Honey Badger Service

v1.0.0

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Change Request Reference

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Document Summary

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Document Change History

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November 11, 2013	1.0.0	Initial Draft		J. Backof

Summary

Overview
This document will.

Sample Calls

here's the base url to get all of boston.

http://insight.cmtapi.com:8081/v1.1/availability?market=BOS&includeEntities=true

if you want just a summary, drop the includeEntities.

to get just a certain fleet in boston (Boston Cab). to search multiple fleets, just keep adding &fleet=x&fleet=x....

http://insight.cmtapi.com:8081/v1.1/availability?market=BOS&includeEntities=true&fleet=1020301

to get a particular medallion... again, medallion is a list, so add multiple medallion=323&medallion=563, etc...

http://insight.cmtapi.com:8081/v1.1/availability?market=BOS&includeEntities=true&medallion=1201

You can query by meter state, logon state and ehail state.

--All vehicles currently in trip
http://insight.cmtapi.com:8081/v1.1/availability?market=BOS&includeEntities=true&fleet=1020301&meterState=1

(@QueryParam("market") String market, @QueryParam("fleet") List<String> fleets, @QueryParam("zone") List<String> zones, @QueryParam("includeEntities") String includeEntities, @QueryParam("poly") List<String> polygon, @QueryParam("medallion") List<String> medallions, @QueryParam("meterState") String meterState,@QueryParam("logonState") String logonState, @QueryParam("ehailState") String ehailState)

Polygon

poly=43.4343,-73.33433&poly=43.322,-73.3564, etc.... to define the polygon. make sure you close the polygon and url encode all your key/value pairs.

State Payload Dictionary

Base Payload:

key	type	required	Desc
ky	string	yes	Key provided by cmt for access level security
da	int	no	Delta. If d=1, the previous badger will be used and replaced previous fields
dt	int	yes	Device Type (0=Unknown, 1=Taxi,2=Livery,3=Black Car,4=Mobile App,5=Driver App)
dn	string	yes	Device Name. Unique Device Name per key.
tm	long	yes	Epoch timestamp
lt	float	yes	the latitude of the vehicle (precision: 14, scale: 8)
lg	float	yes	the longitude of the vehicle (precision: 14, scale: 8)
cc	float	yes	the compass course of the vehicle with leading zeroes (precision: 5, scale: 2) in degrees 0.00-360.00
ve	float	yes	the velocity of the vehicle (precision: 4, scale: 2) in Speed over ground, Knots
ac	float	yes	Horizontal dilution of position (precision: 6, scale: 2)
al	float	yes	Altitude above sea level in meters
gv	int	yes	GPS Validity (0=Invalid/Unknown,1=Valid). Specifies if the gps device is operational
ec	float	no	ECIO (precision: 6, scale: 2)
rs	float	no	RSSI (precision: 6, scale: 2)
vt	float	no	the temperature of the in-vehicle equipment (precision: 4, scale: 2). In Celsius
cq	int	no	Carrier Signal Quality
db	int	no	Signal DBM
sr	int	no	Signal Rating
vl	int	no	Vehicle Type
mt	int	no	Modem Type
sq	long	no	Sequence Number – optional sequence field.

Optional Taxi/Livery Data Payload

key	type	required	Desc
md	string	yes*	Taxi Medallion (25 characters max. letters and numbers only)
ms	int	yes*	Meter State (0=for hire, 1=hired)
ls	int	yes*	Logon State (0=logged off,1=logged on)
es	int	yes*	Ehail State (0=not paired, 1=paired with RL, 2=pair with other)
dr	string	no	Driver ID.
fn	string	no	Fleet Name
fi	Int	No	Fleet ID
mk	string	no	CMT Market Segment (NYC, NYSHL, etc..)
sn	string	no	Shift Number (UUID – Unique reference for the driver shift)
tn	int	no	Trip Number
ax	int	no	Action code 0=Unknown/HealthCheck 1=Power Up 2=Login 3=Trip Start 4=Rate Change 5=Trip End 6=Logoff 7=Power Down
rt	int	no	Current Rate Class of the Meter
zv	int	no	Zone Violation Indicator (0=ok, 1=Livery Zone Violation, 2=Rate 4 Violation)
tt	int	no	Trip Total at time of message in cents
tf	int	no	Trip Fare in cents
tl	int	no	Tolls in cents
tp	int	no	Tips in cents
tx	int	no	Tax in cents
ts	int	no	Surcharge in cents
te	int	no	Extras in cents
to	int	no	Other fees in cents
sl	int	no	Time since last tripgv
dl	int	no	Distance since last trip
di	double	No	Trip Distance in Km
ti	int	no	Trip time in minutes
vi	String	no	Visually impaired Trip

pc	int	no	Passenger Count
pt	string	no	Payment Type
ps	int	no	Payment Status (0=approved, 1=declined)
pf	string	no	Last 4 of the payment card
pa	string	no	Auth Code of the payment
pi	long	no	Transaction ID of the payment
lu	long	no	Last Update Date/Time (epoch)
putm	double	no	Pickup datetime (epoch)
dotm	double	no	Dropoff datetime(epoch)
pult	double	no	Pickup Latitude
pulg	double	no	Pickup longitude
dolt	double	no	Drop off latitude
dolg	double	no	Dropoff longitude
wv	Boolean	No	Is Wheelchair Accessible

* required only when device type is Taxi or Livery

Optional Dispatch Payload

key	type	required	Desc
			Job State (0=unknown,1=en route, 2=on site, 3=on board, 4=waiting,5=call out, 6=no show)

Optional OBDII Payload

key	type	required	desc
			Emission volumes
			Oil Lite
			Battery
			Tire pressure
			Speed

Optional Mobile Media Payload

key	type	required	desc

Optional Government/Law Enforcement Payload

key	type	required	desc

Optional Environmental Payload

key	type	required	desc

Static Payload Dictionary

Payload:

key	type	required	desc
ky	string	yes	Key provided by cmt for access level security
dt	int	yes	Device Type (0=Unknown, 1=Taxi,2=Livery,3=Black Car)
dn	string	yes	Device Name. Unique Device Name per key.
tm	long	yes	Epoch timestamp
ed	string	no	Modem eid
pn	string	no	Modem phone number
cr	int	no	Carrier (0=Unknown, 1=ATT, 2=VERIZON, 3=TMOBILE,4=SPRINT)
mt	int	no	Modem Type (0=Unknown, 1=598U, 2=Tmobile Jet,3= Tmobile Rocket, 4=Raven, 5=Verizon Modem)