



# Pickup - Package JSON Developer Guide

July 09th, 2018



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## Chapter 1: Introduction

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In this document, you will find guidance and instructions for integrating the Pickup Package 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 *Pickup Package Web Service Developer Guide*.

## Chapter 2: Customer Integration Environment (CIE)

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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.

### JSON Testing and Production URLs



All API URLs are case sensitive.

<b>Testing:</b>	<a href="https://wwwcie.ups.com/rest/Pickup">https://wwwcie.ups.com/rest/Pickup</a>
<b>Production:</b>	<a href="https://onlinetools.ups.com/rest/Pickup">https://onlinetools.ups.com/rest/Pickup</a>

## Chapter 3: JSON Examples

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### PickupCreationRequest

```
{
  "UPSSecurity": {
    "UsernameToken": {
      "Username": "username1",
      "Password": "password1"
    },
    "ServiceAccessToken": {
      "AccessLicenseNumber": "AccessLicenseNumber1"
    }
  },
  "PickupCreationRequest": {
    "Request": {
      "TransactionReference": {
        "CustomerContext": "CustomerContext."
      }
    },
    "RatePickupIndicator": "Y",
    "TaxInformationIndicator": "Y",
    "PickupDateInfo": {
      "CloseTime": "1700",
      "ReadyTime": "1000",
      "PickupDate": "20160524"
    },
    "PickupAddress": {
      "CompanyName": "EIVR TEST NON-ACCOUNT PL 3",
      "ContactName": "EIVR TES PL",
      "AddressLine": "12380 Morris Rd",
      "City": "Louisville",
      "StateProvince": "KY",
      "PostalCode": "40201",
      "CountryCode": "US",
      "ResidentialIndicator": "N",
      "Phone": {
        "Number": "+48223803070"
      }
    },
    "AlternateAddressIndicator": "N",
    "PickupPiece": {
      "ServiceCode": "003",
      "Quantity": "1",
      "DestinationCountryCode": "US",
      "ContainerCode": "01"
    },
    "OverweightIndicator": "N",
    "PaymentMethod": "05"
  }
}
```

## PickupCreationResponse

```
{
  "PickupCreationResponse": {
    "Response": {
      "ResponseStatus": {
        "Code": "1",
        "Description": "Success"
      },
      "TransactionReference": {
        "CustomerContext": "CustomerContext."
      }
    },
    "PRN": "292513CL4A3",
    "RateStatus": {
      "Code": "01",
      "Description": "Rate available"
    },
    "RateResult": {
      "Disclaimer": {
        "Code": "05",
        "Description": "Rate excludes VAT. Rate includes a fuel surcharge, but excludes taxes, duties and other charges that may apply to the shipment."
      },
      "RateType": "FD",
      "CurrencyCode": "USD",
      "ChargeDetail": [
        {
          "ChargeCode": "B",
          "ChargeDescription": "BASE CHARGE",
          "ChargeAmount": "6.70",
          "TaxAmount": "0.00"
        },
        {
          "ChargeCode": "S",
          "ChargeDescription": "REMOTE AREA SURCHARGE",
          "ChargeAmount": "0.00",
          "TaxAmount": "0.00"
        },
        {
          "ChargeCode": "S",
          "ChargeDescription": "FUEL SURCHARGE",
          "ChargeAmount": "0.30",
          "TaxAmount": "0.00"
        }
      ],
      "GrandTotalOfAllCharge": "7.00"
    }
  },
  "TaxAmount": "0.00",
  {
    "ChargeCode": "S",
    "ChargeDescription": "REMOTE AREA SURCHARGE",
```



```
    "ChargeAmount": "0.00",  
    "TaxAmount": "0.00"  
  },  
  {  
    "ChargeCode": "S",  
    "ChargeDescription": "FUEL SURCHARGE",  
    "ChargeAmount": "0.30",  
    "TaxAmount": "0.00"  
  }  
],  
"GrandTotalOfAllCharge": "7.00"  
}  
}
```

## PickupRateRequest

```
{
  "UPSSecurity": {
    "UsernameToken": {
      "Username": "username1",
      "Password": "password1"
    },
    "ServiceAccessToken": {
      "AccessLicenseNumber": "AccessLicenseNumber1"
    }
  },
  "PickupRateRequest": {
    "Request": {
      "TransactionReference": {
        "CustomerContext": "CustomerContext."
      }
    },
    "PickupAddress": {
      "AddressLine": "12380 Morris Rd",
      "City": "Alpharetta",
      "StateProvince": "GA",
      "PostalCode": "30005",
      "CountryCode": "US",
      "ResidentialIndicator": "N"
    },
    "AlternateAddressIndicator": "",
    "ServiceDateOption": "03",
    "PickupDateInfo": {
      "CloseTime": "1712",
      "ReadyTime": "1400",
      "PickupDate": "20160524"
    },
    "TaxInformationIndicator": "Y"
  }
}
```

## PickupRateResponse

```
{
  "PickupRateResponse": {
    "Response": {
      "ResponseStatus": {
        "Code": "1",
        "Description": "Success"
      },
      "TransactionReference": {
        "CustomerContext": "CustomerContext."
      }
    },
    "RateResult": {
      "Disclaimer": {
        "Code": "05",
        "Description": "Rate excludes VAT. Rate includes a fuel surcharge, but excludes taxes, duties and other charges that may apply to the shipment."
      },
      "RateType": "FD",
      "CurrencyCode": "USD",
      "ChargeDetail": [
        {
          "ChargeCode": "B",
          "ChargeDescription": "BASE CHARGE",
          "ChargeAmount": "5.65",
          "TaxAmount": "0.00"
        },
        {
          "ChargeCode": "S",
          "ChargeDescription": "REMOTE AREA SURCHARGE",
          "ChargeAmount": "0.00",
          "TaxAmount": "0.00"
        },
        {
          "ChargeCode": "S",
          "ChargeDescription": "FUEL SURCHARGE",
          "ChargeAmount": "0.25",
          "TaxAmount": "0.00"
        }
      ],
      "GrandTotalOfAllCharge": "5.90"
    }
  }
}
```

## PickupPendingStatusRequest

```
{
  "UPSSecurity": {
    "UsernameToken": {
      "Username": "username1",
      "Password": "password1"
    },
    "ServiceAccessToken": {
      "AccessLicenseNumber": "AccessLicenseNumber1"
    }
  },
  "PickupPendingStatusRequest": {
    "Request": {
      "TransactionReference": {
        "CustomerContext": "?"
      }
    },
    "PickupType": "01",
    "AccountNumber": "Your Account Number"
  }
}
```

## PickupPendingStatusResponse

```
{
  "PickupPendingStatusResponse": {
    "Response": {
      "ResponseStatus": {
        "Code": "1",
        "Description": "Success"
      },
      "TransactionReference": {
        "CustomerContext": "CustomerContext."
      }
    },
    "PendingStatus": [
      {
        "PickupType": "01",
        "ServiceDate": "20160526",
        "PRN": "29550114KLL",
        "OnCallStatusCode": "012",
        "PickupStatusMessage": "Your pickup request is being processed",
        "BillingCode": "01",
        "ContactName": "ContactName",
        "ReferenceNumber": ""
      },
      {
        "PickupType": "01",
        "ServiceDate": "20160526",
        "PRN": "294501R982J",
        "OnCallStatusCode": "012",
        "PickupStatusMessage": "Your pickup request is being processed",
        "BillingCode": "01",
        "ContactName": "ContactName",
        "ReferenceNumber": ""
      }
    ]
  }
}
```

## PickupPendingStatusRequest

```
{
  "UPSSecurity": {
    "UsernameToken": {
      "Username": "username1",
      "Password": "password1"
    },
    "ServiceAccessToken": {
      "AccessLicenseNumber": "AccessLicenseNumber1"
    }
  },
  "PickupPendingStatusRequest": {
    "Request": {
      "TransactionReference": {
        "CustomerContext": "?"
      }
    },
    "PickupType": "01",
    "AccountNumber": "Your Account Number"
  }
}
```

## PickupCancelRequest

```
{
  "UPSSecurity": {
    "UsernameToken": {
      "Username": "username1",
      "Password": "password1"
    },
    "ServiceAccessToken": {
      "AccessLicenseNumber": "AccessLicenseNumber1"
    }
  },
  "PickupCancelRequest": {
    "Request": {
      "TransactionReference": {
        "CustomerContext": "CustomerContext"
      }
    },
    "CancelBy": "02",
    "PRN": "2954P0DER9H"
  }
}
```

## PickupCancelResponse

```
{
  "PickupCancelResponse": {
    "Response": {
      "ResponseStatus": {
        "Code": "1",
        "Description": "Success"
      },
      "TransactionReference": {
        "CustomerContext": "?",
        "TransactionIdentifier": "0xwsptb215n83clnLYn06V"
      }
    },
    "PickupType": ""
  }
}
```

## PickupGetServiceCenterFacilitiesRequest

```
{
  "UPSSecurity": {
    "UsernameToken": {
      "Username": "Your Username",
      "Password": "Your Password"
    },
    "ServiceAccessToken": {
      "AccessLicenseNumber": "Your Access License Number"
    }
  },
  "PickupGetServiceCenterFacilitiesRequest": {
    "Request": {
      "TransactionReference": {
        "TransactionIdentifier": "WSCM10098639041216153622SP0001B96F355"
      }
    },
    "PickupPiece": {
      "ServiceCode": "ServiceCode",
      "ContainerCode": "03"
    },
    "DestinationAddress": {
      "City": "City",
      "StateProvince": "StateProvince",
      "PostalCode": "PostalCode",
      "CountryCode": "US"
    },
    "ProximitySearchIndicator": "",
    "Locale": "en_HK"
  }
}
```



## PickupGetServiceCenterFacilitiesResponse

```
{
  "PickupGetServiceCenterFacilitiesResponse": {
    "Response": {
      "ResponseStatus": {
        "Code": "1",
        "Description": "Success"
      }
    },
    "ServiceCenterLocation": {
      "DropOffFacilities": {
        "Name": "ATLANTA",
        "Address": {
          "AddressLine": "5356 GEORGIA HWY 85, SUITE 100",
          "City": "FOREST PARK",
          "StateProvince": "GA",
          "PostalCode": "30297",
          "CountryCode": "US"
        }
      },
      "SLIC": "0973",
      "Type": "FRT",
      "Timezone": "America/New_York",
      "Phone": "8004238848",
      "FacilityTime": {
        "DayOfWeek": [
          {
            "Day": "Monday",
            "OpenHours": "0600",
            "CloseHours": "2100",
            "LastDrop": "1930"
          },
          {
            "Day": "Tuesday",
            "OpenHours": "0630",
            "CloseHours": "0200",
            "LastDrop": "1930"
          },
          {
            "Day": "Wednesday",
            "OpenHours": "0630",
            "CloseHours": "0200",
            "LastDrop": "1930"
          },
          {
            "Day": "Thursday",
            "OpenHours": "0630",
            "CloseHours": "0200",
            "LastDrop": "1930"
          },
          {
            "Day": "Friday",
            "OpenHours": "0630",
            "CloseHours": "0200",
            "LastDrop": "1930"
          }
        ]
      }
    }
  }
}
```

```
    },  
    {  
      "Day": "Saturday",  
      "OpenHours": "0800",  
      "CloseHours": "1000",  
      "LastDrop": "1000"  
    }  
  ]  
}  
}  
}  
}  
}
```

## PickupGetPoliticalDivision1ListRequest

```
{
  "UPSSecurity": {
    "UsernameToken": {
      "Username": "Your User ID",
      "Password": "Your Password"
    },
    "ServiceAccessToken": {
      "AccessLicenseNumber": "Your Access License Number"
    }
  },
  "PickupGetPoliticalDivision1ListRequest": {
    "Request": {
      "RequestOption": "",
      "TransactionReference": {
        "CustomerContext": "Your Customer Context"
      }
    },
    "CountryCode": "HK"
  }
}
```

## PickupGetPoliticalDivision1ListResponse

```
{
  "PickupGetPoliticalDivision1ListResponse": {
    "Response": {
      "ResponseStatus": {
        "Code": "1",
        "Description": "Success"
      },
      "TransactionReference": {
        "CustomerContext": ""
      }
    },
    "PoliticalDivision1": [
      "HK",
      "ISL",
      "KL",
      "NT"
    ]
  }
}
```

## Appendix

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### JSON Error Codes

Code	Description
1	<b>Unrecognized Error</b> Any error, other than those listed below, causing an issue with the request. <ul style="list-style-type: none"><li>• Verify the request headers are correct.</li><li>• Retry the request again later</li></ul>
2	<b>Unknown Operation</b> The UPS system does not understand the operation and is unable to forward the request to the correct API. <ul style="list-style-type: none"><li>• Verify the request headers are correct.</li><li>• Check request structure.</li></ul>
3	<b>Network Error</b> Transient error indicating the network is hindering request submission. <ul style="list-style-type: none"><li>• Retry the request again later.</li></ul>
4	<b>JSON Syntax Error</b> Indicates a problem with the JSON syntax. <ul style="list-style-type: none"><li>• Verify your request syntax is correct.</li></ul>