detailed description of returned data	
Name	Description
aaData	<p>Array of objects containing</p> <p>epoch: 1544759850 time: "2018-12-14 14:57:30" lat: -37.58698 lng: 144.72 speed: 0</p> <p>Note : speed is in km/h</p>
aaData_encoded	<p>Encoded array of aaData. The data is encoded to the Google polyline algorithm standard with information available at https://developers.google.com/maps/documentation/utilities/polylinealgorithm</p> <p>As part of the encoding we have extended the algorithm to also store the time (Y-m-d H:i:s) and speed in addition to the default algorithm standard of lat and lng.</p> <p>Data is stored in the order of lat, lng, time, speed</p> <p>For a code sample of storing encoded polyline data with lat, lng and time elements view the following code at https://github.com/ranaparth/time-aware-polyline-php</p>
acc_counter	Counter in decimal hours for the duration that the engine has been turned on.
activity	Deprecated - For internal use only.
arrow_color	Deprecated - For internal use only.
assignment	Deprecated - For internal use only.
cache_key	If this data was returned from our cache, the cache unique identifier key.
cache_miss	If this data wasn't found in our cache, will be set to 1.
cache_time_ms	Time in milliseconds to return the data from our cache store.
comms_delta	The number of seconds since the vehicle last communicated with our servers.
cid	Track My Ride external hardware identifier, as marked on the tracker.
daylight_saving	Does this vehicle observe DST?
device_data	For internal use only. Hexadecimal byte array of vehicle status flags.
engine	Is the engine currently turned on? 1 = yes, 0 = no
engine_runtime	Counter for duration of all recorded journeys in decimal hours.
external_power	Is a +12V power source currently connected to the tracker? 1 = yes, 0 = no
gps_antenna gps_module gps_signal gsm_module	Deprecated - For internal use only.

gsm_signal	
internal_battery	Status of the unit's internal battery [charging, discharging, charged]
last_data_at	The time that this tracker last was in communication with our servers. Shown in the tracker's localtime with DST applied if applicable.
last_data_at_epoch	Epoch representation of last_data_at
line_color	What colour to draw this tracker's data line as.
name	The name of this vehicle/tracker.
odometer	The odometer reading in km. Is automatically updated as journeys are recorded.
operator	Unique ID of operator associated with this vehicle, if applicable.
options	JSON object of options associated with this vehicle input_action_1:"0" – What internal function should occur when input #1 moves from low to high input_action_2:"panic" – What internal function should occur when input #2 moves from low to high
rego	Registration number of this vehicle/tracker.
timezone	The timezone in hours of this vehicle/tracker.
unique_id	The unique identifier for this vehicle/tracker.
updated_at	When was this vehicle's data last updated or modified (UTC Timezone)
zone	The unique ID of the zone the vehicle is currently in if applicable. If not in a zone will return an empty string.
zone_entry	UTC timestamp that the vehicle entered the current zone.

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/api.php' --data
'api_key=GF83FDSa72hds82jfd82js123j3284mw8223&user_key=gtr873ns2e
DSf111&limit=1&json=1&minutes=0&limit_aaData=1'
```

Module – devices, Action – save

Update a vehicle’s associated records and values.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/api.php	XML

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Type	Description	Required?	Example
api_key	string	User’s unique API key	yes	GF83FDSa72hds82jf FD82js123j3284mw8 223
user_key	string	User’s unique User key	yes	gtr873ns2eDSf111
module	string	Module this API request relates to	yes	devices
action	string	The action this API request is carrying out	yes	get
json	bool	Return data formatted as JSON	no	1
data	array	Array of options to be set	yes	See below
data[unique_id]	string	The vehicle’s unique_id	yes	7198bf67b5fd
data[name]	string	Name of the vehicle	yes	TMR Rodeo
data[rego]	string	Registration number of the vehicle	yes	576 KCH
data[odometer]	float	Odometer reading in km of the vehicle	yes	185533
data[hourmeter]	float	Journey hourmeter in decimal hours	yes	124.5
data[hourmeter_acc]	float	Acc/Engine hourmeter in decimal hours	yes	127.4
data[timezone]	int	Timezone in hours	yes	10
data[dst]	bool	DST enabled = 1, disabled = 0	yes	1
data[line_color]	string	The line colour in Hexadecimal	yes	#0247FE
data[input_action_1]	string	Action for input 1 from low to high [0,panic]	yes	0
data[input_action_2]	string	Action for input 2 from low to high [0,panic]	yes	panic

Example returned data

Description	
Update a vehicle's particulars	
Variable	Value
all required variables as per above	
json	1
Result JSON	<code>{"unique_id":"7198bf67b5fd","affected_rows":1,"success":true}</code>
Human readable	<code>{unique_id: "7198bf67b5fd", affected_rows: 1, success: true}</code> <code>1.affected_rows:1</code> <code>2.success:true</code> <code>3.unique_id:"7198bf67b5fd"</code>

Detailed description of returned data	
Name	Description
affected_rows	The number of rows that were updated. Will return 0 if no modification was observed.
success	Was the data successfully updated? Will return true or false.
unique_id	The unique ID of the updated vehicle.

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/api.php' --data 'api_key=GF83FDSa72hds82jffD82js123j3284mw8223&user_key=gtr873ns2eDSf111&json=1&module=devices&action=save&data%5Bunique_id%5D=7198bf67b5fd&data%5Bname%5D=TMR+Blue&data%5Brego%5D=1KA+2PG&data%5Bodometer%5D=68065&data%5Bhourmeter%5D=124.2&data%5Bhourmeter_acc%5D=127.4&data%5Btimezone%5D=GMT+%2B+10+(DST)&data%5Bdst%5D=1&data%5Bline_color%5D=%230247FE&data%5Binput_action_1%5D=0&data%5Binput_action_2%5D=panic&data%5Boptions%5D=%7B%22input_action_1%22%3A%220%22%2C%22input_action_2%22%3A%22panic%22%7D'
```

Example returned data

Description	
Return the latest information for all our vehicles, with only the very latest recorded data point returned. This is useful if you want to simply plot the latest recorded position.	
Variable	Value
limit	1
minutes	0
json	1
limit_aaData	1
Result JSON	<pre> {"_fd34edadfef2": {"unique_id":"fd34edadfef2","cid":"D098","name":"T MR Rex","operator":"14edea8dd6042b06","odometer":2648 0,"timezone":10,"daylight_saving":"1","line_color ":"#FE2712","arrow_color":"rgb(94, 175, 255)","assignment":"c271e5e215b","activity":"45645 acd","engine_runtime":"65.3","acc_counter":"70.5", "gsm_signal":0,"gps_signal":0,"last_data_at":"2018 -11-25 17:42:31","last_data_at_epoch":1543128151,"updated _at":"2018-11-25 06:42:31","volts":12.51,"rego":"429 KM","device_data":"6D40000001","engine":0,"gps_mod ule":1,"gps_antenna":1,"gsm_module":1,"external_po wer":1,"internal_battery":"Charging","comms_delta" :1636508,"options": {"input_action_1":"0","input_action_2":"0"},"zone" :"aA8qJyIwzhPR","zone_entry":"2018-11-25 01:08:30","aaData": [{"epoch":1543128150,"time":"2018-11-25 17:42:30","lat":- 37.56969,"lng":144.72476,"speed":0}], "aaData_encod ed":"pyhdFwpirZkonj~zA?","cache_miss":1},"_fd34eda dfef6": {"unique_id":"fd34edadfef6","cid":"E001","name":"T MR Rodeo","operator":"6eed23b56eed2406","odometer":18 6717,"timezone":10,"daylight_saving":"1","line_col or":"#FE2712","arrow_color":"rgb(94, 175, 255)","assignment":null,"activity":"45645acd","eng ine_runtime":"238.7","acc_counter":"299.7","gsm_si gnal":0,"gps_signal":0,"last_data_at":"2018-12-14 16:03:58","last_data_at_epoch":1544763838,"updated _at":"2018-12-14 05:03:58","volts":12.589,"rego":"576 KCH","device_data":"0000000001","engine":0,"gps_mo dule":0,"gps_antenna":0,"gsm_module":0,"external_p ower":1,"internal_battery":"Charging","comms_delta ":821,"options": </pre>

	<pre> {"input_action_1":"0","input_action_2":"panic"},"zone":"aA8qJyIwzhPR","zone_entry":"2018-12-13 06:58:26","aaData": [{"epoch":1544763599,"time":"2018-12-14 15:59:59","lat":-37.56974,"lng":144.7247,"speed":0}],{"aaData_encoded":"zyhdFkpirZ}vhna{A?","cache_miss":1},"_7198bf67b5fd": {"unique_id":"7198bf67b5fd","cid":"E1AC","name":"TMR Blue","operator":"3382df113382df1e","odometer":68065,"timezone":10,"daylight_saving":"1","line_color":"#0247FE","arrow_color":"rgb(140, 211, 208)","assignment":null,"activity":"45645acd","engine_runtime":"124.2","acc_counter":"127.4","gsm_signal":0,"gps_signal":0,"last_data_at":"2018-12-14 15:58:22","last_data_at_epoch":1544763502,"updated_at":"2018-12-14 04:58:22","volts":12.678,"rego":"1KA 2PG","device_data":"0000000003","engine":0,"gps_module":0,"gps_antenna":0,"gsm_module":0,"external_power":1,"internal_battery":"Charged","comms_delta":1157,"options": {"input_action_1":"panic","input_action_2":"panic"},"zone":"99Z8o6DVP4qj","zone_entry":"2018-12-14 02:55:28","aaData": [{"epoch":1544763450,"time":"2018-12-14 15:57:30","lat":-37.58698,"lng":144.72,"speed":0}],{"aaData_encoded":"reldF_shrZsmhna{A?","cache_miss":1}} </pre>
<p>Human readable</p>	<pre> {,...} 4._7198bf67b5fd:{unique_id: "7198bf67b5fd", cid: "E1AC", name: "TMR Blue", operator: "3382df113382df1e",...} 5._fd34edadfef2:{unique_id: "fd34edadfef2", cid: "D098", name: "TMR Rex", operator: "14edea8dd6042b06",...} 1.aaData:[{epoch: 1543128150, time: "2018-11-25 17:42:30", lat: -37.56969, lng: 144.72476, speed: 0}] 1.0:{epoch: 1543128150, time: "2018-11-25 17:42:30", lat: -37.56969, lng: 144.72476, speed: 0} 1.epoch:1543128150 2.lat:-37.56969 3.lng:144.72476 4.speed:0 5.time:"2018-11-25 17:42:30" 2.aaData_encoded:"pyhdFwpirZkonj~zA?" 3.acc_counter:"70.5" 4.activity:"45645acd" 5.arrow_color:"rgb(94, 175, 255)" 6.assignment:"c271e5e215b" 7.cache_miss:1 8.cid:"D098" 9.comms_delta:1636508 10.daylight_saving:"1" 11.device_data:"6D40000001" 12.engine:0 13.engine_runtime:"65.3" 14.external_power:1 15.gps_antenna:1 16.gps_module:1 </pre>

```
17.gps_signal:0
18.gsm_module:1
19.gsm_signal:0
20.internal_battery:"Charging"
21.last_data_at:"2018-11-25 17:42:31"
22.last_data_at_epoch:1543128151
23.line_color:"#FE2712"
24.name:"TMR Rex"
25.odometer:26480
26.operator:"14edea8dd6042b06"
27.options:{input_action_1: "0", input_action_2: "0"}
    1.input_action_1:"0"
    2.input_action_2:"0"
28.rego:"429 KM"
29.timezone:10
30.unique_id:"fd34edadfef2"
31.updated_at:"2018-11-25 06:42:31"
32.volts:12.51
33.zone:"aA8qJyIwzhPR"
34.zone_entry:"2018-11-25 01:08:30"
6._fd34edadfef6:{unique_id: "fd34edadfef6", cid: "E001", name: "TMR Rodeo",
operator: "6eed23b56eed2406",...}
1.aaData:[{epoch: 1544763599, time: "2018-12-14 15:59:59", lat: -
37.56974, lng: 144.7247, speed: 0}]
    1.0:{epoch: 1544763599, time: "2018-12-14 15:59:59", lat: -
37.56974, lng: 144.7247, speed: 0}
        1.epoch:1544763599
        2.lat:-37.56974
        3.lng:144.7247
        4.speed:0
        5.time:"2018-12-14 15:59:59"
2.aaData_encoded:"zyhdFkpirZ}vhna{A?"
3.acc_counter:"299.7"
4.activity:"45645acd"
5.arrow_color:"rgb(94, 175, 255)"
6.assignment:null
7.cache_miss:1
8.cid:"E001"
9.comms_delta:821
10.daylight_saving:"1"
11.device_data:"000000001"
12.engine:0
13.engine_runtime:"238.7"
14.external_power:1
15.gps_antenna:0
16.gps_module:0
17.gps_signal:0
18.gsm_module:0
19.gsm_signal:0
20.internal_battery:"Charging"
21.last_data_at:"2018-12-14 16:03:58"
22.last_data_at_epoch:1544763838
23.line_color:"#FE2712"
24.name:"TMR Rodeo"
25.odometer:186717
26.operator:"6eed23b56eed2406"
27.options:{input_action_1: "0", input_action_2: "panic"}
    1.input_action_1:"0"
    2.input_action_2:"panic"
28.rego:"576 KCH"
29.timezone:10
30.unique_id:"fd34edadfef6"
31.updated_at:"2018-12-14 05:03:58"
32.volts:12.589
33.zone:"aA8qJyIwzhPR"
34.zone_entry:"2018-12-13 06:58:26"
```

Detailed description of returned data	
Name	Description
aaData	<p>Array of objects containing</p> <p>epoch: 1544759850 time: "2018-12-14 14:57:30" lat: -37.58698 lng: 144.72 speed: 0</p> <p>Note : speed is in km/h</p>
aaData_encoded	<p>Encoded array of aaData. The data is encoded to the Google polyline algorithm standard with information available at https://developers.google.com/maps/documentation/utilities/polylinealgorithm</p> <p>As part of the encoding we have extended the algorithm to also store the time (Y-m-d H:i:s) and speed in addition to the default algorithm standard of lat and lng.</p> <p>Data is stored in the order of lat, lng, time, speed</p> <p>For a code sample of storing encoded polyline data with lat, lng and time elements view the following code at https://github.com/ranaparth/time-aware-polyline-php</p>
acc_counter	Counter in decimal hours for the duration that the engine has been turned on.
activity	Deprecated - For internal use only.
arrow_color	Deprecated - For internal use only.
assignment	Deprecated - For internal use only.
cache_key	If this data was returned from our cache, the cache unique identifier key.
cache_miss	If this data wasn't found in our cache, will be set to 1.
cache_time_ms	Time in milliseconds to return the data from our cache store.
comms_delta	The number of seconds since the vehicle last communicated with our servers.
cid	Track My Ride external hardware identifier, as marked on the tracker.
daylight_saving	Does this vehicle observe DST?
device_data	For internal use only. Hexadecimal byte array of vehicle status flags.
engine	Is the engine currently turned on? 1 = yes, 0 = no
engine_runtime	Counter for duration of all recorded journeys in decimal hours.
external_power	Is a +12V power source currently connected to the tracker? 1 = yes, 0 = no
gps_antenna gps_module gps_signal gsm_module	Deprecated - For internal use only.

gsm_signal	
internal_battery	Status of the unit's internal battery [charging, discharging, charged]
last_data_at	The time that this tracker last was in communication with our servers. Shown in the tracker's localtime with DST applied if applicable.
last_data_at_epoch	Epoch representation of last_data_at
line_color	What colour to draw this tracker's data line as.
name	The name of this vehicle/tracker.
odometer	The odometer reading in km. Is automatically updated as journeys are recorded.
operator	Unique ID of operator associated with this vehicle, if applicable.
options	JSON object of options associated with this vehicle input_action_1:"0" – What internal function should occur when input #1 moves from low to high input_action_2:"panic" – What internal function should occur when input #2 moves from low to high
rego	Registration number of this vehicle/tracker.
timezone	The timezone in hours of this vehicle/tracker.
unique_id	The unique identifier for this vehicle/tracker.
updated_at	When was this vehicle's data last updated or modified (UTC Timezone)
zone	The unique ID of the zone the vehicle is currently in if applicable. If not in a zone will return an empty string.
zone_entry	UTC timestamp that the vehicle entered the current zone.

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/api.php' --data
'api_key=GF83FDSa72hds82jfd82js123j3284mw8223&user_key=gtr873ns2e
DSf111&limit=1&json=1&minutes=0&limit_aaData=1'
```

Module – devices, Action – export

Pending documentation review and update.

Module – devices, Action – import

Pending documentation review and update.

Module – devices, Action – set_driver

Pending documentation review and update.

Module – devices, Action – playback

Return historic tracking data for a vehicle over a period of time specified by the user. This function returns data in the same format as ‘Module – devices, Action – get’.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/api.php	XML

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Type	Description	Required?	Example
api_key	string	User's unique API key	yes	GF83FDSa72hds82jf FD82js123j3284mw8 223
user_key	string	User's unique User key	yes	gtr873ns2eDSf111
module	string	Module this API request relates to	yes	devices
action	string	The action this API request is carrying out	yes	playback
json	bool	Return data formatted as JSON	no	1
limit	int	Limit number of GPS data points returned in aaData and aaData_encoded to x data points	no	8640
limit_aaData	bool	Limit the number of GPS data points returned in aaData to x data points (Note : Does not limit aaData_encoded)	no	1
minutes	int	Return the GPS data points in aaData and aaData_encoded that have been recorded within the last x minutes from now. If no data points have been recorded the most recently recorded value will be returned. Passing variable minutes = 0 will disable this functionality.	no	1440
filter_vehicle	string	Filter the returned results so that only those matching the supplied vehicle's unique ID are returned	yes	7198bf67b5fd
from_date	string	Return data from this data as in the vehicle's localtime. Supply in the format of yyyy-mm-dd hh:ii:ss	yes	2018-12-12 00:00:00
to_date	string	Return data to this data as in the vehicle's localtime. Supply in the format of yyyy-mm-dd hh:ii:ss	yes	2018-12-12 23:59:59

Example returned data

Description	
Return the latest information for all our vehicles, with only the very latest recorded data point returned. This is useful if you want to simply plot the latest recorded position.	
Variable	Value
api_key	GF83FDSa72hds82jffD82js123j3284mw8223
user_key	gtr873ns2eDSf111
module	devices
action	playback
from_date	2018-12-12 00:00
to_date	2018-12-12
filter_vehicle	7198bf67b5fd
json	1
limit_aaData	1
Result JSON	<pre>{ "_7198bf67b5fd": { "unique_id": "7198bf67b5fd", "cid": "E1AC", "name": "T MR Blue", "operator": "3382df113382df1e", "odometer": 680 65, "timezone": 10, "daylight_saving": "1", "line_color ": "#0247FE", "arrow_color": "rgb(140, 211, 208)", "assignment": null, "activity": "45645acd", "eng ine_runtime": "124.2", "acc_counter": "127.4", "gsm_si gnal": 0, "gps_signal": 0, "last_data_at": "2018-12-14 15:58:22", "last_data_at_epoch": 1544763502, "updated _at": "2018-12-14 04:58:22", "volts": 12.678, "rego": "1KA 2PG", "device_data": "0000000003", "engine": 0, "gps_mo dule": 0, "gps_antenna": 0, "gsm_module": 0, "external_p ower": 1, "internal_battery": "Charged", "comms_delta" : 3195, "options": { "input_action_1": "0", "input_action_2": "panic", "z one": "99Z8o6DVP4qj", "zone_entry": "2018-12-14 02:55:28", "aaData": [{ "epoch": 1544537027, "time": "2018-12-12 01:03:47", "lat": - 37.56966, "lng": 144.72475, "speed": 0 }], "sql_time_ms_ 1": 24.9381065369, "aaData_encoded": "jyhdfupirZefn`a {A?FWbE??AtDKDC@GC??BxAnETq@T\\BXpDqCVILC@HF? @BzA~DPUPR@FpHkFVqAnIePh@x@TgAFM~AwDJPNg@DEHu@BSvE eLVFZsADPjFmFReA~JcN^PtIaPb@?fIiP`@[`G}R\\\\?xFuR\\ DhHkQ`@E HwPXe@jIeIPFpNuIVB`N_IV@bNiI\\ InKeNTQxJmNTHdLoMTGjL}MVVpJuPV]`JcQTKjKqMRJtLwLTBt LyLTHfLgLTCnLmLTC1LkLTFzLqLTUnLyLRChMyL\\xAhNmJ\\ Gz@y@BF^iAB?BuABCSqAB?eEyDLCEBoBFFcAqDHTAaABDF_@@? LW@EvAi@De@lpkAVk@bPy@V\\bBiADTxAcKRv@Ju@B? `CwJTw@rF}R`@HpEyR`@ArD_T^lADQ@L?O@?</pre>

	<p>QKBMWBBCaHg@RwBoPcBVMaP_BVFqPaBVC}OyAVn@uC_@JzAIE@LCE@Fz@qQ`@_ClAwTX]nA{UVYnAcURk@fA{TP~A`AcTb@SjA{TVejAmTVBhA}TXHnAiUXIjAiUXDdBsUXE~AsTXL A}TXQrAoUXX~@wU`@XtAaT`@HhB}Tf@r@CyAFMdBwTb@{@xAeT^`\dBsTn@`\dBeTv@?nA}Rz@]j@{T\g@dAkU\hAgU\IvAyTX?vA{T\PvAaT^?pAkU^`@VsAD^jAoS^aAr@mLz@jCXgE @uBnAgU\c@dBoUZOtAgTXFnAcTXCnAcUZnZa}T^na?W@CIQ@?o@GBy@sPlAZUkPzAZCkPtAXGkPlAX?_Q~AZNwOjAXS}OjAXFqPzAZJ{OrAZH}O~A\GkPrAZM_PnAX?cPv@X?}IiAPXcKWXdA[UFJgCBPOS@BF","cache_miss":1}}</p>
<p>Human readable</p>	<pre>{,...} 1. _7198bf67b5fd:{unique_id: "7198bf67b5fd", cid: "E1AC", name: "TMR Blue", operator: "3382df113382df1e",...} 1. aaData:[{epoch: 1544537027, time: "2018-12-12 01:03:47", lat: -37.56966, lng: 144.72475, speed: 0}] 2. aaData_encoded:"jyhdFupirZefn`a{A?FWbE??AtDKDC@GC??BxAneTq@T\BXpDqCVIILC@HF?@BzA~DPUPR@FpHkFVqAnIePh@x@TgAFM~AwDJPNG@DEHu@BSVeELVFZsADPjFmFreA~JcN^PtIaPb@?fiIP`@[`G}R\?xFuR\DhHkQ`@E HwPXe@jIeIPFpNuIVB`N_IV@bNiI\InKeNTQxJmNTHdLoMTGjL}MVVpJuPV}`JcQTKjKqMRJtLwLTbTLyLTHfLgLTcNlMlTClLkLTFzLqLUnLyLRChMyL\xAhNmJ\Gz@y@BF^iAB?BuABCsqAB?eEyDLceBoBFFcAqDHTAaABDF_@@?LW@EvAi@De@IPkAVk@bPy@V\bBiADTxAcKrv@Ju@B?`CwJT@rF}R`@HpEyR`@ArD_T^IADQ@L?O@?QKBMWBBCaHg@RwBoPcBVMaP_BVFqPaBVC}OyAVn@uC_@JzAIE@LCE@Fz@qQ`@_ClAwTX]nA{UVYnAcURk@fA{TP~A`AcTb@SjA{TVejAmTVBhA}TXHnAiUXIjAiUXDdBsUXE~AsTXL A}TXQrAoUXX~@wU`@XtAaT`@HhB}Tf@r@CyAFMdBwTb@{@xAeT^`\dBsTn@`\dBeTv@?nA}Rz@]j@{T\g@dAkU\hAgU\IvAyTX?vA{T\PvAaT^?pAkU^`@VsAD^jAoS^aAr@mLz@jCXgE @uBnAgU\c@dBoUZOtAgTXFnAcTXCnAcUZnZa}T^na?W@CIQ@?o@GBy@sPlAZUkPzAZCkPtAXGkPlAX?_Q~AZNwOjAXS}OjAXFqPzAZJ{OrAZH}O~A\GkPrAZM_PnAX?cPv@X?}IiAPXcKWXdA[UFJgCBPOS@BF" 3. acc_counter:"127.4" 4. activity:"45645acd" 5. arrow_color:"rgb(140, 211, 208)" 6. assignment:null 7. cache_miss:1 8. cid:"E1AC" 9. comms_delta:3195 10. daylight_saving:"1" 11. device_data:"000000003" 12. engine:0 13. engine_runtime:"124.2" 14. external_power:1 15. gps_antenna:0 16. gps_module:0 17. gps_signal:0 18. gsm_module:0 19. gsm_signal:0 20. internal_battery:"Charged" 21. last_data_at:"2018-12-14 15:58:22" 22. last_data_at_epoch:1544763502 23. line_color:"#0247FE" 24. name:"TMR Blue" 25. odometer:68065 26. operator:"3382df113382df1e" 27. options:{input_action_1: "0", input_action_2: "panic"} 28. rego:"1KA 2PG" 29. sql_time_ms_1:24.9381065369 30. timezone:10 31. unique_id:"7198bf67b5fd" 32. updated_at:"2018-12-14 04:58:22" 33. volts:12.678 34. zone:"99Z8o6DVP4qj" 35. zone_entry:"2018-12-14 02:55:28"</pre>

Detailed description of returned data	
Name	Description
aaData	<p>Array of objects containing</p> <p>epoch: 1544759850 time: "2018-12-14 14:57:30" lat: -37.58698 lng: 144.72 speed: 0</p> <p>Note : speed is in km/h</p>
aaData_encoded	<p>Encoded array of aaData. The data is encoded to the Google polyline algorithm standard with information available at https://developers.google.com/maps/documentation/utilities/polylinealgorithm</p> <p>As part of the encoding we have extended the algorithm to also store the time (Y-m-d H:i:s) and speed in addition to the default algorithm standard of lat and lng.</p> <p>Data is stored in the order of lat, lng, time, speed</p> <p>For a code sample of storing encoded polyline data with lat, lng and time elements view the following code at https://github.com/ranaparth/time-aware-polyline-php</p>
acc_counter	Counter in decimal hours for the duration that the engine has been turned on.
activity	Deprecated - For internal use only.
arrow_color	Deprecated - For internal use only.
assignment	Deprecated - For internal use only.
cache_key	If this data was returned from our cache, the cache unique identifier key.
cache_miss	If this data wasn't found in our cache, will be set to 1.
cache_time_ms	Time in milliseconds to return the data from our cache store.
comms_delta	The number of seconds since the vehicle last communicated with our servers.
cid	Track My Ride external hardware identifier, as marked on the tracker.
daylight_saving	Does this vehicle observe DST?
device_data	For internal use only. Hexadecimal byte array of vehicle status flags.
engine	Is the engine currently turned on? 1 = yes, 0 = no
engine_runtime	Counter for duration of all recorded journeys in decimal hours.
external_power	Is a +12V power source currently connected to the tracker? 1 = yes, 0 = no
gps_antenna gps_module	Deprecated - For internal use only.

gps_signal gsm_module gsm_signal	
internal_battery	Status of the unit's internal battery [charging, discharging, charged]
last_data_at	The time that this tracker last was in communication with our servers. Shown in the tracker's localtime with DST applied if applicable.
last_data_at_epoch	Epoch representation of last_data_at
line_color	What colour to draw this tracker's data line as.
name	The name of this vehicle/tracker.
odometer	The odometer reading in km. Is automatically updated as journeys are recorded.
operator	Unique ID of operator associated with this vehicle, if applicable.
options	JSON object of options associated with this vehicle input_action_1:"0" – What internal function should occur when input #1 moves from low to high input_action_2:"panic" – What internal function should occur when input #2 moves from low to high
rego	Registration number of this vehicle/tracker.
timezone	The timezone in hours of this vehicle/tracker.
unique_id	The unique identifier for this vehicle/tracker.
updated_at	When was this vehicle's data last updated or modified (UTC Timezone)
zone	The unique ID of the zone the vehicle is currently in if applicable. If not in a zone will return an empty string.
zone_entry	UTC timestamp that the vehicle entered the current zone.

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/api.php' --data
'api_key=GF83FDSa72hds82jfd82js123j3284mw8223&user_key=gtr873ns2e
DSf111&json=1&limit_aaData=1&filter_vehicle=7198bf67b5fd&module=de
vices&action=playback&from_date=2018-12-12+00%3A00&to_date=2018-
12-12+23%3A59'
```

Module - Drivers

Relating to drivers of vehicles.

Module – drivers, Action – get

Pending documentation review and update.

Module – drivers, Action – save

Pending documentation review and update.

Module – drivers, Action – delete

Pending documentation review and update.

Module - Emergency

Relating to the actions that should be undertaken by the Track My Ride platform if the emergency/panic button is pressed.

Module – emergency, Action – save

Pending documentation review and update.

Module - Subaccounts

Relating to sub-accounts. Sub-accounts provide access to an existing Track My Ride account with the ability to restrict access to vehicles and functionality/permissions.

Module – subaccounts, Action – get

Pending documentation review and update.

Module – subaccounts, Action – save

Pending documentation review and update.

Module – subaccounts, Action – delete

Pending documentation review and update.

Module - User

Relating to users and their account settings

Module – user, Action – get

Pending documentation review and update.

Module – user, Action – save

Pending documentation review and update.

Module – user, Action – set_options

Pending documentation review and update.

Module – user, Action – update_password

Pending documentation review and update.

Module – user, Action – logout

Pending documentation review and update.

Module – user, Action – generate_api_keys

Pending documentation review and update.

Module – user, Action – update_credit_card

Pending documentation review and update.

Module - Zones

Actions relating to zones. Zones are regions that vehicles can enter and exit. Zones can be tied to alerts to raise a notification automatically when a vehicle enters or exits a zone.

Module – zones, Action – get

Zones are returned in GeoJSON formatting. This is an industry standard format for representing shapes on a map surface. For further information please see <http://geojson.org/>

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/api.php	XML

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Type	Description	Required?	Example
api_key	string	User's unique API key	yes	GF83FDSa72hds82jf FD82js123j3284mw8 223
user_key	string	User's unique User key	yes	gtr873ns2eDSf111
module	string	Module this API request relates to	yes	zones
action	string	The action this API request is carrying out	yes	get
json	bool	Return data formatted as JSON	no	1

Example returned data

Description	
Return the latest information for all our vehicles, with only the very latest recorded data point returned. This is useful if you want to simply plot the latest recorded position.	
Variable	Value
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["153.065139", "-27.412386"], ["153.065182", "-
27.411929"], ["153.064388", "-27.411805"],
["153.062382", "-27.411229"], ["153.060252", "-

```

```

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["153.058251", "-27.410627"]]]}},
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{"type": "Feature", "id": "wEMFHq6SiypQ", "properties":
:
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```

	<pre> capacity":0.2,"visible":1,"logbookIsBusiness":1},"geometry":{"type":"Polygon","coordinates": [[[144.57928,-37.48327],[144.59847,-37.48556], [144.59627,-37.49703],[144.5743,-37.49262], [144.57928,-37.48327]]]}}, {"type":"Feature","id":"Rt5qhatLEuCL","properties" :{"name":"Maven Port Melbourne","lineColor":"#FEFE33","lineWeight":5,"l ineOpacity":1,"fillColor":"#FE2712","fillOpacity": 0.2,"visible":1,"logbookIsBusiness":1},"geometry": {"type":"Polygon","coordinates":[[[144.92412,- 37.82387],[144.92698,-37.82392],[144.9273,- 37.82494],[144.92448,-37.8251],[144.92412,- 37.82387]]]}}, {"type":"Feature","id":"Cv3p1VHmhtwH","properties" :{"name":"Samm restricted","lineColor":"#FE2712","lineWeight":5," lineOpacity":1,"fillColor":"#FFFFFF","fillOpacity" :0.2,"visible":1,"logbookIsBusiness":0},"geometry" :{"type":"Polygon","coordinates":[[[144.9876,- 37.72625],[145.00269,-37.72731],[145.00185,- 37.73516],[144.98621,-37.7336],[144.9876,- 37.72625]]]}}, {"type":"Feature","id":"TzKC9txofMA6","properties" :{"name":"Mark restricted","lineColor":"#FE2113","lineWeight":5," lineOpacity":1,"fillColor":"#FFFFFF","fillOpacity" :0.2,"visible":1,"logbookIsBusiness":0},"geometry" :{"type":"Polygon","coordinates":[[[152.90078,- 27.84129],[153.03124,-27.85671],[153.01847,- 27.94506],[152.87167,-27.93305],[152.90078,- 27.84129]]]}]} </pre>
<p>Human readable</p>	<pre> {type: "FeatureCollection",...} 1.features:[{type: "Feature", id: "235327876bfd",...}, {type: "Feature", id: "946302affee3",...},...] 1.0:{type: "Feature", id: "235327876bfd",...} 1.geometry:{type: "Polygon",...} 1.coordinates:[[[152.82746, -27.19536], [152.98753, - 27.1812], [153.03079, -27.18192], [153.07044, - 27.11781],...]] 1.0:[152.82746, -27.19536], [152.98753, - 27.1812], [153.03079, -27.18192], [153.07044, -27.11781],...] 2.type:"Polygon" 2.id:"235327876bfd" 3.properties:{name: "Sunshine Coast", lineColor: "#3eff5c", lineWeight: 5, lineOpacity: 1, fillColor: "#ff3ef4",...} 1.fillColor:"#ff3ef4" 2.fillOpacity:0.1 3.lineColor:"#3eff5c" 4.lineOpacity:1 5.lineWeight:5 6.logbookIsBusiness:1 7.name:"Sunshine Coast" 8.visible:1 4.type:"Feature" 2.1:{type: "Feature", id: "946302affee3",...} </pre>

	<pre> 3.2:{type: "Feature", id: "e56275f16103",...} 4.3:{type: "Feature", id: "a185182ba68a",...} 5.4:{type: "Feature", id: "d6a2d8d584c0",...} 6.5:{type: "Feature", id: "f81862f54855",...} 7.6:{type: "Feature", id: "f4a3297317f7",...} 8.7:{type: "Feature", id: "71c29770e37f",...} 9.8:{type: "Feature", id: "d32c3e4f420d",...} 10.9:{type: "Feature", id: "f2575625480d",...} 11.10:{type: "Feature", id: "c7dec5a3de4a",...} 12.11:{type: "Feature", id: "b6cd99cca796",...} 13.12:{type: "Feature", id: "cc0c172d7589",...} 14.13:{type: "Feature", id: "be69d4939f13",...} 15.14:{type: "Feature", id: "1cb471b5f5f3",...} 16.15:{type: "Feature", id: "352bc3cc8997",...} 17.16:{type: "Feature", id: "677eb22469b3",...} 18.17:{type: "Feature", id: "7797e2b6e609",...} 19.18:{type: "Feature", id: "9bba3df83d09",...} 20.19:{type: "Feature", id: "830de021e1aa",...} 21.20:{type: "Feature", id: "38bccfd21a81",...} 22.21:{type: "Feature", id: "6a6f6c2754b6",...} 23.22:{type: "Feature", id: "fb60804e11e6",...} 24.23:{type: "Feature", id: "7676f3402e5a",...} 25.24:{type: "Feature", id: "485b31ac28e",...} 26.25:{type: "Feature", id: "bf4460ca2d04",...} 27.26:{type: "Feature", id: "61f422677c7",...} 28.27:{type: "Feature", id: "4387b141b07d",...} 29.28:{type: "Feature", id: "aA8qJyIwzhPR",...} 30.29:{type: "Feature", id: "99Z8o6DVP4qj",...} 31.30:{type: "Feature", id: "1Jyr1yj8418m",...} 32.31:{type: "Feature", id: "wEMFHq6SiyypQ",...} 33.32:{type: "Feature", id: "Rt5qhatLEuCL",...} 34.33:{type: "Feature", id: "Cv3p1VHmhtwH",...} 35.34:{type: "Feature", id: "TzKC9txofMA6",...} </pre> <p>2.type:"FeatureCollection"</p>
--	--

Detailed description of returned data	
Name	Description
id	Unique ID for this zone
properties	JSON object containing properties that relate to this zone. <pre> fillColor: "#ff3ef4" fillOpacity: 0.1 lineColor: "#3eff5c" lineOpacity: 1 lineWeight: 5 logbookIsBusiness: 1 name: "Sunshine Coast" visible: 1 </pre>
fillColor	Hexadecimal fill colour for this zone.
fillOpacity	Fill opacity as a float, 0 = invisible, 1 = 100% visible.
lineColor	Hexadecimal line colour for this zone.
lineOpacity	Line opacity as a float, 0 = invisible, 1 = 100% visible.
logbookIsBusiness	Is this zone flagged as being business related for our Tax Logbook Report? 1 = yes, 0 = no

name	Name of this zone
visible	Is this zone visible or hidden? Visible = 1, hidden = 0

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/api.php' --data  
'api_key=GF83FDSa72hds82jfFD82js123j3284mw8223&user_key=gtr873ns2e  
DSf111&json=1&module=zones'
```

Module – zones, Action – save

Pending documentation review and update.

Module – zones, Action – delete

Pending documentation review and update.

4 Reports

Reports are available to be executed and downloaded (CSV, XLS, PDF) via an API request. Each report has its own unique endpoint address that must be queried as they operate separate to the general API calls.

Journey Report

The Journey Report gives you an overview of the journeys your vehicles have made from point A to point B.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report1.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy format date for the report data range to start at	yes	19-11-2018
reportDateTo	dd-mm-yyyy format date for the report data range to finish at	yes	22-11-2018
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
options[reportStops]	If 1, will include stop records in the returned data set	no	0
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https://app.trackmyride.com.au/v2/php/report_output/Journeys_2018-11-19_0000_to_2018-11-22_235959.4cb555.csv","notice":null}</pre>
Regular response	<pre>[{"unique_id":"216940399a8d40ce","name":"TMR Rodeo","rego_num":"576 KCH","driver":"Keyfob BE00000153554D0","event":"Traveling","start_full":"09:44:05 27&#8209;11&#8209;2018","start":"09:44:05","start_day":"Tuesday","stop":"09:52:37","stop_full":"09:52:37 27&#8209;11&#8209;2018","from":{"lat":"-"</pre>

	<pre>37.569488\", \"lng\": \"144.724945\", \"address\": \"14 Higgins Ave, Sunbury, VIC\"}, \"to\": {\"lat\": \"-37.586940\", \"lng\": \"144.720047\", \"address\": \"9-11 Sussex Ct, Sunbury, VIC\"}, \"duration\": \"0:08:32\", \"distance\": 3.845, \"speed\": \"Avg: 27<br\\/>Top: 56\", \"speed_avg\": 27, \"speed_top\": 56, \"classification\": \"Private\", \"classification_edited\": 0, \"description\": \"\", \"within_melbourne\": false, \"within_sydney\": false }]</pre>
--	--

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/report1.php' --data 'reportDateFrom=27-11-2018&reportDateTo=27-11-2018&vehicle=*&api_key=GF83FDSa72hds82jffD82js123j3284mw8223&user_key=gtr873ns2eDSf111&options%5BreportStops%5D=0'
```

Journey Summary

The Journey Summary Report tallies up the individual journeys shown in the 'Journey Report'. The totals are calculated from the date range selected.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report2.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy format date for the report data range to start at	yes	27-11-2018
reportDateTo	dd-mm-yyyy format date for the report data range to finish at	yes	27-11-2018
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https:\\\\app.trackmyride.com.au\\v2\\php\\report_output\\Journeys_2018-11-19_0000_to_2018-11-22_235959.4cb555.csv","notice":null}</pre>
Regular response	<pre>{"fd34edadfef6":{"name":"TMR Rodeo","rego_num":"576 KCH","date":"27&#8209;11&#8209;2018","journeys":1,"journeys_avg":"0:08:32","journeys_total":"0:08:32","stops":0,"stops_avg":0,"stops_total":0,"speed":"Avg: 27<br\\>Top: 56","speed_avg":27,"speed_top":56,"stops_avg_ttl":0,"speed_avg_ttl":27,"distance_average":3.8,"distance_ttl":3.8,"journeys_ttl":512,"within_melbourne_percentage":0,"within_sydney_percentage":0,"distance_ttl_day_sunday":0,"distance_ttl_day_monday":0,"distance_ttl_day_tuesday":3.8,"distance_ttl_day_wednesday":0,"distance_ttl_day_thursday":0,"distance_ttl_day_friday":0,"distance_ttl_day_saturday":0,"</pre>

	<pre>within_melbourne_ttl":0,"within_sydney_ttl":0,"daily_activity":"09:44:05 to 09:52:37", "daily_total_distance": "Sunday : 0 km<br\>\nMonday : 0 km<br\>\nTuesday : 3.8 km<br\>\nWednesday : 0 km<br\>\nThursday : 0 km<br\>\nFriday : 0 km<br\>\nSaturday : 0 km"}}</pre>
--	---

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/report2.php' --data 'reportDateFrom=27-11-2018&reportDateTo=27-11-2018&vehicle=*&api_key=GF83FDSa72hds82jfFD82js123j3284mw8223&user_key=gtr873ns2eDSf111&options=false'
```

Engine On/Off

The Engine On/Off report shows the times that the vehicle's engine has turned on and off along with the locations and duration of the event.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_engine.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy format date for the report data range to start at	yes	27-11-2018
reportDateTo	dd-mm-yyyy format date for the report data range to finish at	yes	27-11-2018
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https:\\\\app.trackmyride.com.au\\v2\\php\\report_output\\Daily_Journey_Summary_2018-11-27_0000_to_2018-11-27_235959.fb1abc.csv","notice":null}</pre>
Regular response	<pre>{"fd34edadfef6":{"name":"TMR Rodeo","rego_num":"576 KCH","date":"27&#8209;11&#8209;2018","journeys":1,"journeys_avg":"0:08:32","journeys_total":"0:08:32","stops":0,"stops_avg":0,"stops_total":0,"speed":"Avg: 27<br\\>Top: 56","speed_avg":27,"speed_top":56,"stops_avg_ttl":0,"speed_avg_ttl":27,"distance_average":3.8,"distance_ttl":3.8,"journeys_ttl":512,"within_melbourne_percentage":0,"within_sydney_percentage":0,"distance_ttl_day_sunday":0,"distance_ttl_day_monday":0,"distance_ttl_day_tuesday":3.8,"distance_ttl_day_wednesday":0,"distance_ttl_day_thursday":0,"distance_ttl_day_friday":0,"distance_ttl_day_saturday":0,"</pre>

```
within_melbourne_ttl":0,"within_sydney_ttl":0,"daily_activity":"09:44:05 to 09:52:37", "daily_total_distance": "Sunday : 0 km<br\>\nMonday : 0 km<br\>\nTuesday : 3.8 km<br\>\nWednesday : 0 km<br\>\nThursday : 0 km<br\>\nFriday : 0 km<br\>\nSaturday : 0 km"}}
```

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/report_engine.php' --data 'reportDateFrom=27-11-2018&reportDateTo=27-11-2018&vehicle=*&api_key=GF83FDSa72hds82jfFD82js123j3284mw8223&user_key=gtr873ns2eDSf111&options=false'
```

Time in Zones

The Time in Zones report outlines the time periods your vehicles have spent inside the zones you have setup on your account. All vehicles on your account that are within a zone will be returned.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_time_in_zones.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy format date for the report data range to start at	yes	27-11-2018
reportDateTo	dd-mm-yyyy format date for the report data range to finish at	yes	27-11-2018
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https:\\\\app.trackmyride.com.au\\v2\\php\\report_output\\Time_in_zones_2018-11-27_0000_to_2018-11-27_235959.2245ab.csv","notice":null}</pre>
Regular response	<pre>[{"name":"TMR Blue","rego_num":"1KA2PG","start_time_full":"18:38:09 26&#8209;11&#8209;2018","start_time":"18:38:09 26&#8209;11&#8209;2018","start_time_day":null,"end_time_full":"16:42:36 27&#8209;11&#8209;2018","end_time":"Presently in zone","end_time_day":null,"duration":"22:04:27","zone_name":"Home Sunbury"}, {"name":"TMR Rex","rego_num":"429 KM1","start_time_full":"12:08:30 25&#8209;11&#8209;2018","start_time":"12:08:30 25&#8209;11&#8209;2018","start_time_day":null,"end_time_full":"17:42:31 25&#8209;11&#8209;2018","end_time":"Presently in</pre>

<pre> zone", "end_time_day":null, "duration":"5:34:01", "zone_name": "Home Sunbury"}, {"name": "TMR Rodeo", "rego_num": "576 KCH", "start_time_full": "09:51:45 27&#8209;11&#8209;2018", "start_time": "09:51:45 27&#8209;11&#8209;2018", "start_time_day":null, "end_time_full": "16:22:15 27&#8209;11&#8209;2018", "end_time": "16:22:15 27&#8209;11&#8209;2018", "end_time_day":null, "duration": "6:30:30", "zone_name": "Track My Ride Sunbury"}, {"name": "TMR Rodeo", "rego_num": "576 KCH", "start_time_full": "16:44:38 27&#8209;11&#8209;2018", "start_time": "16:44:38 27&#8209;11&#8209;2018", "start_time_day":null, "end_time_full": "16:45:43 27&#8209;11&#8209;2018", "end_time": "Presently in zone", "end_time_day":null, "duration": "0:01:05", "zone_name": "Track My Ride Sunbury"}] </pre>
--

Example curl request

```

curl
'https://app.trackmyride.com.au/v2/php/report_time_in_zones.php'
--data 'reportDateFrom=27-11-2018&reportDateTo=27-11-2018&vehicle=*&api_key=GF83FDSa72hds82jfd82js123j3284mw8223&user_key=gtr873ns2eDSf111&options=false'

```

Tax Logbook

The Tax Logbook Report automatically classifies the journeys your vehicle has made for business and private use during the date period selected. The Australian Taxation Office specifies that if this is the first year you have used the logbook method you must keep a logbook during the income tax year for at least 12 continuous weeks.

The automatic classification operates as follows

- A journey can be manually classified as business or private. If it has not been manually classified the below criteria will be applied.
- A journey is classified as 'Business' only if its start time falls between the business hours you set in the options for this report.
- The journey's start and stop location is checked to see if it falls within any of your existing zones, and depending on if those zones are classified as business or private as follows

	Stop - Business Zone	Stop - Private Zone	Stop - No Zone
Start - Business Zone	Business	Private	Business
Start - Private Zone	Private	Private	Private
Start - No Zone	Business	Private	No change

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_tax.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy format date for the report data range to start at	yes	29-11-2018
reportDateTo	dd-mm-yyyy format date for the report data range to finish at	yes	29-11-2018
vehicle	A single vehicle's unique ID key	yes	fd34edadfef6
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv
options[business_hours]	Integer indexed array of array('day', 'hour')	no	For Monday 9:00 to 10:59:59 options[business_hours][0][day]: 1 options[business_hours][0][hour]: 9 options[business_hours][1][day]: 1

			options[business_hours][1][hour]: 10
--	--	--	--------------------------------------

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https://\app.trackmyride.com.au/v2/php/report_output/Tax_Logbook_TMRRodeo_2018-11-29_0000_to_2018-11-29_235959.21a572.pdf","notice":null}</pre>
Regular response	<pre>{"primary_data": [{"unique_id":"4a003c698f36dcd6","start":"09:22:28","stop":"09:30:44","start_odometer":186490.1,"stop_odometer":186493.9,"distance":3.8,"description":"","auto_description":"Auto - From 15 Higgins Ave, Sunbury, VIC to 9-11 Sussex Ct, Sunbury, VIC\nStarted journey in zone Home Sunbury(Private)\nFinished journey in zone Track My Ride Sunbury(Business)","classification":"Private"}, {"unique_id":"cbd6848c34f10c3d","start":"09:48:13","stop":"10:42:28","start_odometer":186493.9,"stop_odometer":186543.3,"distance":49.4,"description":"","auto_description":"Auto - From 9-11 Sussex Ct, Sunbury, VIC to 50-80 Turner St, Port Melbourne, VIC\nStarted journey in zone Track My Ride Sunbury(Business)\nFinished journey in zone Maven Port Melbourne(Business)","classification":"Business"}, {"unique_id":"cf8dd43875c56045","start":"11:09:38","stop":"11:45:32","start_odometer":186543.3,"stop_odometer":186584.4,"distance":41.1,"description":"","auto_description":"Auto - From 50-80 Turner St, Port Melbourne, VIC to 9-11 Sussex Ct, Sunbury, VIC\nFinished journey in zone Track My Ride Sunbury(Business)\nStarted journey in zone Maven Port Melbourne(Business)","classification":"Business"}, {"unique_id":"2fb7eff0eb929a70","start":"13:12:56","stop":"13:17:14","start_odometer":186584.4,"stop_odometer":186586.7,"distance":2.3,"description":"","auto_description":"Auto - From 9-11 Sussex Ct, Sunbury, VIC to 92 Evans St, Sunbury, VIC\nStarted journey in zone Track My Ride Sunbury(Business)","classification":"Business"}], "aux_data":{"name":"TMR Rodeo","rego_num":"576 KCH","date":"29/11/2018","journeys":4,"journeys_avg":"0:25:41","journeys_total":"1:42:43","stops":0,"stops_avg":0,"stops_total":0,"speed":"Avg: 42\nTop: 102","speed_avg":42,"speed_top":102,"stops_avg_ttl</pre>

<pre>":0,"speed_avg_ttl":169,"distance_average":24.2,"distance_ttl":96.6,"journeys_ttl":6163,"distance_ttl_day_sunday":0,"distance_ttl_day_monday":0,"distance_ttl_day_tuesday":0,"distance_ttl_day_wednesday":0,"distance_ttl_day_thursday":96.6,"distance_ttl_day_friday":0,"distance_ttl_day_saturday":0,"logbook_start_date":"09:22:28 29-11-2018","logbook_end_date":"13:17:14","logbook_start_odometer":186490.1,"logbook_end_odometer":186586.7,"logbook_journeys_total_business":3,"logbook_journeys_total_private":1,"logbook_journeys_total_business_km":92.8,"logbook_journeys_total_private_km":3.8,"daily_activity":"09:22:28 to 13:17:14"}}</pre>

Example curl request

<p>With business hours set to M-F 9-5</p> <pre>curl 'https://app.trackmyride.com.au/v2/php/report_tax.php' --data 'reportDateFrom=29-11-2018&reportDateTo=29-11-2018&vehicle=fd34edadfef6&api_key=GF83FDSa72hds82jffD82js123j3284mw8223&user_key=gtr873ns2eDSf111&options%5Bbusiness_hours%5D%5B0%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B0%5D%5Bhour%5D=9&options%5Bbusiness_hours%5D%5B1%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B1%5D%5Bhour%5D=10&options%5Bbusiness_hours%5D%5B2%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B2%5D%5Bhour%5D=11&options%5Bbusiness_hours%5D%5B3%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B3%5D%5Bhour%5D=12&options%5Bbusiness_hours%5D%5B4%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B4%5D%5Bhour%5D=13&options%5Bbusiness_hours%5D%5B5%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B5%5D%5Bhour%5D=14&options%5Bbusiness_hours%5D%5B6%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B6%5D%5Bhour%5D=15&options%5Bbusiness_hours%5D%5B7%5D%5Bday%5D=1&options%5Bbusiness_hours%5D%5B7%5D%5Bhour%5D=16&options%5Bbusiness_hours%5D%5B8%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B8%5D%5Bhour%5D=9&options%5Bbusiness_hours%5D%5B9%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B9%5D%5Bhour%5D=10&options%5Bbusiness_hours%5D%5B10%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B10%5D%5Bhour%5D=11&options%5Bbusiness_hours%5D%5B11%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B11%5D%5Bhour%5D=12&options%5Bbusiness_hours%5D%5B12%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B12%5D%5Bhour%5D=13&options%5Bbusiness_hours%5D%5B13%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B13%5D%5Bhour%5D=14&options%5Bbusiness_hours%5D%5B14%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B14%5D%5Bhour%5D=15&options%5Bbusiness_hours%5D%5B15%5D%5Bday%5D=2&options%5Bbusiness_hours%5D%5B15%5D%5Bhour%5D=16&options%5Bbusiness_hours%5D%5B16%5D%5Bday%5D=3&options%5Bbusiness_hours%5D%5B16%5D%5Bhour%5D=9&options%5Bbusiness_hours%5D%5B17%5D%5Bday%5D=3&options%5Bbusiness_hours%5D%5B17%5D%5Bhour%5D=10&options%5Bbusiness_hours%5D%5B18%5D%5Bday%5D=3&options%5Bbusiness_hours%5D%5B18%5D%5Bhour%5D=11&options%5Bbusiness_hours%5D%5B19%5D%5Bday%5D=3&options%5Bbusiness_hours</pre>
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%5D%5B19%5D%5Bhour%5D=12&options%5Bbusiness_hours%5D%5B20%5D%5Bday%5D=3&options%5Bbusiness_hours%5D%5B20%5D%5Bhour%5D=13&options%5Bbusiness_hours%5D%5B21%5D%5Bday%5D=3&options%5Bbusiness_hours%5D%5B21%5D%5Bhour%5D=14&options%5Bbusiness_hours%5D%5B22%5D%5Bday%5D=3&options%5Bbusiness_hours%5D%5B22%5D%5Bhour%5D=15&options%5Bbusiness_hours%5D%5B23%5D%5Bday%5D=3&options%5Bbusiness_hours%5D%5B23%5D%5Bhour%5D=16&options%5Bbusiness_hours%5D%5B24%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B24%5D%5Bhour%5D=9&options%5Bbusiness_hours%5D%5B25%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B25%5D%5Bhour%5D=10&options%5Bbusiness_hours%5D%5B26%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B26%5D%5Bhour%5D=11&options%5Bbusiness_hours%5D%5B27%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B27%5D%5Bhour%5D=12&options%5Bbusiness_hours%5D%5B28%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B28%5D%5Bhour%5D=13&options%5Bbusiness_hours%5D%5B29%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B29%5D%5Bhour%5D=14&options%5Bbusiness_hours%5D%5B30%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B30%5D%5Bhour%5D=15&options%5Bbusiness_hours%5D%5B31%5D%5Bday%5D=4&options%5Bbusiness_hours%5D%5B31%5D%5Bhour%5D=16&options%5Bbusiness_hours%5D%5B32%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B32%5D%5Bhour%5D=9&options%5Bbusiness_hours%5D%5B33%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B33%5D%5Bhour%5D=10&options%5Bbusiness_hours%5D%5B34%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B34%5D%5Bhour%5D=11&options%5Bbusiness_hours%5D%5B35%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B35%5D%5Bhour%5D=12&options%5Bbusiness_hours%5D%5B36%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B36%5D%5Bhour%5D=13&options%5Bbusiness_hours%5D%5B37%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B37%5D%5Bhour%5D=14&options%5Bbusiness_hours%5D%5B38%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B38%5D%5Bhour%5D=15&options%5Bbusiness_hours%5D%5B39%5D%5Bday%5D=5&options%5Bbusiness_hours%5D%5B39%5D%5Bhour%5D=16'

Raw GPS Data

View the raw GPS data points and information that your tracker has transmitted to our servers. We derive the values in the other reports from this data.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_raw.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy format date for the report data range to start at	yes	29-11-2018
reportDateTo	dd-mm-yyyy format date for the report data range to finish at	yes	29-11-2018
vehicle	A single vehicle's unique ID key	yes	fd34edadfef6
export_type	[csv,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https:\\\\app.trackmyride.com.au\\v2\\php\\report_output\\GPSData_TMRRodeo_2018-11-29_0000_to_2018-11-29_235959.ee5622.csv","notice":null}</pre>
Regular response	<pre>[{"name":"TMR Rodeo","created_at_full":"01:16:21 29&#8209;11&#8209;2018","created_at":"01:16:21","created_at_day":null,"updated_at_full":"01:18:20 29&#8209;11&#8209;2018","updated_at":"01:18:20","updated_at_day":null,"time_delta":119,"lat":-37.56971,"lng":144.7247,"lat_lng":"{\\"lat\\":-37.56971,\\"lng\\":144.7247,\\"address\\":\\"-37.56971, 144.7247\\"}","speed":0,"bearing":0,"satellites":0,"volts":12.775,"ignition":"Off","device_extended_data":"Trigger Event => Normal Data Recording Ignition Input => Low (0V, Ignition off) Digital Input Status 1 => Low (0V) Digital Input Status 2 => Low (0V) Digital Input Status 3 => Low (0V) Digital Output 1 State => Off (High</pre>

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impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12775mV</li> <li>Internal
Battery Voltage => 4207mV</li> <li>Internal
Battery Charging Current => 4mA</li> <li>GSM
Operator Code => 50502</li> </ul>"},"name":"TMR
Rodeo","created_at_full":"02:16:22
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reated_at_day":null,"updated_at_full":"02:17:52
29&#8209;11&#8209;2018","updated_at":"02:17:52","u
pdated_at_day":null,"time_delta":90,"lat":-
37.56971,"lng":144.7247,"lat_lng":{"lat":-
37.56971,"lng":144.7247,"address\":"-37.56971,
144.7247\}"},"speed":0,"bearing":0,"satellites":0,
"volts":12.752,"ignition":"Off","device_extended_d
ata":"<ul><li>Trigger Event => Normal Data
Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>
Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital Input Status 3 => Low
(0V)</li> <li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12752mV</li> <li>Internal
Battery Voltage => 4207mV</li> <li>Internal
Battery Charging Current => 6mA</li> <li>GSM
Operator Code => 50503</li> </ul>"},"name":"TMR
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pdated_at_day":null,"time_delta":120,"lat":-
37.56971,"lng":144.7247,"lat_lng":{"lat":-
37.56971,"lng":144.7247,"address\":"-37.56971,
144.7247\}"},"speed":0,"bearing":0,"satellites":0,
"volts":12.758,"ignition":"Off","device_extended_d
ata":"<ul><li>Trigger Event => Normal Data
Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>

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Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital Input Status 3 => Low
(0V)</li> <li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12758mV</li> <li>Internal
Battery Voltage => 4207mV</li> <li>Internal
Battery Charging Current => 4mA</li> <li>GSM
Operator Code => 50502</li> </ul>"}, {"name": "TMR
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pdated_at_day": null, "time_delta": 90, "lat": -
37.56971, "lng": 144.7247, "lat_lng": {"lat": -
37.56971, "lng": 144.7247, "address": "-37.56971,
144.7247"}, "speed": 0, "bearing": 0, "satellites": 0,
"volts": 12.76, "ignition": "Off", "device_extended_da
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Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>
Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital Input Status 3 => Low
(0V)</li> <li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 8mV</li> <li>External Power
Voltage => 12760mV</li> <li>Internal Battery
Voltage => 4199mV</li> <li>Internal Battery
Charging Current => 6mA</li> <li>GSM Operator
Code => 50503</li> </ul>"}, {"name": "TMR
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pdated_at_day": null, "time_delta": 120, "lat": -
37.56971, "lng": 144.7247, "lat_lng": {"lat": -
37.56971, "lng": 144.7247, "address": "-37.56971,
144.7247"}, "speed": 0, "bearing": 0, "satellites": 0,
"volts": 12.762, "ignition": "Off", "device_extended_d

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ata":<ul><li>Trigger Event => Normal Data
Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>
Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital Input Status 3 => Low
(0V)</li> <li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12762mV</li> <li>Internal
Battery Voltage => 4178mV</li> <li>Internal
Battery Charging Current => 4mA</li> <li>GSM
Operator Code => 50502</li> </ul>"},"name":"TMR
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reated_at_day":null,"updated_at_full":"06:18:03
29&#8209;11&#8209;2018","updated_at":"06:18:03","u
pdated_at_day":null,"time_delta":101,"lat":-
37.56971,"lng":144.7247,"lat_lng":{"lat":-
37.56971,"lng":144.7247,"address":"-37.56971,
144.7247"},"speed":0,"bearing":0,"satellites":0,
"volts":12.734,"ignition":"Off","device_extended_d
ata":<ul><li>Trigger Event => Normal Data
Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>
Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital Input Status 3 => Low
(0V)</li> <li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12734mV</li> <li>Internal
Battery Voltage => 4159mV</li> <li>Internal
Battery Charging Current => 2mA</li> <li>GSM
Operator Code => 50503</li> </ul>"},"name":"TMR
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pdated_at_day":null,"time_delta":113,"lat":-
37.56971,"lng":144.7247,"lat_lng":{"lat":-

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144.7247\"},\"speed\":0,\"bearing\":0,\"satellites\":0,
\"volts\":12.712,\"ignition\":\"Off\",\"device_extended_d
ata\":\"<ul><li>Trigger Event => Normal Data
Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>
Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital Input Status 3 => Low
(0V)</li> <li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12712mV</li> <li>Internal
Battery Voltage => 4141mV</li> <li>Internal
Battery Charging Current => 1mA</li> <li>GSM
Operator Code => 50502</li> </ul>\"},{\"name\":\"TMR
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144.7247\"},\"speed\":0,\"bearing\":0,\"satellites\":0,
\"volts\":12.715,\"ignition\":\"Off\",\"device_extended_d
ata\":\"<ul><li>Trigger Event => Normal Data
Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>
Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital
Input Status 3 => Low (0V)</li> <li>Digital
Output 1 State => Off (High impedance)</li>
<li>Digital Output 2 State => Off (High
impedance)</li> <li>GPS Status => GPS module in
sleep mode</li> <li>Movement Sensor => No
movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 3\\5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12715mV</li> <li>Internal
Battery Voltage => 4124mV</li> <li>Internal
Battery Charging Current => 2mA</li> <li>GSM
Operator Code => 50503</li> </ul>\"},{\"name\":\"TMR
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29&#8209;11&#8209;2018\",\"created_at\":\"09:16:24\",\"c
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144.7247\"},"speed":0,"bearing":0,"satellites":0,
"volts":12.673,"ignition":"Off","device_extended_d
ata":"<ul><li>Trigger Event => Normal Data
Recording</li> <li>Ignition Input => Low (0V,
Ignition off)</li> <li>Digital Input Status 1 =>
Low (0V)</li> <li>Digital Input Status 2 => Low
(0V)</li> <li>Digital Input Status 3 => Low
(0V)</li> <li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
module in sleep mode</li> <li>Movement Sensor =>
No movement detected</li> <li>Working Mode =>
Stopped</li> <li>GSM signal Level => 4\\/5 (0 = no
signal, 5 = excellent)</li> <li>Deep Sleep =>
Deep sleep mode activated, maximum power saving</
li> <li>Ignition State => Engine off</li>
<li>Analog Input 1 => 12mV</li> <li>External
Power Voltage => 12673mV</li> <li>Internal
Battery Voltage => 4108mV</li> <li>Internal
Battery Charging Current => 2mA</li> <li>GSM
Operator Code => 50502</li> </ul>"},"name":"TMR
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37.56971,\"lng\":144.7247,\"address\":"-37.56971,
144.7247\"},"speed":0,"bearing":0,"satellites":0,
"volts":12.37,"ignition":"On","device_extended_dat
a":"<ul><li>Trigger Event => Ignition State</li>
<li>Ignition Input => High (> 12V, Ignition on)</
li> <li>Digital Input Status 1 => Low (0V)</li>
<li>Digital Input Status 2 => Low (0V)</li>
<li>Digital Input Status 3 => Low (0V)</li>
<li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
signal lost, searching for satellites</li>
<li>Movement Sensor => No movement detected</li>
<li>Working Mode => Stopped</li> <li>GSM signal
Level => 3\\/5 (0 = no signal, 5 = excellent)</li>
<li>Deep Sleep => Not in deep sleep mode, normal
operation</li> <li>Ignition State => Engine on</
li> <li>Analog Input 1 => 32mV</li> <li>External
Power Voltage => 12370mV</li> <li>Area Code =>
333</li> <li>Internal Battery Voltage =>
4107mV</li> <li>Internal Battery Charging Current

```

```

=> 4mA</li> <li>GSM Operator Code => 50503</li>
<li>Cell ID => 86619862</li> <li>iButton ID =>
0</li> </ul>"}, {"name": "TMR
Rodeo", "created_at_full": "09:21:13
29&#8209;11&#8209;2018", "created_at": "09:21:13", "c
reated_at_day": null, "updated_at_full": "09:21:42
29&#8209;11&#8209;2018", "updated_at": "09:21:42", "u
pdated_at_day": null, "time_delta": 29, "lat": -
37.56971, "lng": 144.7247, "lat_lng": "{ \"lat\": -
37.56971, \"lng\": 144.7247, \"address\": \"-37.56971,
144.7247\" }", "speed": 0, "bearing": 0, "satellites": 0,
"volts": 12.37, "ignition": "On", "device_extended_dat
a": "<ul><li>Trigger Event => Ignition Input</li>
<li>Ignition Input => High (> 12V, Ignition on)</
li> <li>Digital Input Status 1 => Low (0V)</li>
<li>Digital Input Status 2 => Low (0V)</li>
<li>Digital Input Status 3 => Low (0V)</li>
<li>Digital Output 1 State => Off (High
impedance)</li> <li>Digital Output 2 State => Off
(High impedance)</li> <li>GPS Status => GPS
signal lost, searching for satellites</li>
<li>Movement Sensor => No movement detected</li>
<li>Working Mode => Stopped</li> <li>GSM signal
Level => 3\\5 (0 = no signal, 5 = excellent)</li>
<li>Deep Sleep => Not in deep sleep mode, normal
operation</li> <li>Ignition State => Engine on</
li> <li>Analog Input 1 => 32mV</li> <li>External
Power Voltage => 12370mV</li> <li>Area Code =>
333</li> <li>Internal Battery Voltage =>
4107mV</li> <li>Internal Battery Charging Current
=> 4mA</li> <li>GSM Operator Code => 50503</li>
<li>Cell ID => 86619862</li> <li>iButton ID =>
0</li> </ul>"}]

```

Example curl request

```

curl 'https://app.trackmyride.com.au/v2/php/report_raw.php' --data
'reportDateFrom=29-11-2018&reportDateTo=29-11-
2018&vehicle=fd34edadfef6&api_key=GF83FDSa72hds82jffD82js123j3284m
w8223&user_key=gtr873ns2eDSf111&options=false'

```

Zone Stocktake

Perform a stocktake of your vehicles based on the zones they are currently located in.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_stocktake.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<code>{"success":1,"filename":"https:\\\\app.trackmyride.com.au\\v2\\php\\report_output\\zones_stocktake.b5aff5.csv","notice":null}</code>
Regular response	<code>[{"name":"TMR Rex","rego_num":"429 KM1","date":"17:42:30 25&#8209;11&#8209;2018","zones":"Home Sunbury"}, {"name":"TMR Rodeo","rego_num":"576 KCH","date":"14:01:30 29&#8209;11&#8209;2018","zones":"Track My Ride Sunbury"}, {"name":"TMR Blue","rego_num":"1KA 2PG","date":"14:42:04 29&#8209;11&#8209;2018","zones":"Home Sunbury"}]</code>

Example curl request

```
curl
'https://app.trackmyride.com.au/v2/php/report_zones_stocktake.php'
--data
'reportDateFrom=false&reportDateTo=false&vehicle=false&api_key=GF8
3FDSa72hds82jffD82js123j3284mw8223&user_key=gtr873ns2eDSf111&optio
ns=false'
```

Refueling

The Refueling Report utilises the refueling data you have entered for your vehicles to calculate your average

L/100km. If the L/100km deviates from the average more than the threshold then the entry is highlighted for review. This report can be used to identify if multiple vehicles are being refueled with your company fuel card or to simply monitor average fuel consumption trends.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_refueling.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy format date for the report data range to start at	yes	01-01-2018
reportDateTo	dd-mm-yyyy format date for the report data range to finish at	yes	29-11-2018
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https://app.trackmyride.com.au/v2/php/report_output/Refueling_2018-01-01_0000_to_2018-11-29_235959.c44559.csv","notice":null}</pre>
Regular response	<pre>[{"unique_id":"767ab2fa21619a41","device_id":"fd34edadfef2","name":"TMR Rex","rego_num":"429 KM1","driver":"Rex Shepherd","start_time_full":"15:12:00 16&#8209;02&#8209;2018","start_time":"15:12:00","start_time_day":null,"end_time_full":"01:12:00 24&#8209;02&#8209;2018","end_time":"01:12:00","end_time_day":null,"journeys":0,"travel_time":"178:00:00","distance":0,"l_100km":"0.0","deviation_l_100km":-52.4,"l_refuelled":"21.00","cpl":"143.500","cost":"\$30.14"}, {"unique_id":"c68a78f390810bfb","device_id":"fd34edadfef2","name":"TMR Rex","rego_num":"429 KM1","driver":"Rex Shepherd"}]</pre>

```

Shepherd", "start_time_full": "01:12:00
24#8209;02#8209;2018", "start_time": "01:12:00", "s
tart_time_day": null, "end_time_full": "10:00:00
18#8209;07#8209;2018", "end_time": "10:00:00", "end
_time_day": null, "journeys": 16, "travel_time": "3464:
48:00", "distance": 38.169, "l_100km": "157.2", "deviat
ion_l_100km": 104.8, "l_refuelled": "60.00", "cpl": "14
9.000", "cost": "$89.40"},
{"unique_id": "84993abdde9c6199", "device_id": "fd34e
dadfef2", "name": "TMR Rex", "rego_num": "429
KM1", "driver": null, "start_time_full": "10:00:00
18#8209;07#8209;2018", "start_time": "10:00:00", "s
tart_time_day": null, "end_time_full": "10:00:00
27#8209;09#8209;2018", "end_time": "10:00:00", "end
_time_day": null, "journeys": 6, "travel_time": "1704:0
0:00", "distance": 21.233, "l_100km": "235.5", "deviati
on_l_100km": 183.1, "l_refuelled": "50.00", "cpl": "136
.000", "cost": "$68.00"},
{"unique_id": "c27441198f518769", "device_id": "fd34e
dadfef2", "name": "TMR Rex", "rego_num": "429
KM1", "driver": "Leon
Muller", "start_time_full": "10:00:00
27#8209;09#8209;2018", "start_time": "10:00:00", "s
tart_time_day": null, "end_time_full": "17:42:31
25#8209;11#8209;2018", "end_time": "17:42:31", "end
_time_day": null, "journeys": 11, "travel_time": "1422:
42:31", "distance": 192.122, "l_100km": "0.0", "deviati
on_l_100km": -
52.4, "l_refuelled": "0.00", "cpl": "0.000", "cost": "$0
.00"}]

```

Example curl request

```

curl 'https://app.trackmyride.com.au/v2/php/report_refuel.php' --
data 'reportDateFrom=01-01-2018&reportDateTo=29-11-
2018&vehicle=*&api_key=GF83FDSa72hds82jffD82js123j3284mw8223&user_
key=gtr873ns2eDSf111&options=false'

```

Maintenance

The Maintenance report checks your vehicle odometers and reports on vehicles that are approaching or have exceeded their periodic maintenance window. The report will show your vehicles that are within 20% of their next service interval or have passed their service interval by 10%.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_maintenance.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
interval	Interger maintenance interval in km. Will default to 10000 if < 10 is supplied or if value is not supplied	no	10000
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https:\\\\app.trackmyride.com.au\\v2\\php\\report_output\\vehicle_maintenance.d4aae9.csv","notice":null}</pre>
Regular response	<pre>[{"name":"TMR Rex","rego_num":"429 KM1","date":"16:42:30 25&#8209;11&#8209;2018","odometer":"26480 km","notes":"30000 km service due in 3520 km"}, {"name":"TMR Rodeo","rego_num":"576 KCH","date":"14:54:18 29&#8209;11&#8209;2018","odometer":"186596 km","notes":"190000 km service due in 3404 km"}, {"name":"TMR Blue","rego_num":"1KA 2PG","date":"14:42:04 29&#8209;11&#8209;2018","odometer":"67770 km","notes":"70000 km service due in 2230 km"}]</pre>

Example curl request


```
curl
'https://app.trackmyride.com.au/v2/php/report_maintenance.php' --
data
'reportDateFrom=false&reportDateTo=false&vehicle=false&api_key=GF8
3FDSa72hds82jfFD82js123j3284mw8223&user_key=gtr873ns2eDSf111&optio
ns%5Binterval%5D=10000'
```

Heatmap

The Heatmap report allows you to see which areas your vehicles most often frequent. The report inspects the recorded datapoints from your vehicles and sorts them into grid blocks across the map. The grid blocks are ordered from those with most activity to least activity, with the percentage of coverage of the total set. You can change the size of the grid block in the report options. Grids with fewer than 10 recorded datapoints within are filtered out to limit the result set from being too large.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_heatmap.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy hh:mm format date for the report data range to start at	yes	29-11-2018 00:00
reportDateTo	dd-mm-yyyy hh:mm format date for the report data range to finish at	yes	29-11-2018 23:59
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
precision	Determines the edge size of the grid boundary. 0.5 = 50km approx. 0.2 = 20km approx. 0.1 = 10km approx. 0.05 = 5km approx. 0.01 = 1km approx. 0.001 = 100m approx. 0.0001 = 10m approx.	yes	0.05
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If export_type is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https:\\\\/app.trackmyride.com.au\\/v2\\/php\\/report_output\\/GPSDataHeatmap_2018-11-29_0000_to_2018-11-29_235900.973344.csv","notice":null}</pre>

Regular response	<pre>{ "0": { "bounds": { "x1": -37.57, "y1": 144.72, "x2": -37.56, "y2": 144.73 }, "count": 189, "vehicle_count": 2, "id": 1, "percentage": "26.92%" }, "1": { "bounds": { "x1": -37.58, "y1": 144.72, "x2": -37.57, "y2": 144.73 }, "count": 149, "vehicle_count": 2, "id": 2, "percentage": "21.23%" }, "2": { "bounds": { "x1": -37.59, "y1": 144.72, "x2": -37.58, "y2": 144.73 }, "count": 105, "vehicle_count": 2, "id": 3, "percentage": "14.96%" }, "3": { "bounds": { "x1": -37.59, "y1": 144.71, "x2": -37.58, "y2": 144.72 }, "count": 60, "vehicle_count": 1, "id": 4, "percentage": "8.55%" }, "4": { "bounds": { "x1": -37.8, "y1": 144.86, "x2": -37.79, "y2": 144.87 }, "count": 42, "vehicle_count": 1, "id": 5, "percentage": "5.98%" }, "5": { "bounds": { "x1": -37.8, "y1": 144.83, "x2": -37.79, "y2": 144.84 }, "count": 31, "vehicle_count": 1, "id": 6, "percentage": "4.42%" }, "6": { "bounds": { "x1": -37.81, "y1": 144.87, "x2": -37.8, "y2": 144.88 }, "count": 31, "vehicle_count": 1, "id": 7, "percentage": "4.42%" }, "7": { "bounds": { "x1": -37.81, "y1": 144.86, "x2": -37.8, "y2": 144.87 }, "count": 17, "vehicle_count": 1, "id": 8, "percentage": "2.42%" }, "8": { "bounds": { "x1": -37.73, "y1": 144.84, "x2": -37.72, "y2": 144.85 }, "count": 17, "vehicle_count": 1, "id": 9, "percentage": "2.42%" }, "9": { "bounds": { "x1": -37.74, "y1": 144.85, "x2": -37.73, "y2": 144.86 }, "count": 14, "vehicle_count": 1, "id": 10, "percentage": "1.99%" }, "10": { "bounds": { "x1": -37.8, "y1": 144.82, "x2": -37.79, "y2": 144.83 }, "count": 12, "vehicle_count": 1, "id": 11, "percentage": "1.71%" }, "11": { "bounds": { "x1": -37.8, "y1": 144.84, "x2": -37.79, "y2": 144.85 }, "count": 12, "vehicle_count": 1, "id": 12, "percentage": "1.71%" }, "12": { "bounds": { "x1": -37.8, "y1": 144.85, "x2": -37.79, "y2": 144.86 }, "count": 12, "vehicle_count": 1, "id": 13, "percentage": "1.71%" }, "13": { "bounds": { "x1": -37.76, "y1": 144.83, "x2": -37.75, "y2": 144.84 }, "count": 11, "vehicle_count": 1, "id": 14, "percentage": "1.57%", "filtered": true }, "id": "Filtered", "count": 186, "bounds": {} }</pre>
------------------	---

Example curl request

```
curl 'https://app.trackmyride.com.au/v2/php/report_heatmap.php' --
data 'reportDateFrom=29-11-2018+00%3A00&reportDateTo=29-11-
```

2018+23%3A59&vehicle=*&export_type=csv&api_key=GF83FDSa72hds82jfFD
82js123j3284mw8223&user_key=gtr873ns2eDSf111&options%5Bprecision
%5D=0.01'

Inputs

The Inputs report shows the duration that external devices connected to your tracker have been active for. The input channels are active while a +12v signal is present on the corresponding input wire from your tracker. This is useful for recording the usage of external devices like fuel pumps, lights, alarms and similar.

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_inputs.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy hh:mm format date for the report data range to start at	yes	06-09-2018 00:00
reportDateTo	dd-mm-yyyy hh:mm format date for the report data range to finish at	yes	06-10-2018 23:59
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls, pdf	<pre>{"success":1,"filename":"https:\\\\/app.trackmyride.com.au\\v2\\php\\report_output\\Inputs_2018-09-06_0000_to_2018-10-06_235959.8d3aa2.csv","notice":null}</pre>
Regular response	<pre>[{"unique_id":"576037956d0d","name":"Ryan","rego_num":"Ryan","start_time":"12:32:1707&#8209;09&#8209;2018","end_time":"12:32:4407&#8209;09&#8209;2018","duration":"0:00:27","input":"Input 1"}, {"unique_id":"576037956d0d","name":"Ryan","rego_num":"Ryan","start_time":"16:20:3907&#8209;09&#8209;2018","end_time":"16:20:5407&#8209;09&#8209;2018","duration":"0:00:15","input":"Input 1"}, {"unique_id":"d83f33f2f266","name":"E10A Dev","rego_num":"E10A","start_time":"10:12:3905&#8209;10&#8209;2018","end_time":"10:12:39</pre>

```

05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "12:24:54
05&#8209;10&#8209;2018", "end_time": "12:24:54
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "12:26:02
05&#8209;10&#8209;2018", "end_time": "12:26:02
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "12:28:22
05&#8209;10&#8209;2018", "end_time": "12:28:22
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "12:33:50
05&#8209;10&#8209;2018", "end_time": "12:33:50
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "14:37:44
05&#8209;10&#8209;2018", "end_time": "14:37:44
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "14:41:56
05&#8209;10&#8209;2018", "end_time": "14:41:56
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "14:45:06
05&#8209;10&#8209;2018", "end_time": "14:45:06
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "14:49:44
05&#8209;10&#8209;2018", "end_time": "14:49:44
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"},
{"unique_id": "d83f33f2f266", "name": "E10A
Dev", "rego_num": "E10A", "start_time": "15:19:36
05&#8209;10&#8209;2018", "end_time": "15:19:36
05&#8209;10&#8209;2018", "duration": "0:00:00", "input": "Input 2"}]

```

Example curl request

```
curl 'https://www.trackmyride.com.au/app/v2/php/report_inputs.php'
--data 'reportDateFrom=06-09-2018&reportDateTo=06-10-
2018&vehicle=*&api_key=GF83FDSa72hds82jfFD82js123j3284mw8223&user_
key=gtr873ns2eDSf111&options=false'
```

Utilisation

The Utilisation report inspects the duration of events generated by your vehicles and classifies them based on whether or not they meet your benchmark duration criteria.

This can be very useful for monitoring events such as for example, a tow truck's tilt tray operating time (via an input) or engine on/off times for machinery. If you need to ensure your drivers meet a certain benchmark simply set your report's options and you can see how frequently your drivers are hitting the mark!

Endpoint	Return format
https://app.trackmyride.com.au/v2/php/report_utilisation.php	JSON

Variables

Variables can be submitted to the endpoint URL either via GET or POST requests.

Variable	Description	Required?	Example
reportDateFrom	dd-mm-yyyy hh:mm format date for the report data range to start at	yes	06-09-2018 00:00
reportDateTo	dd-mm-yyyy hh:mm format date for the report data range to finish at	yes	06-10-2018 23:59
vehicle	* for all vehicles, or vehicle's unique ID key for a single vehicle	yes	*
options[group]	Group the records by vehicle or driver. 0 = group by vehicle 1 = group by driver	yes	0
options[event]	The input event that the utilisation will check the duration of. 0 = engine on/off duration 1 = ignition input duration 2 = input 1 duration 3 = input 2 duration 4 = input 3 duration	yes	0
options[benchmark]	How many seconds of duration is your	yes	300

	benchmark requirement?		
options[goal]	Is your goal to exceed the benchmark or be below the benchmark? 0 = Exceed the benchmark 1 = Below the benchmark	yes	0
options[target]	Your target goal for your benchmark. How many times per day should the target goal be?	yes	1
options[day_sun]	Include Sunday in the utilisation goal target count? This is used to modify the total utilisation % this vehicle and your other vehicles achieved.	yes	true
options[day_mon]	Include Monday in the utilisation goal target count? This is used to modify the total utilisation % this vehicle and your other vehicles achieved.	yes	true
options[day_tue]	Include Tuesday in the utilisation goal target count? This is used to modify the total utilisation % this vehicle and your other vehicles achieved.	yes	true
options[day_wed]	Include Wednesday in the utilisation goal target count? This is used to modify the total utilisation % this vehicle and your other vehicles achieved.	yes	true
options[day_thu]	Include Thursday in the utilisation goal target count? This is used to modify the total utilisation % this vehicle and your other vehicles achieved.	yes	true
options[day_fri]	Include Friday in the utilisation goal target count? This is used to modify the total utilisation % this vehicle and your other vehicles achieved.	yes	true
options[day_sat]	Include Saturday in the utilisation goal target count? This is used to modify the total utilisation % this vehicle and your other vehicles achieved.	yes	true
export_type	[csv,pdf,xls] to export the report dataset as a downloadable file	no	csv

Returned data

Condition	Result
If <code>export_type</code> is set and matches any of csv, xls,	<code>{"success":1,"filename":"https://\app.trackmyride.com.au/v2/php/report_output\"</code>

pdf	Utilisation_2018-11-30_0000_to_2018-11-30_235900.2e6b77.xlsx", "notice": null}
Regular response	<pre> {"primary_data": [{"options": {"style": {"backgroundColor": "rgb(199, 255, 206)"}}, "value": {"unique_id": "7198bf67b5fd", "name": "TMR Blue", "driver": "Keyfob 4A000001BC738901", "rego_num": "1KA 2PG", "start_time": "09:07:02 30&#8209;11&#8209;2018", "start_time_epoch": 1543568822, "end_time": "09:16:57 30&#8209;11&#8209;2018", "duration": "0:09:55", "duration_s": 595, "address_start": "{ \"lat\": -37.56969, \"lng\": 144.72473, \"address\": \"15 Higgins Ave, Sunbury, VIC\" }", "address_start_addr": "15 Higgins Ave, Sunbury, VIC", "address_end": "{ \"lat\": -37.5859, \"lng\": 144.72055, \"address\": \"110 Horne St, Sunbury VIC\" }", "address_end_addr": "110 Horne St, Sunbury VIC", "benchmark": 1}}, {"options": {"style": {"backgroundColor": "#ffb0b0"}}, "value": {"unique_id": "7198bf67b5fd", "name": "TMR Blue", "driver": "Keyfob 4A000001BC738901", "rego_num": "1KA 2PG", "start_time": "09:17:40 30&#8209;11&#8209;2018", "start_time_epoch": 1543569460, "end_time": "09:19:00 30&#8209;11&#8209;2018", "duration": "0:01:20", "duration_s": 80, "address_start": "{ \"lat\": -37.58642, \"lng\": 144.72032, \"address\": \"23-29 Vineyard Rd, Sunbury, VIC\" }", "address_start_addr": "23-29 Vineyard Rd, Sunbury, VIC", "address_end": "{ \"lat\": -37.58696, \"lng\": 144.71997, \"address\": \"9-11 Sussex Ct, Sunbury, VIC\" }", "address_end_addr": "9-11 Sussex Ct, Sunbury, VIC", "benchmark": 0}}, {"options": {"style": {"backgroundColor": "rgb(199, 255, 206)"}}, "value": {"unique_id": "7198bf67b5fd", "name": "TMR Blue", "driver": "Keyfob 4A000001BC738901", "rego_num": "1KA 2PG", "start_time": "12:31:02 30&#8209;11&#8209;2018", "start_time_epoch": 1543581062, "end_time": "12:38:17 30&#8209;11&#8209;2018", "duration": "0:07:15", "duration_s": 435, "address_start": "{ \"lat\": -37.5868, \"lng\": 144.71985, \"address\": \"9-11 Sussex Ct, Sunbury, VIC\" }", "address_start_addr": "9-11 Sussex Ct, Sunbury, VIC", "address_end": "{ \"lat\": -37.58125, \"lng\": 144.72995, \"address\": \"76A Oshanassy St, Sunbury VIC\" }", "address_end_addr": "76A Oshanassy St, Sunbury VIC", "benchmark": 1}}, {"options": {"style": {"backgroundColor": "#ffb0b0"}}, "value": {"unique_id": "7198bf67b5fd", "name": "TMR Blue", "driver": "Keyfob 4A000001BC738901 </pre>

<pre> ", "rego_num": "1KA 2PG", "start_time": "13:52:37 30&#8209;11&#8209;2018", "start_time_epoch": 1543585 957, "end_time": "13:55:09 30&#8209;11&#8209;2018", "duration": "0:02:32", "dura tion_s": 152, "address_start": "{ \"lat\": - 37.58125, \"lng\": 144.72995, \"address\": \"76A Oshanassy St, Sunbury VIC\" }", "address_start_addr": "76A Oshanassy St, Sunbury VIC", "address_end": "{ \"lat\": - 37.58113, \"lng\": 144.72829, \"address\": \"103 Evans St, Sunbury VIC\" }", "address_end_addr": "103 Evans St, Sunbury VIC", "benchmark": 0}}, {"options": { \"style\": { \"backgroundColor\": \"rgb(199, 255, 206)\" }}, \"value\": { \"unique_id\": \"7198bf67b5fd\", \"name\": \"TMR Blue\", \"driver\": \"Keyfob 4A000001BC738901 \", \"rego_num\": \"1KA 2PG\", \"start_time\": \"13:56:13 30&#8209;11&#8209;2018\", \"start_time_epoch\": 1543586 173, \"end_time\": \"14:01:34 30&#8209;11&#8209;2018\", \"duration\": \"0:05:21\", \"dura tion_s\": 321, \"address_start\": \"{ \"lat\": - 37.58113, \"lng\": 144.72833, \"address\": \"103 Evans St, Sunbury VIC\" }\", \"address_start_addr\": \"103 Evans St, Sunbury VIC\", \"address_end\": \"{ \"lat\": - 37.58701, \"lng\": 144.72, \"address\": \"9-11 Sussex Ct, Sunbury, VIC\" }\", \"address_end_addr\": \"9-11 Sussex Ct, Sunbury, VIC\", \"benchmark\": 1}}], \"aux_data\": { \"labels\": [\"TMR Blue\"], \"data\": [317], \"data_utilisation_percent\": [100], \"data_utilisation_percent_fleet\": [100, 0], \"colours\": [\"#32CD32\"], \"benchmark\": \"300\" } } </pre>

Example curl request

```

curl
'https://app.trackmyride.com.au/v2/php/report_utilisation.php' --
data 'reportDateFrom=30-11-2018+00%3A00&reportDateTo=30-11-
2018+23%3A59&vehicle=*&api_key=GF83FDSa72hds82jffD82js123j3284mw82
23&user_key=gtr873ns2eDSf111&options%5Bgroup%5D=0&options%5Bevent
%5D=0&options%5Bbenchmark%5D=300&options%5Bgoal%5D=0&options
%5Btarget%5D=1&options%5Bday_sun%5D=true&options%5Bday_mon
%5D=true&options%5Bday_tue%5D=true&options%5Bday_wed
%5D=true&options%5Bday_thu%5D=true&options%5Bday_fri
%5D=true&options%5Bday_sat%5D=true'

```