DOTZOT
API Solution in One Package

Technical Specification

DELL HEADER DETAIL TRACKING

WEB SERVICE

VERSION	DISCRIPTION	RELEASE DATE
4.0	Docket/AWB number Detail Tracking Web service. 1.0 Tracking Code Updated	27th June 2016
3.0	Docket/AWB number Detail Tracking Web service.	15th October 2015

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Need to Know

REST (Representational State Transfer) is an architectural style, and an approach to communications that is often used in the development of Web services. The use of REST is often preferred over the more heavyweight SOAP (Simple Object Access Protocol) style because REST does not leverage as much bandwidth, which makes it a better fit for use over the Internet. The SOAP approach requires writing or using a provided server program (to serve data) and a client program (to request data).

REST, which typically runs over HTTP (Hypertext Transfer Protocol), has several architectural constraints:

1. Decouples consumers from producers

2. Stateless existence

3. Able to leverage a cache

4. Leverages a layered system

5. Leverages a uniform interface

Getting Started

This web service is used for tracking the order placed in DOTZOT. The order is generated by E-Commerce Customer. This order data is uploaded either via Web service/Excel Upload Utility. Once the physical s/ment is picked up and booked in Dotzot system, that AWB No can be tracked by this web service. The Web service will provide the tracking history(Point to Point) of the Docket/AWBNo passed.

How Does it Works

This is the service which is exposed by DOTZOT to allow E-Commerce customer to get the latest track status of the docket/order. It provide the header and Detail tracking of the AWB/Docket No entered and shown in XML data.

Access to Server Link

Test Server Link:-

http://instacom-staging.azurewebsites.net/RestService/DocketTrackingService.svc/GetDocketTrackingDetails

Live Server Link :-

https://instacom.dotzot.in/RestService/DocketTrackingService.svc/GetDocketTrackingDetails
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Raw Header => Content Type : Application json

Method : Post

Raw Payload=> Docket no in Json format.

Service Input and Output Details

Service Input

Sr	Attribute Name	Data type (Max length)	Remarks	Type
1	Dock No	Varchar	Docket number	Mandatory

Service Output

Explanation of Header Fields

Field name	Data Type	Explanation	Data Values
DockNo	Varchar(50)	Docket No	Shall be 12 digit
ORDER_NO	Varchar(100)	Displays the order No containing the Dockets	RTOB1
RECIEVER_NAME	Varchar(200)	To who the shipment will be delivered for final delivery	Ram
CONTACT_NO	Varchar(50)	Contact Number of the consignee through who the shipment will be delivered	98989898989
PINCODE	Varchar(50)	Pincode of the shipment company	560106
ORIGIN	Varchar(250)	Consignor Name, City Name	NetFlex, Mumbai
DESTINATION	Varchar(250)	Destination City where it needs to be delivered.	Delhi
NO_OF_PIECES	Numeric (18,0)	No of pieces of shipments	1
WEIGHT	Numeric (18,2)	Weight of the shipment.	0.5
CHARGED_WEIGHT	Numeric (18,2)	Charged Weight of the shipment.	0.5
PRODUCT	Varchar(50)	Whether the payment is prepaid or Cash on Delivery.	Prepaid or COD
VALUE_OF_SHIPMENT	Numeric (18,0)	Value of shipment ; Invoice Value	8000
COD_AMOUNT	Numeric (18,0)	The cash on Delivery amount to be taken from the consignee.	500
NDR_REASON	Varchar(250)	Code of NDR	**NDR Codes (Table 1.3)**
SERVICE_TYPE	Varchar(250)	The type of service provided for the shipment like Express.	EXPRESS or ECONOMY
CURRENT_CITY	Varchar(250)	Current City name at which shipment available	Delhi
CURRENT_STATUS	Vachar(200)	Explains the current tracking	**Current Status* (Table 1.1)**

	Datetime (dd mmm yyyy)		
EventDate	Datetime (dd mmm yyyy)	Date	05 Aug 2013
EventTime	Datetime HH:MM	Time	15:42
Next_Location	Varchar(150)	This field is not to be referred to know the next location- pls refer transit location	
Tracking_Code	Varchar(10)	Shows tracking code with respect to tracking Status	Refer Table 1.2

Explanation of Detail Fields

Field Name	Data Type	Explanation	Data Values
CURRENT_CITY	Varchar(250)	Current City name at which shipment available	Delhi
CURRENT_STATUS	Vachar(200)	Explains the current tracking	**Current Status* (Table 1.1)**
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Tracking_Code	Varchar(10)	Shows tracking code with respect to tracking Status	Refer Table 1.2

Table 1.1 (Current Status)

Value	Activity
Picked up and Booking processed	After Docket is Booked
In Transit to	In transit from Location A to B
In Transit From	In transit from Location A to B
Arrived	Arrived
Out for Delivery	Out For Delivery
Delivered on 25 May 13 - Signed by <Rec person>	Delivered
Delivery Failed on 25 May 13 Reason : <undelivered Reason>	Undelivered
Available for RTO	Docket booked for RTO
RTO In-transit	RTO docket in Transit from location A to B
RTO Arrived	RTO Docket arrived at Location
RTO Out for Delivery	RTO Docket for delivery
RTO Delivered	RTO Docket Delivered
RTO Undelivered	RTO Docket Undelivered
Released	Heldup Released
Shipment under Investigation	Either Short or Lost

Table 1.2 (Tracking Code)

Tracking Codes	Description
DDRSGEN	Out for Delivery
DDRSUND	Undelivered due to - @Reason
DDTND	Undelivered due to - @Reason
DEHD	Out for Delivery at Pickup Point
DEXC	Arrived at
DFCSUI	Shipment under Investigation
DMFGEN	Processing Bag for <Dest>
DMMFGEN	Connected to
DMMFTRA	Bag Arrived at
PRSCLS	Shipment picked up
ATMP	Undelivered due to- @ Reason
BOK	Picked by DTDC Branch
CDIN	Bag Arrived at
CDOUT	Connected to
DARR	Arrived at
DBKNG	Booking processed
DCLAIM	Shipment under Investigation
DDHOGEN	Connected to

DDMG	Shipment under Investigation
DDRS	Out for delivery
DDRSDEL	Delivered
DKTCAN	Order Cancelled by Customer
DODEI	Shipment available for collection
DODEN	Customer refused delivery
DODEX	Shipment Returned from Collection point
DODEY	Delivered
DOPKY	Shipment received at Drop point
DPBSI	Shipment arrived at Dotzot facility and awaiting for soft data
DRMFGEN	Processing RTO Bag for <Dest>
DRRT	Misroute
DODEZ	Delivered
DRTO	Available for RTO Due to @ Reason
FDM	Out for delivery at pickup point
HLDUP	Shipment held up due to @Reason
IBM	Processing at
IMF	Processing at
IPMF	Arrived at Dotzot sorting facility
IRTO	RTO Arrived at
MMF	Processing Bag at
MMFB	Processing Bag at
PFDM	Delivery Manifest Prepared
PMF	Processing at
PRSFAIL	Pickup attempted. Reason SHIPMENT/ITEM NOT READY
RDARR	RTO Arrived at
RDDMG	Shipment under Investigation
RDEXC	RTO Received at
RDRS	RTO Processing at
RDSRT	Shipment under Investigation
RELHLD	Shipment Released
RHODEL	RTO Delivered
RHOGEN	RTO Out For Delivery
RHOUN	RTO Undelivered due to @Reason
RMMFGEN	RTO Connected to
ROBO	Processing at
RPRSCLS	Return order Picked up and Booking processed
RPRSFAIL	Return order failed Due to @ Reason
RPRSGEN	Out for Reverse Pickup
RTO	RTO Connected to
RTOD	RTO Arrived at Dotzot sorting facility

Json Batch Script

Tracking URL :

http://dotzot-test.azurewebsites.net/RestService/DocketTrackingService.svc/GetDocketTrackingDetails

Parameter to be passed : {"DocketNo":"I30005981433"}

Response output :

 {
"IsSuccess": false
"Message": ""
"DOCKNO": "I30005981433"
"ORDER_NO": "3466778"
"RECIEVER_NAME": "nisha Shishodia"
"CONTACT_NO": "-"
"PINCODE": "201008"
"ORIGIN": "SURAT"
"DESTINATION": "GHAZIABAD"
"NO_OF_PIECES": "1"
"WEIGHT": "0.700"
"CHARGED_WEIGHT": "0.700"
"PRODUCT": "COD"
"VALUE_OF_SHIPMENT": ""
"COD_AMOUNT": "1649"
"NDR_REASON": ""
"SERVICE_TYPE": "Express"
"CURRENT_CITY": "GHAZIABAD"
"CURRENT_STATUS": "Delivered"
"EVENTDATE": "12/02/16"
"EVENTTIME": "18:00:00"
"NEXT_LOCATION": "GHAZIABAD"
"TRACKING_CODE": "DDRSDEL"

"Detail": [8]
0: {
"CURRENT_CITY": "GHAZIABAD"
"CURRENT_STATUS": "Delivered"
"EVENTDATE": "12/02/16"
"EVENTTIME": "18:00:00"
"NEXT_LOCATION": "GHAZIABAD"
"TRACKING_CODE": "DDRSDEL"
}-
1: {
"CURRENT_CITY": "GHAZIABAD"
"CURRENT_STATUS": "Out for Delivery"
"EVENTDATE": "12/02/16"
"EVENTTIME": "10:40:20"
"NEXT_LOCATION": "GHAZIABAD"
"TRACKING_CODE": "DDRSGEN"
}-

2: {
"CURRENT_CITY": "GHAZIABAD"
"CURRENT_STATUS": "Received at"
"EVENTDATE": "10/02/16"
"EVENTTIME": "13:16:04"
"NEXT_LOCATION": "GHAZIABAD"
"TRACKING_CODE": "DARR"
}-
3: {
"CURRENT_CITY": ""
"CURRENT_STATUS": "Bag Arrived"
"EVENTDATE": "08/02/16"
"EVENTTIME": "22:50:00"
"NEXT_LOCATION": ""
"TRACKING_CODE": "DMMFTRA"
}-
4: {
"CURRENT_CITY": ""
"CURRENT_STATUS": "Connected to"
"EVENTDATE": "08/02/16"
"EVENTTIME": "08:39:00"
"NEXT_LOCATION": ""
"TRACKING_CODE": "DMMFTRA"
}-
5: {
"CURRENT_CITY": ""
"CURRENT_STATUS": "Connected to"
"EVENTDATE": "05/02/16"
"EVENTTIME": "01:44:00"
"NEXT_LOCATION": ""
"TRACKING_CODE": "DMMFTRA"
}-
6: {
"CURRENT_CITY": "SURAT"
"CURRENT_STATUS": "Processing Bag for GHAZIABAD"
"EVENTDATE": "04/02/16"
"EVENTTIME": "22:41:48"
"NEXT_LOCATION": "GHAZIABAD"
"TRACKING_CODE": "DMFGEN"
}-
7: {
"CURRENT_CITY": "SURAT"
"CURRENT_STATUS": "Booking processed"
"EVENTDATE": "04/02/16"
"EVENTTIME": "21:20:19"
"NEXT_LOCATION": "GHAZIABAD"
"TRACKING_CODE": "DBKNG"
}-
-
}-

Explicit Validation & Response

Explicit Validations	Response

If the User is not entered proper Docket No.	0:
	{
	  "CHARGED_WEIGHT": null
	  "COD_AMOUNT": null
	  "CONTACT_NO": null
	  "CURRENT_CITY": null
	  "CURRENT_STATUS": null
	  "DESTINATION": null
	  "DOCKNO": null
	  "Detail": null
	  "EVENTDATE": null
	  "EVENTTIME": null
	  "IsSuccess": false
	  "Message": "Invalid Docket No."
	  "NDR_REASON": null
	  "NEXT_LOCATION": null
	  "NO_OF_PIECES": null
	  "ORDER_NO": null
	  "ORIGIN": null
	  "PINCODE": null
	  "PRODUCT": null
	  "RECIEVER_NAME": null
	  "SERVICE_TYPE": null
	  "TRACKING_CODE": null
	  "VALUE_OF_SHIPMENT": null
	  "WEIGHT": null
	}
	-

THANK   YOU