API Documentation v3.0

GPS VTS API Documentation

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Summary

This documentation is about the open API for the platform Vehicle Tracking System. Any qualified third party applications or websites may utilize this API to empower the business.

This API is based on REST standards, and is compatible with all kinds of programming languages. Many of the fields are self explanatory.

Security

For server side programming API key is not mandatory. IP Listing can be done from GPS provider side. For client side programming API Key is mandatory.

Open API Usage scenarios:

1. The API is used to extend GPS functionalities of the underlying dealers' own systems.
2. Accounts of dealers' own systems should be mapped to the assets (IMEIs) of our vehicle-tracking platform.
3. Dealers' application servers issue API requests to get GPS data.

Usage Workflow

Dealer provides account and password on the vehicle-tracking platform to acquire API Key.Dealer then uses the token on their server to access Open API for needed data.

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API Summary

Common Parameters:

Name	Type	Mandatory	Desc
apiKey	string	yes	An apiKey, used to indicate whether the invoker is authorized. Reference to 4.1 for acquiring the token.The apiKey should only be used within your server side code, otherwise it will not work.
userId	string	yes	The userId which is the one you used to acquire api key.
time	number	yes	UNIX timestamp, in seconds. Generally the time when the request is invoked.

Parameter Encoding

The encoding of request and response is utf-8, all parameters in url should be URIEncoded.

HTTP MIME Type: JSON
Content-type: text/html; charset=utf-8

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API Listing

Acquire apiKey:

Note: For testing phase this is not required.

Description: Acquire apiKey

.

URL: http://<domain-name>/apiMobile/getApiKey
HTTP Method: GET

Input Parameters:

Name	Type	Desc
userId	String	Accout of user
Time	Long	Unix time stamp in Milliseconds
Signature	String	Encrypted signature; algorithm: md5(md5(userId+Password) + Time)
validDays	String	As a nunber like 4, and it would be valid for 4 days

URL Example:

http://<domain-name>/apiMobile/getApiKey?userId=**DEMO**&time=**EpochTime**
&signature=83accefcd58239d8283da1b0bca78abc&validDays=**4**

Response:

Name	Type	Desc
Status	String	Status Success: •validity:"4", •apiKey:"0978cd8e33032999711f63311af0d871" Failure: •status: "faiure", •error: "invalid user name"/"invalid signature"
reason	String	If status is zero, here the reason
apiKey	String	For authorization
expires_in	number	Expiration of apiKey, in seconds

Note:
(1) apiKey should be used within server side code only, otherwise it will not work.
(2) If a return code is **NULL**, it means the apiKey has been expired and should

be reacquired.

Get Live Locations

Goal:Get the newest GPS data of all vehicles of a specified account.

URL： http://<domain_name>/getVehicleLocations **OR** getVehicleDetails4TVS

NOTE: getVehicleLocations will return JSON data while **getVehicleDetails4TVS** will give XML data only with the same process as on vehicle location.

HTTP Method: GET

Input Parameters： userId, userLocation, group, apiKey, macid, appid , imei, apiKey, language.

Common Parameters

Refer to Common Parameters

Specific Parameters

Name	Type	Required	Default Value	Desc
userId	string	yes	-	Group Id of the user for which vehicles are allotted.

URL Example：

http://<domain_name>/mobile/getVehicleLocations?apiKey=ndwlraqfxujojrmktvzg&userId=DEMO&groupId=DEMO

Response:

Field	Type	Description
rowId	String	Row Count
group	String	Group Name for which vehicles are grouped under.
zoomLevel	String	Map zoom level
latitude	String	GPS Latitude
longtitude	String	GPS Longitude

distance	String	Total Distance coverd for all vehicles
totalVehicles	String	Total vehicles available in the group
online	String	Number of vehicle online
alerts	String	For future use
attentions	String	For future use
topSpeed	Number	Top speed of all vehicles
topSpeedVehicleId	String	Top speed vehicle Id
totalMovingVehicles	String	Total moving vehicles count
totalIdleVehicles	String	Total Idle vehicles count
totalParkedVehicles	String	Total parked vehicles count
totalNoDataVehicles	String	Total no data vehicles count
allowBooking	String	For future use
allowedVehicles	String	For future use
supportDetails	String	Support details
vehicleLocations	Array	Array of vehicle locations
rowId	Integer	Record count
latitude	String	GPS latitude
longitude	String	GPS Longitude
speed	Integer	Current speed of the vehicle
date	String	Current date and time (UTC)
alert	String	Type of alert
direction	String	Course of vehicle (North, South, East , West, NE,NW,SE,SW)
position	String	Moving, Parked, Static (Idle), NoData
distanceCovered	double	Distance travelled today
odoDistance	double	Vehicle odo meter reading
tankSize	Integer	Fuel Tank Size
status	String	GPS Status (ON or oFF)
color	String	Internal use
lastSeen	String	GPS Last Communicated time
ignitionStatus	String	ACC Status (ON or OFF)

insideGeoFence	String	Is vehicle inside Geo fence (yes or no)
isOverSpeed	String	Yes or No
address	String	Address for the current lat and lng
parkedTime	Integer	Parked time (shown when only vehicle is parked)
movingTime	Integer	Moving time (shown when only vehicle is moving)
idleTime	Integer	Idle time (shown when only vehicle is idle)
noDataTime	Integer	No data time (shown when only vehicle is not communicating)
alertDataTime	String	Alert time (shown when last alert received)
loadTruk	String	Load of the truck received via load sensor
loadTrailer	String	Load of the trailer received via load sensor
totalTruck	String	For future use
totalTrailer	String	For future use
vehicleBusy	String	For future use
fuelLitre	String	Current fuel level in litre
oprName	String	For future use
regNo	String	Vehicle Registration Number
vehicleType	String	Type of vehicle (Truck, Bus, Car)
vehicleId	String	Asset ID. This is very importat.
mobileNo	String	Mobile Number configured (typically drivers mobie Number)
customMarker	String	For future use
deviceModel	String	Model of the device like GT06N etc
shortName	String	Vehicle Name
orgId	String	Organization Name
overSpeedLimit	String	Over Speed Limit
driverName	String	Name of the driver
live	String	For future use

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Get History

Get the history of specific vehicle for the given date and time range. This API should be fired after firing getVehicleLocations API. Because the first API has the mapping between vehicleName and vehicleId. For this API vehicleID is the input.

URL:

http://<domain_name>/getVehicleHistory?userId=DEMO&vehicleId=SBLT-TN21-AT-0234&fromDate=2016-04-21&fromTime=00:00:00&toDate=2016-04-23&toTime=11:47:00

HTTP Method: GET

Input Parameters: userId, interval, fromDate, toDate, fromTime, toTime, vehicleId.

Common Parameters

Refer to Common Parameters

Specific Parameters

Name	Type	Required	Default Value	Desc
userId	String	yes	-	For particular User, UserId required
vehicleId	String	yes	-	Vehicle Id (retrieved by getVehicleId API)
fromData	String	yes	yyyy-mm-dd	Start date
fromTime	String	yes	HH:mm:ss	Start time (24 hours time format)
toDate	String	yes	yyyy-mm-dd	End Date
toTime	String	yes	HH:mm:ss	End time (24 hours time format)

Url Example:

http://<domain_name>/getVehicleHistory?userId=SBLT&groupId=SBLT&vehicleId=SBLT-TN21-AT-0234&fromDate=2016-04-21&fromTime=00:00:00&toDate=2016-04-23&toTime=23:47:00

Response:

Field	Type	Description
deviceId	String	For future use
vehicleId	String	Asset ID
shortName	String	Vehicle Name
altShortName	String	For future use
altShortTime	String	For future use
regNo	String	Vehicle Registration Number
vehicleMake	String	Make of the vehicle
vehicleType	String	Type of the vehicle (Bus, Truck, Car)
opr	String	For future use
mobileNo	String	Mobile Number
overSpeedLimit	Number	Over Soeed Limit
odoDistance	String	Odometer reading
deviceModel	String	Model of the device (GT06N, TK06 etc)
driverName	String	Name of the driver
sendGeoFenceSMS	String	For future use
gpsSimNo	String	Internal use
morningTripStartTime	String	For future use
eveningTripStartTime	String	For future use
portNo	String	For future use
vehicleLocations	Array	For future use
rowId	Integer	Record number
latitude	String	GPS Latitude
longitude	String	GPS Longtitude
speed	Integer	Current speed of the vehicle
date	String	Current date and time (UTC)
alert	String	Type of alert received
direction	String	Course of Vehicle (North, South, East, West, NE,SE,NW,SW)
position	String	Position (Moving, Parked, Static (Idle), No Data Time)

distanceCovered	double	Today distance travelled
odoDistance	double	Odo meter reading
tankSize	Integer	Full tank level
status	String	GPS sratus (ON or OFF)
color	String	For future use
lastSeen	String	GPS Last communicate date and time (UTC)
ignitionStatus	String	ACC status (ON or OFF)
insideGeoFence	String	Is vehicle inside Geo fence site (yes or no)
isOverSpeed	String	Yes or No
address	String	Address for the lat and lng.
parkedTime	Integer	Parked time (shown when only vehicle is parked)
movingTime	Integer	Moving time (shown when only vehicle is moving)
idleTime	Integer	Idle time (shown when only vehicle is idle)
noDataTime	Integer	No data time (shown when only vehicle is not communicating)
alertDataTime	String	Alert time (shown when last alert received)
loadTrusk	String	Load of the truck received via load sensor
loadTrailer	String	Load of the trailer received via load sensor
totalTruck	String	For future use
totalTrailer	String	For future use
vehicleBusy	String	For future use
fuelLitre	String	Current fuel level in litre
totalParkedTime	String	Total parked time for entire trip
tripDistance	String	Total distance for entire trip
tmpDistance	String	For internal use
ignitionOnTime	String	Total ignition on time

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Get History for mobile

Goal: This API tuned for mobile use. History for specific vehicle Id for the given date and time range.

URL: http://<domain-name>/getVehicleHistory4MobileV2?

HTTP Method：GET

Input Parameters：userId, interval, fromDate, toDate, fromTime, toTime,vehicleId, apiKey.

Common Parameters

Refer to Common Parameters

Specific Parameters

Name	Type	Required	Default Value	Desc
vehicleId	string	yes	--	Vehicle Id (retrieved by getVehicleId API)
fromData	string	yes	yyyy-mm-dd	Start date
fromTime	string	yes	HH:mm:ss	Start time (24 hours time format)
toDate	string	yes	yyyy-mm-dd	End Date
toTime	string	yes	HH:mm:ss	End time (24 hours time format)

URL Example:
http://<domain-name>/getVehicleHistory4MobileV2?userId=XYZ&vehicleId=TN1234&interval=5&fromDate=2011-08-21&fromTime=10:56:24.389362&toDate=2011-12-25&toTime=10:56:24.389362

Response:

Field	Type	Description
deviceId	String	For future use
vehicleId	String	Asset ID
shortName	String	Vehicle Name
altShortName	String	For future use
altShortTime	String	For future use
regNo	String	Vehicle Registration Number
vehicleMake	String	Make of the vehicle
vehicleType	String	Type of the vehicle (Bus, Truck, Car)
opr	String	For future use
mobileNo	String	Mobile Number
overSpeedLimit	Number	Over Soeed Limit
odoDistance	String	Odometer reading
deviceModel	String	Model of the device (GT06N, TK06 etc)
driverName	String	Name of the driver
fcode	String	Franchise Name
email	-	-
sendGeoFenceSMS	String	For future use
gpsSimNo	String	Internal use
morningTripStartTime	String	For future use
eveningTripStartTime	String	For future use
portNo	String	For future use
ipAddress	-	For future use
routeNo	-	For future use
orgId	-	For future use
parkingAlert	-	For future use
date	-	For future use

paymentType	-	For future use
expiredPeriod	-	For future use
fuel	-	For future use
fuelType	-	For future use
analog1	-	For future use
analog2	-	For future use
digital1	-	For future use
digital2	-	For future use
serial1	-	For future use
serial2	-	For future use
digitalout	-	For future use
isRfid	-	For future use
rfidType	-	For future use
mintemp	-	For future use
maxtemp	-	For future use
vehicleLocations	-	For future use
history4Mobile	Array	-
lt	String	GPS Latitude
lg	String	GPS Longitude
sp	Integer	Current speed of the vehicle
dt	String	Current date and time (UTC)
dr	String	Course of Vehicle (North, South, East, West, NE,SE,NW,SW)
ps	String	Position (Moving, Parked, Static (Idle), No Data Time)
dc	String	Distance covered
pt	long	Parked time
gfTrip	-	For future use

Field	Type	Description
zoomLevel	-	
totalIdleTime	long	Idle time
totalRunningTime	Number	Running Time
totalParkedTime	Number	Parked time
totalNoDataTime	Number	data not recieved
totalRows	Number	-
tripDistance	float	Trip distance in KM
overSpeedInstances	Number	Number of time Overspeeed driving
topSpeed	Number	What was the top speed
parkingCount	Number	total number of parking count
topSpeedGeoLocation	-	-
topSpeedTimeUTC	Number	time at top speed IN UTC
fromDateTimeUTC	Echo Time	date & time for report
toDateTimeUTC	Echo Time	date & time for report
topSpeedTime	-	time at top speed
fromDateTime	DayDateTime	IST time
toDateTime	DayDateTime	IST time
error	-	-
openingOdoReading	long	Starting odo reading
totalFuelFill	Number	total fuel fill
totalFuelConsume	Number	total fuel consume
closingOdoReading	float	last odo reading/after stop
own	Type of user	who is owner/franchise

Get Selected Vehicle for Tracking (Single Vehicle)

This API is to track single vehicle. This API should be fired after firing getVehicleLocations API. Because the getVehicleLocations API has the mapping between vehicleName and vehicleId. For this (getSelectedVehicleLocation)API vehicleID is the key input.

URL：http://domain_name/getSelectedVehicleLocation

HTTP Method：GET

Input Parameters:userId, vehicleId.

Common Parameters

Refer to common parameters

Specific Parameters

Name	Type	Required	Default Value	Desc
userId	String	yes	-	userId
vehicleId	String	yes	-	Vehicle Id
group	String	yes	-	groupId

Url Example:
http://domain_name/getSelectedVehicleLocation?vehicleId=meena1001&userId=prasannak&group=prasannak

Response:

Field	Type	Description
rowId	Integer	Record count
latitude	String	GPS latitude
longitude	String	GPS Longitude
speed	Integer	Current speed of the vehicle
date	String	Current date and time (UTC)

alert	String	Type of alert
direction	String	Course of vehicle (North, South, East , West, NE,NW,SE,SW)
position	String	Moving, Parked, Static (Idle), NoData
distanceCovered	double	Distance travelled today
odoDistance	double	Vehicle odo meter reading
tankSize	Integer	Fuel Tank Size
status	String	GPS Status (ON or oFF)
color	String	Internal use
lastSeen	String	GPS Last Communicated time
ignitionStatus	String	ACC Status (ON or OFF)
insideGeoFence	String	Is vehicle inside Geo fence (yes or no)
isOverSpeed	String	Yes or No
address	String	Address for the current lat and lng
parkedTime	Integer	Parked time (shown when only vehicle is parked)
movingTime	Integer	Moving time (shown when only vehicle is moving)
idleTime	Integer	Idle time (shown when only vehicle is idle)
noDataTime	Integer	No data time (shown when only vehicle is not communicating)
alertDataTime	String	Alert time (shown when last alert received)
loadTruk	String	Load of the truck received via load sensor
loadTrailer	String	Load of the trailer received via load sensor
totalTruck	String	For future use
totalTrailer	String	For future use
vehicleBusy	String	For future use
fuelLitre	String	Current fuel level in litre
temperature	-	Future work
powerStatus	-	Future work
vehicleMake	-	Future work

oprName	String	For future use
regNo	String	Vehicle Registration Number
vehicleType	String	Type of vehicle (Truck, Bus, Car)
vehicleId	String	Asset ID. This is very importat.
mobileNo	String	Mobile Number configured (typically drivers mobie Number)
customMarker	String	For future use
deviceModel	String	Model of the device like GT06N etc
shortName	String	Vehicle Name
orgId	String	Organization Name
overSpeedLimit	String	Over Speed Limit
driverName	String	Name of the driver
live	String	For future use
fuel	long	
deviceId	Number	Device ID

KMs Summary - For Group of Vehicles

This API used to get KMs summary for day, yesterday week and month

URL: http://<domain_name>/ mobile/getKmsSummary

HTTP Method：GET

Input Parameters：

Common Parameters

Refer to Common Parameters

Specific Parameters

No Specific parameters

Url Example:

http://<domain_name>/getKmsSummary?userId=XYZ&groupId=XYZ:SMP

Response:

Field	Type	Description
rowId	Integer	Record count
date	String	Current date and time (UTC)
vehicleId	String	vehicleId
shortName	String	Vehicle Name
fcode	String	Franchise Code
topSpeed	Number	Maximum Speed vehicle has travelled
overSpeedInstances	Number	Number of times the vehicle has over sped
distanceMonth	Number	Total distance travelled in past 30 or 31 days
distanceYest	Number	Distance travelled yesterday
distanceWeek	Number	Distance travelled Week
odoOpeningReading	Number	For Future use
odoClosingReading	Number	For future use
distanceToday	Number	Distance travelled today (as of current time)

parkingCount		Number of Parking done
topSpeedGeoLocation	String	For future use
address	String	For future use
topSpeedTime	Number	For future use
totalParkedTime	Number	Total time vehicle has parked – in milli seconds
totalRunningTime	Number	Total time vehicle has moved – in milli seconds
totalIdleTime	Integer	Total time vehicle has idled – in milli seconds
totalNoDataTime	Integer	Total time vehicle hasn't received any data– in milli seconds
totalFuelFill	Integer	For future use
totalFuelConsume	Integer	For future use

KMs summary – For selected Vehicle (multiple dates)

This API used to get KMs summary for day, yesterday week and month for multiple vehicles.

URL: http://<domain_name>/getExecutiveReport

HTTP Method： GET

Input Parameters：

Common Parameters

Refer to Common Parameters

Specific Parameters

Name	Type	Required	Default Value	Desc
UserId	string	yes	-	Vehicle Id (retrieved by getVehicleId API)
groupId	String	yes	-	Group Id can be find by S_Groups_Dealer_User_Fcode
fromData	String	yes	-	Date format : yyyy-mm-dd
toDate	String	yes	-	Date format : yyyy-mm-dd

Url Example:
http://<domain-name>/getExecutiveReport?userId=XYZ&groupId=XYZ:Fcode&fromDate=2016-08-21&toDate=2016-09-10

Response:

Field	Type	Description
rowId	Integer	Record count
date	String	Current date and time (UTC)
vehicleId	String	vehicleId
shortName	String	Vehicle Name
fcode	String	Franchise Code
topSpeed	Number	Maximum Speed vehicle has travelled
overSpeedInstances	Number	Number of times the vehicle has over sped
distanceMonth	Number	Total distance travelled in past 30 or 31 days
distanceYest	Number	Distance travelled yesterday
distanceWeek	Number	Distance travelled Week
odoOpeningReading	Number	OdoMeter reading Starting
odoClosingReading	Number	OdoMeter reading Ending
distanceToday	Number	Distance travelled today (as of current time)
parkingCount	Number	total number of parking count
topSpeedGeoLocation	String	Lat and Lng of the location where the vehicle top speed
address	String	For future use
topSpeedTime	Number	Date and time when the vehicle top sped
totalParkedTime	Number	Total time vehicle has parked – in milli seconds
totalRunningTime	Number	Total time vehicle has moved – in milli seconds
totalIdleTime	Integer	Total time vehicle has idled – in milli seconds
totalNoDataTime	Integer	Total time vehicle hasn't received any data– in milli seconds
totalFuelFill	Integer	For future use

totalFuelConsume	Integer	For future use

View Sites

Usage of this API is get the sites (geo fence) configured for each company/org.

Http Method: Get
Input Parameters:userId,fcode.

Common Parameters

Refer to Common Parameters

Specific Parameters

Name	Type	Required	Default Value	Desc
fcode	string	yes	-	Franchise Code
userId	String	yes	-	User ID

URL Example:

http://<domain_name>/viewSite?fcode=SMP&userId=MSS

Response:

Field	Type	Description
siteParent	Array	Array of Sites
orgId	String	Organisation name
site	Array	Contains all sites in array
siteName	String	Name of Site
siteType	String	Site type(e.g: Client Site OR Restricted Site)
userId	String	User ID
latLng	double	latitude and Longitude of Site
orgId	String	Organisation Id that User comes under
location	Array	Site location
orgIds	String	Organisation name

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Event report

Usage of this API is to get report on location,site, over speed, stoppage, parking time, idle time, no data time, speed

URL: http://<domain_name>/getActionReport

HTTP Method: GET

Input Parameters: VehicleId,UserID,Interval,fromDate,toDate,Stoppage.

Specific Parameters

Name	Type	Required	Default Value	Desc
vehicleId	String	yes	-	Vehicle (Asset) ID
userId	String	yes	-	User ID
fromDate	String	Yes	-	yyyy-mm-dd
toDate	**String**	**Yes**	**-**	**yyyy-mm-dd**
fromTime	String	Yes	00:00:00	HH:mm:ss (24 hours format)
toTime	String	Yes	23:59:59	HH:mm:ss (24 hours format)
stoppage	String	No	false	true or false
stopMints	Number	No	10	Minutes vehicle stopped. Sample 10 or 20
Idle	String	No	false	true or false
idleMints	Number	No	10	Minutes vehicle idle. Sample 10 or 20
notReachable	String	No	false	true or false
notReachableMints	Number	No	10	Minutes vehicle not reachable. Sample 10 or 20
overSpeed	String	No	false	true or false
Speed	Number	No	60	Minimum speed –

				Example: 60
location	String	No	false	true or false
site	String	No	false	true or false

URL Example:
http://<domaion-name>/getActionReport?vehicleId=TN1234&userId=XYZ&interval=50&fromDate=2016-08-21&toDate=2016-08-22&stoppage=true

NOTE: Here difference between date would not be greater than 3.

Response:

Field	Type	Description
startTime	String	Date and Time – UTC time stamp
duration	String	Duration in milli seconds
state	Number	Vehicle status – Parked, Idle, overspeed, LocationEntry,LocationExit,SiteEntry,SiteExit,
latitude	String	Latitude of the vehicle
longitude	String	Longitude of the vehicle
address	String	Address of the vehicle
fuelConsume	Number	Total fuel consumed during the journey
tempFuelLitre		Internal use
fuelFrom		Internal use
fuelTo		Internal use

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Vehicle location for major clients

This Api is same as Vehicle Services for getting vehicle info but for major clients like TVS.

URL: http://<domain_name>/getVehicleDataForTrustedClients
HTTP Method：GET

Input Parameters：VehicleId,UserID,groupId.

Specific Parameters

Name	Type	Required	Default Value
VehicleId	String	yes	
UserID	String	yes	demouser1
GroupId	String	yes	-1

URL example:

http://<domain-name/getVehicleDataForTrustedClients?userId=XYZ&vehicleId=XYZ1234&group=groupID

Response

Field	Type	Descriptoin
rowId	Number	Number of row for a vehicle's result
latitude	double	latitude of vehicle
longitude	double	longitude of vehicle
speed	int	Number of times which more than avg. speed
date	Date	Echo date for vehicle
alert	String	alert subscribed or not(Y/N)
direction	direction	Vehicle direction(N,S,E,W)
position	String	Last position of vehicle
distanceCovered	double	Total distance covered
odoDistance	double	Odo meter of last reading
tankSize	double	Fuel tank size
deviceVolt	double	voltage capacity in volt
status	String	device status(OFF/ON)
color	String	

lastSeen	String	Last seen date & time as String
ignitionStatus	String	Vehicle ignition status(OFF/ON)
insideGeoFence	String	For geo view(default=NO)
isOverSpeed	String	Vehicle crossed over speed limit or not(default=NO)
address	String	Last address of vehicle
parkedTime	long	Timing of parking
movingTime	long	Total time of running
idleTime	long	Total time of idle
noDataTime	long	No data at particular time
alertDateTime	String	-
loadTruck	String	Load info if it would be a truck
loadTrailer	String	Load info if it would be a trailer
totalTruck	String	Total number of truck
totalTrailer	String	Total number of trailer
vehicleBusy	String	vehicle busy or not(default=NO)
fuelLitre	double	remaining fuel(default=0.0)
temperature	double	teperature of fuel(default=0.0)
powerStatus	String	Vehicle power info
oprName	String	SIM operator name
regNo	String	Vehicle reg no.
vehicleType	String	Type of vehicle
vehicleId	String	Vehicle Id(AssetId)
mobileNo	String	Mobile number of User
customMarker	String	-
deviceModel	String	Model type of device
shortName	String	Short name of vehicle
orgId	String	
overSpeedLimit		
driverName	String	Vehicle's driver Name
live	String	Live vehicle data(YES/NO)
fuel	String	-
deviceId	double	GPS device ID

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Add a site

This api is used for adding a site by providing latitude and longitude with POI.

URL: http://<domain_name>/addSite
HTTP Method：GET

Input Parameters：VehicleId,UserID,groupId.
Specific Parameters

Name	Type	required	default Value
UserId	String	yes	demoUser1
OrgId	String	yes	-
siteName	String	yes	-
siteAddress	String	yes	-

URL example:
http://<domain-name>>/addSite?userId=XYZ&orgId=ABC&siteName=CbcaHAN&siteAddress=52.94957,87.52296:72.94957,97.52296:42.94957,67.52296.

Response: "Success" message if site is added successfuly, otherwise failure message by saying "please send correct data".

Save site

To save a multiple site with multiple lat & long, this Key is used but without POI.

URL: http://<domain_name>/saveSite
HTTP Method：GET

Input Parameters：focde, orgId, latLng
Specific Parameters

Name	Type	Required	Defailt	Desc
fcode	String	Yes	-	franchise code
orgId	String	Yes	-	Org code
latLng	String	No	latLng	Latitude & Longitude
siteName	String	Yes	-	Name of site
siteType	String	Yes	-	Site Type(e.g: home)

URL example:
http://<domain-name>/saveSite?latLng=52.94957,87.52296:72.94957,97.52296:42.94957,67.52296&orgId=ABC&fcode=XYZ&siteName=CbcaHAN&siteType=Home%20

Site.

Response:

1. Succes message if Lat & long and site name are not exist before.
2. Failure message if lat & long is not on correct format.
3. Site already present if lat & long or site name are already present .

Delete Site

This API is used for delete a site,if site is present,otherwise it will give an error message.

URL: http://<domain_name>/deleteSite

HTTP Method：GET

Input Parameters：focde, orgId,userId,siteName

Specific Parameters

Name	Type	Required	Default
orgId	String	yes	-
fcode	String	yes	-
userId	String	No	-
siteName	String	yes	-

URL example:

http://<domain-name>/deleteSite?latLng=52.94957,87.52296:72.94957,97.52296:42.94957,67.52296&orgId=ABC&fcode=XYZ&siteName=CbcaHAN&siteType=Home%20Site.

Response:

1. Success.
2. Failure.

viewSingleSite

This Api is used to view one site by user.

NOTE:The difference between viewSite and viewSingleSite is in viewSite user can see multiple sites while in viewSingleSite only one site can be see by user.

URL: http://<domain_name>/viewSingleSite

HTTP Method：GET

Input Parameters：focde,userId,siteName

Specific Parameters

Name	Type	Requred	Default
orgId	String	yes	-
fcode	String	yes	-
userId	String	No	-
siteName	String	yes	-

URL example:
http://<domain-name>/viewSingleSite?orgId=XYZ&fcode=ABC&siteName=CbcaHAN.

Response:

Field	Type	Description
SiteName	String	Name of site
SiteType	String	Type of site(e.g: home)
UserId	String	User ID
latLng	String	Latitude and Longitude
OrgId	String	Organization Id

GPS VTS API Documentation

SMS subscription for school bus

This API is used for School bus solution to subscribe SMS.Mainly it will be used by children's parent in order to subscribe for a SMS to get the timing of bus route information.

URL: http://<domain_name>/getValueFromSmsProvider

HTTP Method：GET

Input Parameters：msisdn, sms, circle, opnm, datetime.

Specific Parameters

Name	Type	Required	Default Value
msisdn	String	yes	-
sms	String	yes	-
circle	String	yes	-
opnm	String	yes	-
datetime	String	yes	-

URL example:

http://<domain-name>/getValueFromSmsProvider?msisdn=9898978789&sms=VTS%20START,MSS,PY01D8616,4&circle=chennai&opnm=airtel&datetime=2011-12-22%2010:56:24.389362

Response:

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Store GCM ID

This API is used to store GCM ID while user logging in.

URL: http://<domain_name>/storeGcmId
HTTP Method：GET

Input Parameters：gcmId
Specific Parameters

Name	Type	Default value
gcmId	String	-

URL example:
http://localhost:9000/storeGcmId?gcmId=32dsfsf

Response code:
Success.

GPS VTS API Documentation

Lock features

This API is used to get and set notification for vehicle's door.If vehicle's door is open during running it will push a notification to the corresponding user.
They are of 2 types:

1. Lock: To get the notification and perform Lock action on vehicle's door.
2. Unlock:To get the notification and perform UnLock action on vehicle's door.

LOCK: To lock the vehicle like to stop vehicle under certain circumstances.

URL: http://<domain_name>/getLock
HTTP Method：GET

Input Parameters：vehicleId, userId.
Specific Parameters

Name	Type	Default
vehicleId	String	-
userId	String	-

URL example:
http://<domain-name>/getLock?vehicleId=XYZ-TN52-W-3938&userId=XYZ.

Response:

Field	Type	Description
mobileNo	String	User mobile number
smsText	String	RELAY,1# ,if it is supported by both device& vehicle
error	String	NULL, if device is compatible, otherwise "Not supported"

UnLock: Reverse of Lock API and response will also be same.

URL: http://<domain_name>/getUnLock.
HTTP Method：GET

Input Parameters：vehicleId, userId.
Specific Parameters

Name	Type	Default
vehicleId	String	-
userId	String	-

GPS VTS API Documentation

URL exmaple:
http://<domain-name>/getUnLock?vehicleId=XYZ-TN52-W-3938&userId=XYZ

Group vehicle details

This API can be used to get all vehicle with their VehicleId and vehicleName under a group.

URL: http://<domain_name>/getvehicleNameMap.
HTTP Method：GET

Input Parameters：groupName, fcode.
Specific Parameters

Name	Type	Required	Default
groupName	String	yes	-
fcode	String	yes	-

URL example:
http://<domain-name>/getvehicleNameMap?groupName=XYZ-BUS&fcode=XYZ.

Response:

Field	Type	Description
VehicleId	Hashmap	VehicleId under a group
VehicleName	Hashmap	VehicleName under a group

GPS VTS API Documentation

Fuel Report

This API can be used when any user wants to know what is the fuel consumption, fuel fill and fuel fill report at certain distance and at certain time.

Two support types are there:

1. **DistanceTimeFuelReport**: >Report is used for fuel consumption wrt time.
2. **FuelDropFillReport**: getFuelDropFillReport is used to get information when tank will be filled and when fuel theft.

URL: http://<domain_name>/getDistanceTimeFuelReport OR getFuelDropFillReport.

HTTP Method：GET

Input Parameters：vehicleId, userId, interval, fromDate, toDate.

Specific Parameters

Name	Type	Required	Default
vehicleId	String	yes	-
userId	String	yes	-
interval	Number	no	-
fromDate	Date	yes	-
toDate	Date	yes	-

URL example:

1. For DistanceTimeFuelReport:

http://localhost:9000/getDistanceTimeFuelReport?userId=XYZ&vehicleId=XYZ&fromDate=2016-08-21&toDate=2016-08-29.

2. For FuelDropFillReport:

http://localhost:9000/getDistanceTimeFuelReport?userId=XYZ&vehicleId=XYZ&fromDate=2016-08-21&toDate=2016-08-29.

Response: To be check again.

GPS VTS API Documentation

Load Report

This API can be used to get load history of particular vehicle

URL: http://<domain_name>/getLoadReport
HTTP Method：GET

Input Parameters：vehicleId, userId, interval, fromDate, toDate.
Specific Parameters

Name	Type	Required	Default
vehicleId	String	yes	-
userId	String	yes	-
interval	Number	no	-
fromDate	Date	yes	-
toDate	Date	yes	-

URL example:

http://localhost:9000/getLoadReport?userId=XYZ&vehicleId=XYZ&fromDate=2016-08-21&toDate=2016-08-29.

Response:

On Failure

	Date	Vehicle	Other
Failure	Dates are out of range or Invalid Date format	Invalid Vehicle	Zero records

On Success

Success	Parameters Name	Parameters Type	Parameters Default value
yes	Load	ArrayList<Load>	-

Here ArrayList<Load> is data structure as a **Load.**
Where Load is:

Name	Type	Default value
date	long	-
lat	double	-
lng	double	-
load	String	-
Address	String	-

Temperature Report

This Api can be used to get temperature history for a vehicle.

URL: http://<domain_name>/getTemperatureReport
HTTP Method：GET

Input Parameters：vehicleId, userId, interval, fromDate, toDate.
Specific Parameters

Name	Type	Required	Default
vehicleId	String	yes	-
userId	String	yes	-
interval	Number	no	-
fromDate	Date	yes	-
toDate	Date	yes	-

URL example:
http://localhost:9000/?userId=XYZ&vehicleId=XYZ&fromDate=2016-08-21&toDate=2016-08-29.

Response: Its same as on **LoadReport** response.