OPERATING INSTRUCTIONS FOR POSTI LOCATION
SERVICE REST INTERFACE
1. **General**
Posti Location Service is a component which provides a clean REST API to Posti location data. It is based on simple one endpoint REST API which only supports GET method. Posti Location Service contains all Posti domestic pickup points: Postal offices, Business service points, Parcel lockers, other pickup points and Posti letter boxes. The service also contains about 44000 Parcel Connect pickup points all around Europe and Baltics.

**Supported content type:** application/json

**Authentication:** is not required at the moment.

**Endpoint:** [https://locationservice.posti.com/location](https://locationservice.posti.com/location)

2. **Query parameters**
Supported query parameters:

<table>
<thead>
<tr>
<th>Query parameter</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>types (optional)</td>
<td>supported location types are POSTOFFICE, LETTERBOX, SMARTPOST, PICKUPPOINT, BUSINESSSERVICE, POBOX, LOCKER</td>
</tr>
<tr>
<td>lat</td>
<td>Latitude of center location that search is done for. Top or distance parameter is required.</td>
</tr>
<tr>
<td>lng</td>
<td>Longitude of center location that search is done for. Top or distance parameter is required.</td>
</tr>
<tr>
<td>top</td>
<td>amount of locations to return. API returns this amount of closest locations.</td>
</tr>
<tr>
<td>distance</td>
<td>Filter which allows user to limit distance of returned locations. Parameter is used together with lat/lng</td>
</tr>
<tr>
<td>topLeftLat</td>
<td></td>
</tr>
<tr>
<td>topLeftLng</td>
<td></td>
</tr>
<tr>
<td>bottomRightLat</td>
<td>Limits results to geographical bounding box.</td>
</tr>
<tr>
<td>bottomRightLng</td>
<td></td>
</tr>
<tr>
<td>zipCode</td>
<td>Filter results based on zipcode</td>
</tr>
</tbody>
</table>
locationZipCode | Find the closest pickup points using zipcode
--- | ---
strictZipCode | This is used together with zipCode parameter. If this is set true only results that exactly match to the location zipcode are shown. If strictZipCode is false, postal code area list is used to match location to queried zipcode. Default value is false.
countryCode | Limits results to given county. Default value is FI (Finland)
city | Filter results based on city. Matches to any language version of the city.
municipality | Filter results based on municipality. Matches to any language version of the municipality.
pupCode | Filter results based on PupCode
partnerType | Filter results based on partner type. Allowed types: POSTI, AIBE, BOXNET, TOPO_CENTRAS.

3. **Response parameters**
The response contains array of locations in JSON format:

<table>
<thead>
<tr>
<th>Location parameter</th>
<th>Description</th>
</tr>
</thead>
</table>
id | Unique service location identifier |
type | Location type (POSTOFFICE, LETTERBOX, SMARTPOST, PICKUPPOINT, BUSINESSSERVICE, POBOX, LOCKER)  
| NB. In-depth instructions on when and how to use different types you find on the Posti’s website [here](#) (and [here](#), in Finnish). On the site you find recommended texts, banners and logos.  
| For webshop the typical types to request would be like this:  
| - parcel terminals = SMARTPOST, LOCKER  
| - postal outlets = POSTOFFICE, PICKUPPOINT  
| Short explanation for different types is as follows:  
| - POSTOFFICE = In the post office or postal outlet one can buy, get or send letters, parcels or other stuff as well. |
• LETTERBOX = As the name states with this one can send letters.
• SMARTPOST = Parcel terminal which locates in public space (malls etc.) where one can access terminal within the opening hours of premises where terminal locates.
• LOCKER = Almost like the previous one SMARTPOST but locates most probably in apartment house or similar space where there is limited access for others than residents. Despite this we recommend that you show these pickup points to the customers. Just consider showing these types in separate drop-down list/list of your preference. Makes it easier for your customers to find the right parcel terminal. In the publicName of points of these types is information that pickup point locates in a space with limited access.
• PICKUPPOINT = This is like POSTOFFICE but you cannot buy stamps or anything like that postal stuff here. This is “light version” of POSTOFFICE so you can pick up parcels or leave customer returns or parcels with Helposti-code here.
• BUSINESSSERVICE = This is place for business customers of Posti. Don’t offer this type for webshop customers for picking up parcels or anything like that. Use this type wisely.
• POBOX = P.O. box for use with those customers of Posti which have made contract of P.O. box. Note that P.O. box is not allowed for receiving parcels but letters, magazines and other similar stuff.

Second way to do request is to leave type out and just filter out all those unneeded types from the result list, like LETTERBOX, POBOX and BUSINESSSERVICE in case you are looking for those pickup points that you offer for parcel pick up.

<table>
<thead>
<tr>
<th>postalCode</th>
<th>postal code</th>
</tr>
</thead>
<tbody>
<tr>
<td>postalCodeAreas</td>
<td>postal code area</td>
</tr>
<tr>
<td>address</td>
<td>Address object for each language (fi, sv, en) that includes street address, postal code, postal code name and municipality</td>
</tr>
<tr>
<td>publicName</td>
<td>Public name of the location in each language. This is the name to show to end customer for choosing the location.</td>
</tr>
<tr>
<td>locationName</td>
<td>Name of the location in each language. NB. This field is actually additional information to publicName since it describes the EXACT physical location eg. “Opposite the cash registers”</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>labelName</td>
<td>Pickup point label name</td>
</tr>
<tr>
<td>countryCode</td>
<td>Country of the location</td>
</tr>
<tr>
<td>dropOfTimeParcel</td>
<td>Drop of time for the parcels</td>
</tr>
<tr>
<td>dropOfTimeLetters</td>
<td>Drop of time for the letters</td>
</tr>
<tr>
<td>dropOfTimeExpress</td>
<td>Drop of time for the express letters</td>
</tr>
<tr>
<td>additionalInfo</td>
<td>Additional information like special opening times.</td>
</tr>
<tr>
<td>customerServicePhoneNumber</td>
<td>Customer service phone number</td>
</tr>
<tr>
<td>openingTimes</td>
<td>Array of opening times. Each element has weekday (1 = Monday, 7 = Sunday), time location opens (timeFrom) and time location closes (timeTo)</td>
</tr>
<tr>
<td>availability</td>
<td>Opening hours in string format e.g ma-pe 7.00 - 21.00, la 08.00 - 18.00</td>
</tr>
<tr>
<td>wheelchairAccess</td>
<td>true/false depending if location is accessibly by wheelchair</td>
</tr>
<tr>
<td>pupCode</td>
<td>Unique pick up point code.</td>
</tr>
<tr>
<td>routingServiceCode</td>
<td>Routing service code for the location</td>
</tr>
<tr>
<td>partnerType</td>
<td>Partner type that can be: POSTI, AIBE, BOXNET, TOPO_CENTRAS.</td>
</tr>
</tbody>
</table>
4. Sample queries

Posti Location Service – Sample queries:

Search by the postal code name [https://locationservice.posti.com/location?city=Sibbo](https://locationservice.posti.com/location?city=Sibbo)

Search by the municipality [https://locationservice.posti.com/location?municipality=Sipoo](https://locationservice.posti.com/location?municipality=Sipoo)


Search by the country code [https://locationservice.posti.com/location?countryCode=LT](https://locationservice.posti.com/location?countryCode=LT)

Search by bounding box and type

[https://locationservice.posti.com/location?d=a&types=POSTOFFICE&types=PICKUPPOINT&types=SMARTPOST&types=BUSINESSSERVICE&topLeftLat=60.226850265683396&topLeftLng=24.861389789074657&bottomRightLat=60.118482801480674&bottomRightLng=25.00262781092524](https://locationservice.posti.com/location?d=a&types=POSTOFFICE&types=PICKUPPOINT&types=SMARTPOST&types=BUSINESSSERVICE&topLeftLat=60.226850265683396&topLeftLng=24.861389789074657&bottomRightLat=60.118482801480674&bottomRightLng=25.00262781092524)

Find the 5 closest automated parcel lockers by zipcode


Find the 5 closest pickup points of any kind by zipcode in Latvia

5. API v2
API version 2 works in the same manner as the version 1. The only difference is the added parameter ‘capabilities’. All parameters used in version 1 can also be used with version 2.

Endpoint: https://locationservice.posti.com/api/2/location

<table>
<thead>
<tr>
<th>Query parameter</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>capabilities</td>
<td>Filter results based on the capabilities of the location. Currently supported are EXPRESS and FASTTRACK capabilities of SMARTPOSTs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Response parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>capabilities</td>
<td>A list of capabilities</td>
</tr>
</tbody>
</table>

5.1. Sample queries for v2

Search closest automated parcel lockers with EXPRESS capability by zipcode
https://locationservice.posti.com/api/2/location?locationZipCode=00230&types=SMARTPOST&capabilities=EXPRESS

Search closest automated parcel lockers with FASTTRACK capability by zipcode
https://locationservice.posti.com/api/2/location?locationZipCode=00230&types=SMARTPOST&capabilities=FASTTRACK
6. Mapping Location Service API to Posti EDI and Posti address label

- **LOCATION SERVICE API**
  ```json
  {  
    - locations: [  
        {  
          id: "10343202",  
          type: "SMARTPOST",  
          postalCode: "1034",  
          address: {  
            streetName: "Milgrāvju iela",  
            streetNumber: "6",  
            postalCode: "1034",  
            postOfficeCode: "Riga",  
            municipality: "Riga"  
          },  
          publicName: {  
            en: "Omniva"  
          },  
          labelName: {  
            en: "c/o Parcelshop 3202, Omniva"  
          },  
          countryCode: "LV",  
          locationName: null,  
          postalOfficeType: null,  
          dropOffTimeParcel: null,  
          dropOffTimeLetters: null,  
          dropOffTimeExpress: null,  
          availableTime: null,  
          customerServicePhoneNumber: null,  
          openingTimes: [],  
          availability: null,  
          wheelChairAccess: false,  
          rsiCode: "18943202",  
          routingServiceCode: "5203",  
          partnerType: "OMNIVA_LATVIA",  
          location: {  
            lat: "59.025436",  
            lon: "24.195075"  
          },  
          category: null,  
          emptystate: null,  
          lastEmptyTime: null,  
        },  
      ]
  }
  ```

- **EDI MESSAGE TO POSTI**
  ```plaintext
  Recipient name 1: The recipient’s name  
  Recipient name 2: c/o Parcelshop 3202, Omniva (labelName)  
  Recipient’s street address: Milgrāvju iela 8 (streetName +  
  streetNumber)  
  Recipient’s zip code: 1034 (postalCode)  
  Recipient’s city/town: Riga (postalCodeName)  
  Recipient’s country code: LV (countryCode)  
  
  Product identifier: 2701  
  Additional services: 3202 (RoutingServiceCode)*  
  
  *RSC is mandatory control data which is indicated in the EDI  
  message as an additional service. RSC is not presented in the  
  address label.  
  
  The information highlighted in red is obtained through the  
  pickup Point Registrar Integration.
  ```

- **POSTI ADDRESS LABEL**

  ![Posti Address Label Image]

  From:  
  Post Oy, Paketti ja logistikkapalvelut  
  Postilinna 7 A 1, krs a  
  FI-00230 HELSINKI  
  Finland  

  To:  
  Rex Recipient  
  c/o Parcelshop 3202, Omniva  
  Milgrāvju iela 8  
  LV-1034 RIGA  
  Latvia  

  NND  
  
  Shipment No:  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  

  Additional data:  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  
  08.03.2017  

  We are working exclusively on basis of our current STP in form and CRM.