



Tracking Web Service API

Technical Specifications

The DPDgroup Tracking API is a web service using XML messages sent over a secure HTTP connection. Customers can very easily access the API to track a parcel by its parcel number and display the tracking results on their own website.

Connection Protocol

The DPD Group Tracking API is a RESTful web service and is accessed by sending a HTTP POST request to one of the following URLs:

DPD	
https://test-apps.geopostuk.com/tracking-core/dpd/parcels	TEST
https://apps.geopostuk.com/trackingcore/dpd/parcels	LIVE
Interlink	
https://test-apps.geopostuk.com/tracking-core/ie/parcels	TEST
https://apps.geopostuk.com/trackingcore/ie/parcels	LIVE

The HTTP request body should contain an XML document as specified by the `geopost_tracking_request.xsd` schema, see Appendix A.

The Content-type of the request should be declared as either `application/xml` or `text/xml`

The web service response format can either be `application/xml` or `application/json`. The client application can specify the required response type by setting the HTTP "Accept" header parameter. `application/xml` is the default if no value is specified.

Sample Request

The request XML document should look like this sample. `<user>` and `<password>` elements are mandatory and are the customer's ship@ease logon details. The `<trackingnumbers>` element can contain up to 10 `<trackingnumber>` elements. The tracking number is a parcel number.

```
<?xml version="1.0" encoding="UTF-8"?>
<trackingrequest>
  <user>USERNAME</user>
  <password>PASSWORD</password>
  <trackingnumbers>
    <trackingnumber>12345678901</trackingnumber>
  </trackingnumbers>
</trackingrequest>
```

Test account:

Username: GEOTRACK (in capitals) *//// Needs to be the customers account login for live website*

Password: g30tr4ck

A list of sample parcel numbers is provided in Appendix B.

Sample Response – Parcel Found

For each found parcel there will be a <trackingdetail> element within the response document. The <trackingdetail> element contains some basic details for the parcel such as its delivery address and a <trackingevents> element which will contain a number of <trackingevent> elements in reverse chronological order.

HTTP Status: 200 OK

```
<?xml version="1.0" encoding="UTF-8"?>
<trackingresponse>
  <trackingdetails>
    <trackingdetail>
      <trackingnumber>12345678901</trackingnumber>
      <parcelnumber>12345678901</parcelnumber>
      <consignmentnumber>12345678901</consignmentnumber>
      <deliveryaddress1>Flat 1</deliveryaddress1>
      <deliveryaddress2>2 Some Road</deliveryaddress2>
      <deliverylocality>Kings Heath</deliverylocality>
      <deliverycity>Birmingham</deliverycity>
      <deliverypostcode>B14 4AB</deliverypostcode>
      <deliverycountrycode>GB</deliverycountrycode>
      <trackingevents>
        <trackingevent>
          <date>2011-03-17T17:59:00Z</date>
          <code>39</code>
          <type>LABEL APPLIED</type>
          <description>Parcel label applied</description>
          <locality>Central Services</locality>
          <countrycode>GB</countrycode>
        </trackingevent>
        <trackingevent>
          <date>2011-03-17T17:42:00Z</date>
          <code>49</code>
          <type>RETURN TO DEPOT</type>
          <description>Returned to depot</description>
          <locality>Birmingham</locality>
          <countrycode>GB</countrycode>
        </trackingevent>
        <trackingevent>
          <date>2011-03-17T17:33:00Z</date>
          <code>39</code>
          <type>LABEL APPLIED</type>
          <description>Parcel label applied</description>
          <locality>Birmingham</locality>
          <countrycode>GB</countrycode>
        </trackingevent>
        <trackingevent>
          <date>2011-03-17T17:15:00Z</date>
          <code>68</code>
          <type>FAILED NOTIFICATION RECEIVED</type>
```

```

        <description>Unable to deliver, notification
            received</description>
        <locality>Birmingham</locality>
        <countrycode>GB</countrycode>
    </trackingevent>
    <trackingevent>
        <date>2011-03-17T15:58:00Z</date>
        <code>15</code>
        <type>OUT FOR DELIVERY</type>
        <description>On vehicle for
delivery</description>
        <locality>Birmingham</locality>
        <countrycode>GB</countrycode>
    </trackingevent>
    <trackingevent>
        <date>2011-03-17T15:39:00Z</date>
        <code>4</code>
        <type>CONFIRMED AT DEPOT</type>
        <description>Confirmed at depot</description>
        <locality>Birmingham</locality>
        <countrycode>GB</countrycode>
    </trackingevent>
    <trackingevent>
        <date>2011-03-17T14:46:00Z</date>
        <code>9</code>
        <type>HUB SCAN</type>
        <description>Confirmed at Hub</description>
        <locality>Hub 3 - Birmingham</locality>
        <countrycode>GB</countrycode>
    </trackingevent>
    <trackingevent>
        <date>2011-03-17T14:07:00Z</date>
        <code>0</code>
        <type>PARCEL DATA</type>
        <description>Customer data received</description>
        <locality>Birmingham</locality>
        <countrycode>GB</countrycode>
    </trackingevent>
</trackingevents>
</trackingdetail>
</trackingdetails>
</trackingresponse>

```

Sample Response – Invalid Password

HTTP Status: 200 OK

```

<?xml version="1.0" encoding="UTF-8"?>
<trackingresponse>
    <trackingdetails/>
    <error>PASSWORD INVALID</error>
</trackingresponse>

```

Sample Response – Parcel Not Found

HTTP Status: 200 OK

```
<?xml version="1.0" encoding="UTF-8"?>
<trackingresponse>
  <trackingdetails>
    <trackingdetail>
      <trackingnumber>12345678902</trackingnumber>
      <error>PARCEL NOT FOUND</error>
    </trackingdetail>
  </trackingdetails>
</trackingresponse>
```

Appendix A – *tracking-request.xsd*

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">
  <xsd:element name="trackingrequest">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="user" type="xsd:string" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="password" type="xsd:string" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="trackingnumbers" minOccurs="0" maxOccurs="1">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="trackingnumber" type="xsd:string"
minOccurs="1" maxOccurs="10">
                </xsd:element>
              </xsd:sequence>
            </xsd:complexType>
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
  </xsd:schema>
```

Appendix B – Sample Parcel Numbers

1355390751	1189449656	1355411961	1355412106
1355390753	1189449671	1355411962	1355412116
1355390793	1189449687	1355411963	1355412134
1355390805	1189449694	1355411964	1355412144
1355390806	1189449696	1355411965	1355412152
1355390809	1189449697	1355411966	1355412153
1355390810	1189449701	1355411967	1355412162
1355390811	1189449702	1355411968	1355412180
1355390812	1189449703	1355411969	1355412199
1355390815	1189449716	1355411970	1355412208
1355390816	1189449717	1355411971	1355412217
1355390817	1189449722	1355411972	1355412282
1355390818	1189449737	1355411973	1355412283
1355390820	1189449744	1355411974	1355412285
1355390822	1189449748	1355411975	1355412286
1355390823	1189449757	1355411976	1355412290
1355390824	1189449761	1355411977	1355412291
1355390825	1189449762	1355411978	1355412295
1355390826	1189449767	1355411979	1355412296
1355390829	1189449769	1355411980	1355412302
1189449463	1189449771	1355411981	1355412303
1189449464	1189449773	1355411982	1355412305
1189449470	1189449785	1355411983	1355412306
1189449499	1189449788	1355411984	1355412307
1189449507	1189449789	1355411985	1355412308
1189449508	1189449790	1355411986	1355412309
1189449510	1189449793	1355411987	1355412312
1189449511	1189449804	1355411988	1355412313
1189449512	1355411928	1355411989	1355412314
1189449514	1355411930	1355411990	1355412315
1189449515	1355411931	1355411991	1355412316
1189449516	1355411932	1355411992	1355412317
1189449517	1355411933	1355411993	1355412318
1189449518	1355411935	1355411994	1355412319
1189449519	1355411936	1355411995	1355412320
1189449521	1355411939	1355411996	1355412321
1189449522	1355411940	1355411997	1355412322
1189449523	1355411941	1355411998	1355412325
1189449524	1355411942	1355411999	1355412327
1189449526	1355411944	1355412000	1355412328
1189449527	1355411945	1355412001	1355412329
1189449529	1355411946	1355412002	1355412330
1189449536	1355411947	1355412003	1355412331
1189449541	1355411948	1355412004	1355412332
1189449542	1355411949	1355412005	1355412333
1189449546	1355411950	1355412006	1355412334
1189449560	1355411951	1355412014	1355412335
1189449567	1355411952	1355412015	1355412341
1189449606	1355411953	1355412033	1355412342
1189449613	1355411954	1355412042	1355412343
1189449617	1355411955	1355412060	1355412344
1189449619	1355411956	1355412061	1355412345
1189449634	1355411957	1355412070	1355412346
1189449648	1355411958	1355412079	1355412347
1189449649	1355411959	1355412097	1355412348
1189449655	1355411960	1355412098	1355412349

1355419350	1355426836	1355426910	1355433754
1355419351	1355426837	1355426911	1355433757
1355419352	1355426838	1355426912	1355433758
1355419353	1355426839	1355426913	1355433759
1355419354	1355426843	1355426914	1355433760
1355419356	1355426844	1355426915	1355433761
1355419357	1355426845	1355426920	1355433762
1355419373	1355426846	1355426921	1355433763
1355419374	1355426847	1355433678	1355433764
1355419375	1355426848	1355433679	1355433767
1355419384	1355426849	1355433680	1355433770
1355419392	1355426850	1355433681	1355433771
1355419402	1355426852	1355433684	1355433772
1355419404	1355426854	1355433685	1355433773
1355419405	1355426855	1355433686	1355433774
1355419406	1355426856	1355433687	1355433777
1355419407	1355426859	1355433689	1355433778
1355419414	1355426861	1355433690	1355433796
1355419415	1355426863	1355433691	1355433805
1355419416	1355426864	1355433692	1355433814
1355419424	1355426865	1355433693	1355433815
1355419425	1355426866	1355433695	1355433824
1355419433	1355426867	1355433696	1355433851
1355419434	1355426868	1355433697	1355433870
1355419435	1355426869	1355433698	1355433879
1355419441	1355426870	1355433699	1355433888
1355419442	1355426871	1355433700	1355440573
1355419443	1355426872	1355433706	1355440574
1355419469	1355426873	1355433707	1355440575
1355419470	1355426874	1355433709	1355440576
1355419471	1355426876	1355433710	1355440579
1355419478	1355426877	1355433711	1355440580
1355419480	1355426878	1355433712	1355440581
1355419481	1355426879	1355433713	1355440584
1355419487	1355426880	1355433716	1355440585
1355419488	1355426881	1355433717	1355440586
1355419489	1355426882	1355433718	1355440589
1355419490	1355426884	1355433719	1355440590
1355419497	1355426885	1355433720	1355440591
1355419498	1355426887	1355433721	1355440593
1355419499	1355426888	1355433722	1355440594
1355426815	1355426889	1355433723	1355440595
1355426816	1355426890	1355433724	1355440598
1355426818	1355426891	1355433725	1355440599
1355426819	1355426892	1355433726	1355440600
1355426820	1355426893	1355433727	1355440601
1355426821	1355426894	1355433728	1355440602
1355426822	1355426895	1355433729	1355440603
1355426824	1355426896	1355433730	1355440604
1355426825	1355426898	1355433731	1355440607
1355426826	1355426899	1355433732	1355440608
1355426827	1355426900	1355433733	1355440609
1355426828	1355426901	1355433744	1355440612
1355426829	1355426902	1355433745	1355440613
1355426830	1355426903	1355433747	1355440616
1355426831	1355426904	1355433748	1355440617
1355426832	1355426905	1355433749	1355440618
1355426833	1355426907	1355433751	1355440619
1355426834	1355426908	1355433752	1355440620
1355426835	1355426909	1355433753	1355440621

1355440622	1355440653	1355440664	1355440676
1355440626	1355440654	1355440665	1355440677
1355440641	1355440655	1355440666	1355440678
1355440644	1355440656	1355440667	1355440681
1355440646	1355440657	1355440668	1355440682
1355440647	1355440658	1355440672	1355440683
1355440648	1355440659	1355440673	1355440684
1355440649	1355440662	1355440674	1355440686
1355440650	1355440663	1355440675	