



# Locator JSON Developer Guide

July 11, 2016



## Important Information

### UPS Developer Kit APIs

Your development of an application using UPS Developer Kit APIs is governed by the UPS Technology Agreement you entered into with UPS. The following are key legal requirements from these agreements for the UPS Developer Kit APIs. For more information on all requirements for the UPS Developer Kit APIs, please refer to the UPS Technology Agreement.

Defined terms used but not defined in this document have the meaning set forth in the UPS Technology Agreement.

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# Table of Contents

<b>Chapter 1: Introduction .....</b>	<b>5</b>
<b>Chapter 2: Customer Integration Environment .....</b>	<b>6</b>
<b>Integration Testing and Production URLs .....</b>	<b>6</b>
<b>Chapter 3: Locator JSON Examples .....</b>	<b>7</b>
<b>LocatorRequest .....</b>	<b>7</b>
<b>LocatorResponse .....</b>	<b>8</b>

# Chapter 1: Introduction

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In this document, you will find guidance and instructions for integrating the Locator JSON API into your application, service, or system.

**IMPORTANT:**

- If this is your first time working with the UPS Developer Kit, begin with the *Introduction to the UPS Developer Kit* guide. This guide serves as the foundation for all API-specific developer guides.
- For additional API, XPath, and Error Code information, refer to the *Locator XML Developer Guide*.

## Chapter 2: Customer Integration Environment

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The Customer Integration Environment allows customers to test their application prior to launch. This environment is intended for integration testing of customer applications with the UPS servers.

Once your application has been thoroughly tested, you should redirect the application to the UPS Production Environment.



No stress testing should ever be performed by customers against any UPS systems.

To access testing and production sites the user must have an Access Key. You can request an Access Key after establishing a UPS profile and associating your shipping account.

### System Availability

The Customer Integration Environment is available 24 hours a day, 7 days a week. Note, the system is occasionally down for server maintenance.

### Integration Testing and Production URLs

For integration testing, direct your test Locator XML to:

Testing: <https://wwwcie.ups.com/rest/Locator>

Production: <https://onlinetools.ups.com/rest/Locator>



NOTE: In the Customer Integration Environment, Locator will only work in the following locales:

Country	City
United States	Atlanta
Canada	Toronto
Germany	Neuss
Mexico	Mexico City

## Chapter 3: Locator JSON Examples

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### LocatorRequest

```
{
  "AccessRequest": {
    "AccessLicenseNumber": "Your Access License Number",
    "UserId": "Your UserID",
    "Password": "Your Password"
  },
  "LocatorRequest": {
    "Request": {
      "RequestAction": "Locator",
      "RequestOption": "1",
      "TransactionReference": {
        "CustomerContext": "XOLT Sample Code"
      }
    }
  },
  "OriginAddress": {
    "PhoneNumber": "1234567891",
    "AddressKeyFormat": {
      "AddressLine": "Street Address",
      "PoliticalDivision2": "City",
      "PoliticalDivision1": "State",
      "PostcodePrimaryLow": "12345",
      "PostcodeExtendedLow": "1234",
      "CountryCode": "US"
    }
  },
  "Translate": {
    "Locale": "en_US"
  },
  "UnitOfMeasurement": {
    "Code": "MI"
  },
  "LocationSearchCriteria": {
    "SearchOption": {
      "OptionType": {
        "Code": "01"
      },
      "OptionCode": {
        "Code": "002"
      }
    }
  },
  "MaximumListSize": "1",
  "SearchRadius": "50"
}
```

## LocatorResponse

```
{
  "LocatorResponse": {
    "Response": {
      "TransactionReference": {
        "CustomerContext": "XOLT Sample Code"
      },
      "ResponseStatusCode": "1",
      "ResponseStatusDescription": "Success"
    },
    "AllowAllConfidenceLevels": "false",
    "Geocode": {
      "Latitude": "34.08588027",
      "Longitude": "-84.2200241"
    },
    "SearchResults": {
      "DropLocation": {
        "LocationID": "137333",
        "IVR": {
          "PhraseID": "0"
        },
        "Geocode": {
          "Latitude": "34.10262680",
          "Longitude": "-84.2099075"
        },
        "AddressKeyFormat": {
          "ConsigneeName": "UPS STORE 2 - ",
          "AddressLine": "319 CURIE DR",
          "PoliticalDivision2": "ALPHARETTA",
          "PoliticalDivision1": "GA",
          "PostcodePrimaryLow": "30005",
          "CountryCode": "US"
        },
        "PhoneNumber": "276-328-7462",
        "FaxNumber": "237-628-7362",
        "LocationAttribute": [
          {
            "OptionType": {
              "Code": "01",
              "Description": "Location"
            },
            "OptionCode": {
              "Code": "002",
              "Description": "reg;"
            }
          },
          {
            "OptionType": {
              "Code": "02",
              "Description": "RetailLocation"
            },
            "OptionCode": {
              "Code": "04",
              "Description": "The UPS Store"
            }
          }
        ]
      }
    }
  }
}
```



```
{
  "OptionType": {
    "Code": "03",
    "Description": "AdditionalServices"
  },
  "OptionCode": [
    {
      "Category": "06",
      "Code": "001",
      "Name": "Purchase Packaging Supplies"
    },
    {
      "Category": "06",
      "Code": "002",
      "Name": "Office Supplies and Services"
    },
    {
      "Category": "06",
      "Code": "003",
      "Name": "Duplication Services"
    },
    {
      "Category": "06",
      "Code": "004",
      "Name": "Mail Box Rentals"
    },
    {
      "Category": "06",
      "Code": "030",
      "Name": "reg;"
    },
    {
      "Category": "06",
      "Code": "031",
      "Name": "Find a drop off location"
    },
    {
      "Category": "06",
      "Code": "032",
      "Name": "Pay for a UPS shipping label"
    },
    {
      "Category": "06",
      "Code": "033",
      "Name": "Staffed Locations"
    },
    {
      "Category": "07",
      "Code": "001",
      "Name": "Ground",
      "TransportationPickUpSchedule": {
        "PickUp": [
          {
            "DayOfWeek": "1",
            "PickUpDetails": {
              "NoPickUpIndicator": ""
            }
          }
        ]
      }
    }
  ]
}
```

```

    },
    {
      "DayOfWeek": "2",
      "PickUpDetails": {
        "PickUpTime": "0900"
      }
    },
    {
      "DayOfWeek": "3",
      "PickUpDetails": {
        "NoPickUpIndicator": ""
      }
    },
    {
      "DayOfWeek": "4",
      "PickUpDetails": {
        "NoPickUpIndicator": ""
      }
    },
    {
      "DayOfWeek": "5",
      "PickUpDetails": {
        "NoPickUpIndicator": ""
      }
    },
    {
      "DayOfWeek": "6",
      "PickUpDetails": {
        "NoPickUpIndicator": ""
      }
    },
    {
      "DayOfWeek": "7",
      "PickUpDetails": {
        "NoPickUpIndicator": ""
      }
    }
  ]
},
{
  "Category": "07",
  "Code": "002",
  "Name": "Air",
  "TransportationPickUpSchedule": {
    "PickUp": [
      {
        "DayOfWeek": "1",
        "PickUpDetails": {
          "NoPickUpIndicator": ""
        }
      },
      {
        "DayOfWeek": "2",
        "PickUpDetails": {
          "PickUpTime": "2200"
        }
      }
    ]
  }
}

```

```

        },
        {
            "DayOfWeek": "3",
            "PickUpDetails": {
                "NoPickUpIndicator": ""
            }
        },
        {
            "DayOfWeek": "4",
            "PickUpDetails": {
                "NoPickUpIndicator": ""
            }
        },
        {
            "DayOfWeek": "5",
            "PickUpDetails": {
                "NoPickUpIndicator": ""
            }
        },
        {
            "DayOfWeek": "6",
            "PickUpDetails": {
                "NoPickUpIndicator": ""
            }
        },
        {
            "DayOfWeek": "7",
            "PickUpDetails": {
                "NoPickUpIndicator": ""
            }
        }
    ]
}
]
},
{
    "OptionType": {
        "Code": "04",
        "Description": "ProgramType"
    },
    "OptionCode": [
        {
            "Code": "02",
            "Name": "International Shipping Expert"
        },
        {
            "Code": "03",
            "Name": "Ship Guarantee"
        },
        {
            "Code": "04",
            "Name": "Apple Returns Program"
        },
        {
            "Code": "07",
            "Name": "Bill My Account"
        }
    ]
}

```

```
    }
  ]
}
],
"Distance": {
  "Value": "1.3",
  "UnitOfMeasurement": {
    "Code": "MI",
    "Description": "MILES"
  }
},
"SpecialInstructions": {
  "Segment": "WESTWOOD PLAZA - KMART SHOPPING MALL NEXT TO DRESS\nBARN"
},
"LatestGroundDropOffTime": "Mon: 9:00am; Tue-Sun: No Pickup",
"LatestAirDropOffTime": "Mon: 10:00pm; Tue-Sun: No Pickup",
"StandardHoursOfOperation": "Mon-Sun: 12:00am-11:55pm",
"Comments": "A government-issued photo ID is required when shipping or picking up a package\nat a
UPS shipping location.",
"DisplayPhoneNumberIndicator": "1",
"LocationNewIndicator": "N",
"FeaturedRank": "2",
"WillCallLocationIndicator": "N"
}
}
}
```