USPS
Get Locker Info API

USPS Web Tools™
Application Programming Interface User Guide
Version 1.0 (10/30/2023)
# Table of Contents

1.0 Introduction to Web Tools ........................................................................................................3
  1.1 Before you get started: ...........................................................................................................3
2.0 Get Locker Info API ...................................................................................................................3
  2.1 Overview .............................................................................................................................3
    2.1.1 API Signature ..................................................................................................................4
  2.2 Request Descriptions ............................................................................................................4
    2.2.1 Sample Request ..............................................................................................................5
  2.3 Response Descriptions .........................................................................................................5
    2.3.1 Sample Response ...........................................................................................................8
    2.3.2 Error Responses ..........................................................................................................12
1.0 Introduction to Web Tools

This document contains a Reference Guide to the Get Locker Info API. See the Developers Guide to learn the administrative process for gaining access to the Web Tools APIs as well as the basic mechanism for calling the APIs and processing the results. The Developer’s Guide also contains information on testing and troubleshooting.

**Note:** The Request Parameter sections present the XML input tags for generating live requests along with the restrictions on the values allowed. An error message will be returned if an incorrect value is entered. Also, be aware of the maximum character amounts allowed for some tags. If the user enters more than those amounts, an error will not be generated. Web Tools will simply pass in the characters up to the maximum amount allowed and disregard the rest. This is important since the resulting value could prevent a correct response.

When building the XML request, pay particular attention to the order and case for tags. An error message will be returned if an incorrect value is entered. Remember that all data and attribute values in this document are for illustration purposes and are to be replaced by your actual values. For instance, a line of sample code may be:

```xml
<Pounds>2</Pounds>
```

In this instance, you will replace “2” with the weight in pounds for the package.

1.1 Before you get started:

The Web Tools Get Locker Info API requires additional API permissions. Integrators should contact USPS Internet Customer Care Center and follow the below instructions to submit a request for Web Tools GetLockerInfo API access.

2. In the “Account Information”, specify your Web Tools USERID.
3. In the “Issue Information”, specify “API Authorization and Testing” and “Authorization error messages”.
4. In the “Additional Information” section include the following:
   - API Access being requested: Specify Web Tools “GetLockerInfo API” or “Parcel Locker Lookup API”
   - Indicate expected API volume
   - Indicate use-case (i.e., how API will be used)
   - Provide Mailer ID (MID) if you have one

For additional USPS Web Tools information, please refer to the Step-By-Step guide found on the Technical Documentation section of the Web Tools page on usps.com/webtools.

2.0 Get Locker Info API

2.1 Overview

The Parcel Locker Lookup API (API=GetLockerInfo) allows integrators to search for operational USPS Parcel Locker (a.k.a. Smart Locker) locations (identified by unique Facility ID <FacilityID>). The Facility ID output returned in the GetLockerInfo API is a required input for label creation to a Parcel (i.e., “Smart”) Locker via the eVS Domestic Label API.

This API enables integrators to search by City/State/ZIP or search all operational Parcel Locker locations within the USPS network. If a Parcel Locker location is available, the Facility ID and supporting information (such as maximum locker dimensions) is returned to enable integrators to select a locker that fits their package. When no City, State, or ZIP parameters are provided (i.e., “All” locker locations requested), the API will return the first 100 Parcel Lockers and a location context value for integrators to use to call for additional locations.
This API returns data from the Parcel Locker system to enable shipping a USPS Parcel Locker. There is no reservation of a Parcel Locker with this API.

### 2.1.1 API Signature

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Host</th>
<th>Path</th>
<th>API</th>
<th>XML</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://</td>
<td>secure.shippingapis.com</td>
<td>/ShippingAPI.dll</td>
<td>API=GetLockerInfo &amp;XML= (see Tag Descriptions below)</td>
<td></td>
</tr>
</tbody>
</table>

### 2.2 Request Descriptions

<table>
<thead>
<tr>
<th>Tag Name</th>
<th>Occurs</th>
<th>Description</th>
<th>Type</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetLockerInfoRequest</td>
<td>Required</td>
<td>API=Get Locker Info</td>
<td>Alias</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Request /USERID</td>
<td>Required</td>
<td>This attribute specifies your Web Tools user ID. See the Developer's Guide for information on obtaining your USERID. For example: USERID=&quot;XXXXXXX&quot;</td>
<td>NMTOKEN</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Request /PASSWORD</td>
<td>Optional</td>
<td>This attribute specifies your Web Tools password. See the Developer's Guide for information on your Password. For Example: PASSWORD=&quot;XXXXXXX&quot;</td>
<td>NMTOKEN</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Request /City</td>
<td>Optional</td>
<td>City of the Post Office where the Parcel Locker is located. When specified, &lt;State&gt; must also be included. To return all lockers, do not populate. For example: &lt;City&gt;Miami&lt;/City&gt;</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Request /State</td>
<td>Optional</td>
<td>State of the Post Office where the Parcel Locker is located. Value should be passed as two-letter state abbreviation. When specified, &lt;City&gt; must also be included. To return all lockers, do not populate. For example: &lt;State&gt;FL&lt;/State&gt;</td>
<td>String</td>
<td>minLength=2 maxLength=2</td>
</tr>
<tr>
<td>Get Locker Info Request /Zip5</td>
<td>Optional</td>
<td>5-digit ZIP code of the Post Office where the Parcel Locker is located. To return all lockers, do not populate. For example: &lt;Zip5&gt;33125&lt;/Zip5&gt;</td>
<td>String</td>
<td>pattern=\d{5}</td>
</tr>
</tbody>
</table>
2.2.1 Sample Request

**Simple Request**

```xml
<GetLockerInfoRequest USERID="XXXXXXXXX" PASSWORD=""/>
    <City>Miami</City>
    <State>FL</State>
    <Zip5>33142</Zip5>
</GetLockerInfoRequest>
```

**All Call – Returns All Operational Lockers (limited to 100 lockers per XML response)**

```xml
<GetLockerInfoRequest USERID="XXXXXXXXX" PASSWORD=""/>
    <City></City>
    <State></State>
    <Zip5></Zip5>
</GetLockerInfoRequest>
```

**Subsequent All Call – Returns remaining locations using context value returned in original XML response**

```xml
GetLockerInfoRequest USERID="XXXXXXXXX" PASSWORD=""
    <City></City>
    <State></State>
    <Zip5></Zip5>
    <AdditionalLocationsContextValue>1365853</AdditionalLocationsContextValue>
</GetLockerInfoRequest>
```

2.3 Response Descriptions

<table>
<thead>
<tr>
<th>Tag Name</th>
<th>Occurs</th>
<th>Description</th>
<th>Type</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetLockerInfoResponse</td>
<td>Required</td>
<td>Alias</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response</td>
<td>Required</td>
<td>Alias</td>
<td>String</td>
<td>minOccurs=&quot;1&quot; maxOccurs=&quot;100&quot;</td>
</tr>
<tr>
<td>Tag Name</td>
<td>Occurs</td>
<td>Description</td>
<td>Type</td>
<td>Validation</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------</td>
<td>---------------------</td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/FacilityID</td>
<td>Required</td>
<td>Unique identifier of the Post Office where the Parcel Locker is located.</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: This value is required when generating a Parcel Locker label in the Web Tools eVS Domestic Label API.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationAddress</td>
<td>Required</td>
<td>Post Office (where the Parcel Locker is located) Address group.</td>
<td>Address Type</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationAddress/Address1</td>
<td>Required</td>
<td>Primary Street Address of the Post Office where the Parcel Locker is located.</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationAddress/Address2</td>
<td>Optional</td>
<td>Secondary Address (if available) of the Post Office where the Parcel Locker is located.</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationAddress/City</td>
<td>Required</td>
<td>City of the Post Office where the Parcel Locker is located.</td>
<td>City Type</td>
<td>maxLength =&quot;28&quot; minLength =&quot;0&quot;</td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationAddress/State</td>
<td>Required</td>
<td>State of the Post Office where the Parcel Locker is located. Returned as two-letter state abbreviation.</td>
<td>State Type</td>
<td>[a-z or A-Z][2]</td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationAddress/Zip5</td>
<td>Required</td>
<td>5-digit ZIP code of the Post Office where the Parcel Locker is located.</td>
<td>Zip5 Type</td>
<td>[0-9][5]</td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationAddress/Zip4</td>
<td>Required</td>
<td>4-digit ZIP code of the Post Office where the Parcel Locker is located.</td>
<td>Zip4 Type</td>
<td>[0-9][4]</td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationLatitude</td>
<td>Required</td>
<td>Latitude of the Post Office where the Parcel Locker is located.</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/LocationLongitude</td>
<td>Required</td>
<td>Longitude of the Post Office where the Parcel Locker is located.</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/DeliveryAddress</td>
<td>Required</td>
<td>Parcel Locker Delivery Address group.</td>
<td>Group</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/DeliveryAddress/Address1</td>
<td>Required</td>
<td>Primary Street Delivery Address of the Parcel Locker. (i.e., &quot;PO BOX LOCKER&quot;)</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Get Locker Info Response/Location/DeliveryAddress/Address2</td>
<td>Required</td>
<td>Secondary Delivery Address of the Parcel Locker (if available).</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td>Tag Name</td>
<td>Occurs</td>
<td>Description</td>
<td>Type</td>
<td>Validation</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>----------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/DeliveryAddres</td>
<td>Required</td>
<td>Required Delivery City of the Parcel Locker.</td>
<td>String</td>
<td>maxLength =&quot;28&quot; minLength =&quot;0&quot;</td>
</tr>
<tr>
<td>s/City</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/DeliveryAddres</td>
<td>Required</td>
<td>Required Delivery State of the Parcel Locker. Returned as two-letter state</td>
<td>String</td>
<td>[a-z or A-Z][2]</td>
</tr>
<tr>
<td>s/State</td>
<td></td>
<td>abbreviation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/DeliveryAddres</td>
<td>Required</td>
<td>Required 5-digit Delivery ZIP code of the Parcel Locker.</td>
<td>String</td>
<td>[0-9][5]</td>
</tr>
<tr>
<td>s/Zip5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/DeliveryAddres</td>
<td>Required</td>
<td>Required 4-digit Delivery ZIP code of the Parcel Locker.</td>
<td>String</td>
<td>[0-9][4]</td>
</tr>
<tr>
<td>s/Zip4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/DeliveryAddres</td>
<td>Required</td>
<td>Required 2-digit Delivery Point Code (DPC) of the Parcel Locker.</td>
<td>String</td>
<td>[0-9][2]</td>
</tr>
<tr>
<td>s/DeliveryPoint</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/LockerStatus</td>
<td>Required</td>
<td>Required Defaults to Operational. Note: This API will only return lockers</td>
<td>String</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>in “Operational” status.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/LockerOnline</td>
<td>Required</td>
<td>Required Status of an operational locker.</td>
<td>Boolean</td>
<td>True or False</td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/LockerSizeMax</td>
<td>Required</td>
<td>Required Length of the biggest locker compartment for the locker unit.</td>
<td>Decimal</td>
<td></td>
</tr>
<tr>
<td>imLength</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/LockerSizeMax</td>
<td>Required</td>
<td>Required Width of the biggest locker compartment for the locker.</td>
<td>Decimal</td>
<td></td>
</tr>
<tr>
<td>imWidth</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/LockerSizeMax</td>
<td>Required</td>
<td>Required Height of the biggest locker compartment for the locker unit.</td>
<td>Decimal</td>
<td></td>
</tr>
<tr>
<td>imHeight</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/ServiceDirect</td>
<td>Required</td>
<td>Required Indicates whether the locker can accept direct-to-locker shipments.</td>
<td>Boolean</td>
<td>True or False</td>
</tr>
<tr>
<td>Shipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/ServiceRedeliv</td>
<td>Required</td>
<td>Required Indicates whether the locker can support redelivery.</td>
<td>Boolean</td>
<td>True or False</td>
</tr>
<tr>
<td>ery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/ServicePOBox</td>
<td>Required</td>
<td>Required Indicates whether the locker can accept packages that cannot fit</td>
<td>Boolean</td>
<td>True or False</td>
</tr>
<tr>
<td>Overflow</td>
<td></td>
<td>into a PO Box.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/PrepaidReturns</td>
<td>Required</td>
<td>Required Indicates whether the locker can accept prepaid returns.</td>
<td>Boolean</td>
<td>True or False</td>
</tr>
<tr>
<td>GetLockerInfoResponse/Location/ServiceLabelP</td>
<td>Required</td>
<td>Required Indicates whether the locker has printing capability.</td>
<td>Boolean</td>
<td>True or False</td>
</tr>
<tr>
<td>rinting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GetLockerInfoResponse/AdditionalContextValue</td>
<td>Optional</td>
<td>Optional Returns the 7-digit context value so integrators can obtain</td>
<td>Context</td>
<td>[0-9][7]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>additional locations.</td>
<td>Type</td>
<td></td>
</tr>
</tbody>
</table>

**USPS Web Tools User’s Guide**
<table>
<thead>
<tr>
<th>Tag Name</th>
<th>Occurs</th>
<th>Description</th>
<th>Type</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetLockerInfoResponse</td>
<td>Required</td>
<td></td>
<td>Alias</td>
<td></td>
</tr>
</tbody>
</table>

## 2.3.1 Sample Response

**GetLockerInfo Response (Single Response)**

```xml
<GetLockerInfoResponse>
  <Location>
    <FacilityID>1368559</FacilityID>
    <LocationName>JOSE MARTI</LocationName>
    <LocationAddress>
      <Address1>425 NW 27TH AVE</Address1>
      <Address2>
      <City>MIAMI</City>
      <State>FL</State>
      <Zip5>33125</Zip5>
      <Zip4>9998</Zip4>
    </LocationAddress>
    <LocationLatitude>25.7768520000</LocationLatitude>
    <LocationLongitude>-80.2391510000</LocationLongitude>
    <DeliveryAddress>
      <Address1>PO BOX LOCKER</Address1>
      <Address2>
      <City>MIAMI</City>
      <State>FL</State>
      <Zip5>33125</Zip5>
      <Zip4>0100</Zip4>
      <DeliveryPoint>99</DeliveryPoint>
    </DeliveryAddress>
    <LockerStatus>Operational</LockerStatus>
    <LockerOnline>True</LockerOnline>
    <LockerSizeMaximumLength>18.50</LockerSizeMaximumLength>
    <LockerSizeMaximumWidth>14.50</LockerSizeMaximumWidth>
    <LockerSizeMaximumHeight>13.00</LockerSizeMaximumHeight>
    <ServiceDirectShip>True</ServiceDirectShip>
    <ServiceRedelivery>True</ServiceRedelivery>
    <ServicePOBoxOverflow>True</ServicePOBoxOverflow>
    <ServicePrepaidReturns>False</ServicePrepaidReturns>
    <ServiceLabelPrinting>False</ServiceLabelPrinting>
  </Location>
</GetLockerInfoResponse>
```

**GetLockerInfo Response (Multiple Locations returned; exceeds 100)**

```xml
<GetLockerInfoResponse>
  <Location>
    <FacilityID>1368559</FacilityID>
    <LocationName>JOSE MARTI</LocationName>
    <LocationAddress>
      <Address1>425 NW 27TH AVE</Address1>
      <City>MIAMI</City>
      <State>FL</State>
      <Zip5>33125</Zip5>
    </LocationAddress>
  </Location>
</GetLockerInfoResponse>
```
<LocationAddress>
  <Address1>18640 NW 2ND AVE</Address1>
  <Address2/>
  <City>Miami</City>
  <State>FL</State>
  <Zip5>33169</Zip5>
  <Zip4>9998</Zip4>
</LocationAddress>
<LocationLatitude>25.9454400000</LocationLatitude>
<LocationLongitude>-80.2054020000</LocationLongitude>
<DeliveryAddress>
  <Address1>PO BOX LOCKER</Address1>
  <Address2/>
  <City>Miami</City>
  <State>FL</State>
  <Zip5>33169</Zip5>
  <Zip4>0001</Zip4>
</DeliveryAddress>

<LockerStatus>Operational</LockerStatus>
<LockerOnline>True</LockerOnline>
<LockerSizeMaximumLength>18.50</LockerSizeMaximumLength>
<LockerSizeMaximumWidth>14.50</LockerSizeMaximumWidth>
<LockerSizeMaximumHeight>13.00</LockerSizeMaximumHeight>
<ServiceDirectShip>True</ServiceDirectShip>
<ServicePOBoxOverflow>True</ServicePOBoxOverflow>
<ServicePrepaidReturns>False</ServicePrepaidReturns>
<ServiceLabelPrinting>False</ServiceLabelPrinting>
</Location>

<Location>
  <FacilityID>1439303</FacilityID>
  <LocationName>Milam Dairy</LocationName>
  <LocationAddress>
    <Address1>5600 NW 72ND AVE</Address1>
    <Address2/>
    <City>Miami</City>
    <State>FL</State>
    <Zip5>33166</Zip5>
    <Zip4>9998</Zip4>
  </LocationAddress>
  <LocationLatitude>25.8243630000</LocationLatitude>
  <LocationLongitude>-80.3152976000</LocationLongitude>
  <DeliveryAddress>
    <Address1>PO BOX LOCKER</Address1>
    <Address2/>
    <City>Miami</City>
    <State>FL</State>
    <Zip5>33178</Zip5>
    <Zip4>0003</Zip4>
  </DeliveryAddress>
  <LockerStatus>Operational</LockerStatus>
  <LockerOnline>True</LockerOnline>
  <LockerSizeMaximumLength>18.50</LockerSizeMaximumLength>
  <LockerSizeMaximumWidth>14.50</LockerSizeMaximumWidth>
  <LockerSizeMaximumHeight>13.00</LockerSizeMaximumHeight>
  <ServiceDirectShip>True</ServiceDirectShip>
  <ServicePOBoxOverflow>True</ServicePOBoxOverflow>
</Location>
<ServicePrepaidReturns>False</ServicePrepaidReturns>
<ServiceLabelPrinting>False</ServiceLabelPrinting>
</Location>
… [truncated for space]
<AdditionalLocationsContextValue>1365853</AdditionalLocationsContextValue>
</GetLockerInfoResponse>
2.3.2 Error Responses

Error conditions are handled at the main XML document level. When parsing, it is best to check for an error document first before checking for good data. Error documents have the following format:

```xml
<Error>
    <Number></Number>
    <Source></Source>
    <Description></Description>
    <HelpFile></HelpFile>
    <HelpContext></HelpContext>
</Error>
```

Where:

- **Number** = the error number generated by the Web Tools server.
- **Source** = the component and interface that generated the error on the Web Tools server.
- **Description** = the error description.
- **HelpFile** = [reserved for future use].
- **HelpContext** = [reserved for future use].

Errors that are further down in the hierarchy also follow the above format.

An `<Error>` element may be returned at the top (response) level if there is a problem with the syntax of the request, or if a system error occurs. If the search criteria does not return any data, an `<Error>` element will be returned within the `<GetLockerInfoResponse>` element, for example:

```xml
<GetLockerInfoResponse>
    <Error>
        <ErrorCode>-2147219102</ErrorCode>
        <ErrorMessage>No Parcel Locker was found for the given search parameters.</ErrorMessage>
    </Error>
</GetLockerInfoResponse>
```