

# uMarketplace Split-Rate add-on API

## Introduction

Split-rate add-on customizes magento native checkout API to produce data in a bit different format to match specifics of split-rate cart functionality. The add-on gives functionality to a customer to select different shipping method per vendor. Customer cart can contain products from multiple vendors. Each group of products that belongs to a different vendor can have a separate shipping method assigned that will be later used in order fulfillment.

## Estimate guest cart shipping

If you check results of this API call you will notice a presence of `udropship_vendor`, `vendor_id`, `udropship_default` fields.

**vendor\_id** - reference id of the vendor that this item relates to.

**udropship\_default** - indicates if this method selected by default or using previous calls to `/V1/guest-carts/:cartId/shipping-information` or `/V1/guest-carts/:cartId/totals-information`

Item needs to be treated differently depending on `udropship_vendor` field value:

**udropship\_vendor=0** - should be skipped. normally it's a system carrier method that not used in per vendor shipping

**udropship\_vendor=-1** - special item that holds vendor information for the following results with `udropship_vendor="vendor_id of this item"`

**udropship\_vendor=0** - reference id of the vendor that this shipping method belongs to

Example:

```
POST /rest/default/V1/guest-carts/xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx/estimate-shipping-methods
{"address":{"region_id":"12","region":"California","country_id":"US","postcode":"90210"}}
```

## RESPONSE

```
[{
  "udropship_vendor": "0",
  "udropship_default": null,
  "vendor_id": null,
  "carrier_code": "udsplite",
  "method_code": "total",
  "carrier_title": "Drop Shipping (Split)",
  "method_title": "Total",
  "amount": 11.71,
  "base_amount": 11.71,
  "available": true,
  "error_message": "",
  "price_excl_tax": 11.71,
  "price_incl_tax": 11.71
}]
```

```
}, {
  "udropship_vendor": "-1",
  "udropship_default": null,
  "vendor_id": "1",
  "carrier_code": null,
  "method_code": null,
  "carrier_title": "vendor1",
  "method_title": "los angeles, US CA",
  "amount": null,
  "base_amount": null,
  "available": null,
  "error_message": null,
  "price_excl_tax": null,
  "price_incl_tax": null
}, {
  "udropship_vendor": "1",
  "udropship_default": "1",
  "vendor_id": "1",
  "carrier_code": "fedex",
  "method_code": "FEDEX_GROUND",
  "carrier_title": "Federal Express",
  "method_title": "Ground",
  "amount": 0,
  "base_amount": 0,
  "available": true,
  "error_message": "",
  "price_excl_tax": 0,
  "price_incl_tax": 0
}, {
  "udropship_vendor": "1",
  "udropship_default": "0",
  "vendor_id": "1",
  "carrier_code": "fedex",
  "method_code": "FEDEX_2_DAY",
  "carrier_title": "Federal Express",
  "method_title": "2 Day",
  "amount": 19.59,
  "base_amount": 19.59,
  "available": true,
  "error_message": "",
  "price_excl_tax": 19.59,
  "price_incl_tax": 19.59
}, {
  "udropship_vendor": "1",
  "udropship_default": "0",
  "vendor_id": "1",
  "carrier_code": "fedex",
  "method_code": "PRIORITY_OVERNIGHT",
  "carrier_title": "Federal Express",
```

```
"method_title": "Priority Overnight",
"amount": 25.26,
"base_amount": 25.26,
"available": true,
"error_message": "",
"price_excl_tax": 25.26,
"price_incl_tax": 25.26
}, {
  "udropship_vendor": "-1",
  "udropship_default": null,
  "vendor_id": "2",
  "carrier_code": null,
  "method_code": null,
  "carrier_title": "vendor2",
  "method_title": "rome, US GA",
  "amount": null,
  "base_amount": null,
  "available": null,
  "error_message": null,
  "price_excl_tax": null,
  "price_incl_tax": null
}, {
  "udropship_vendor": "2",
  "udropship_default": "1",
  "vendor_id": "2",
  "carrier_code": "ups",
  "method_code": "03",
  "carrier_title": "United Parcel Service",
  "method_title": "UPS Ground",
  "amount": 11.71,
  "base_amount": 11.71,
  "available": true,
  "error_message": "",
  "price_excl_tax": 11.71,
  "price_incl_tax": 11.71
}, {
  "udropship_vendor": "2",
  "udropship_default": "0",
  "vendor_id": "2",
  "carrier_code": "ups",
  "method_code": "02",
  "carrier_title": "United Parcel Service",
  "method_title": "UPS Second Day Air",
  "amount": 36.3,
  "base_amount": 36.3,
  "available": true,
  "error_message": "",
  "price_excl_tax": 36.3,
  "price_incl_tax": 36.3
}]
```

## Save guest cart totals

Guest cart totals information save uses customized request.

In request we add **shipping\_method\_all** field which holds per vendor selection of shipping methods

Example:

```
POST /rest/default/V1/guest-carts/xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx/totals-information
{"addressinformation": {
  "address": {"countryid": "us", "region": "california", "regionid": "12",
"postcode": "90210"},
  "shipping_method_code": "total",
  "shipping_carrier_code": "udsplitted",
  "shipping_method_all": {
    "0": {
      "udropship_vendor": "0",
      "udropship_default": null,
      "vendor_id": null,
      "carrier_code": "udsplitted",
      "method_code": "total",
      "carrier_title": "drop shipping (split)",
      "method_title": "total",
      "amount": 31.3,
      "base_amount": 31.3,
      "available": true,
      "error_message": "",
      "price_excl_tax": 31.3,
      "price_incl_tax": 31.3
    },
    "1": {
      "udropship_vendor": "1",
      "udropship_default": "0",
      "vendor_id": "1",
      "carrier_code": "fedex",
      "method_code": "fedex_2_day",
      "carrier_title": "federal express",
      "method_title": "2 day",
      "amount": 19.59,
      "base_amount": 19.59,
      "available": true,
      "error_message": "",
      "price_excl_tax": 19.59,
      "price_incl_tax": 19.59
    },
    "2": {
      "udropship_vendor": "2",
      "udropship_default": "1",
```

```
        "vendor_id": "2",
        "carrier_code": "ups",
        "method_code": "03",
        "carrier_title": "united parcel service",
        "method_title": "ups ground",
        "amount": 11.71,
        "base_amount": 11.71,
        "available": true,
        "error_message": "",
        "price_excl_tax": 11.71,
        "price_incl_tax": 11.71
    }
}
}}
```

## RESPONSE

```
{
  "grand_total": 133.19,
  "base_grand_total": 133.19,
  "subtotal": 101.89,
  "base_subtotal": 101.89,
  "discount_amount": 0,
  "base_discount_amount": 0,
  "subtotal_with_discount": 101.89,
  "base_subtotal_with_discount": 101.89,
  "shipping_amount": 31.3,
  "base_shipping_amount": 31.3,
  "shipping_discount_amount": 0,
  "base_shipping_discount_amount": 0,
  "tax_amount": 0,
  "base_tax_amount": 0,
  "weee_tax_applied_amount": null,
  "shipping_tax_amount": 0,
  "base_shipping_tax_amount": 0,
  "subtotal_incl_tax": 101.89,
  "base_subtotal_incl_tax": 101.89,
  "shipping_incl_tax": 31.3,
  "base_shipping_incl_tax": 31.3,
  "base_currency_code": "USD",
  "quote_currency_code": "USD",
  "items_qty": 2,
  "items": [{
    "item_id": 6,
    "price": 52.62,
    "base_price": 52.62,
    "qty": 1,
    "row_total": 52.62,
    "base_row_total": 52.62,
    "row_total_with_discount": 0,
    "tax_amount": 0,
```

```
    "base_tax_amount": 0,
    "tax_percent": 0,
    "discount_amount": 0,
    "base_discount_amount": 0,
    "discount_percent": 0,
    "price_incl_tax": 52.62,
    "base_price_incl_tax": 52.62,
    "row_total_incl_tax": 52.62,
    "base_row_total_incl_tax": 52.62,
    "options": "[{"value":"vendor1","label":"Vendor"}]",
    "weee_tax_applied_amount": null,
    "weee_tax_applied": null,
    "name": "Overnight Duffle"
  }, {
    "item_id": 7,
    "price": 49.27,
    "base_price": 49.27,
    "qty": 1,
    "row_total": 49.27,
    "base_row_total": 49.27,
    "row_total_with_discount": 0,
    "tax_amount": 0,
    "base_tax_amount": 0,
    "tax_percent": 0,
    "discount_amount": 0,
    "base_discount_amount": 0,
    "discount_percent": 0,
    "price_incl_tax": 49.27,
    "base_price_incl_tax": 49.27,
    "row_total_incl_tax": 49.27,
    "base_row_total_incl_tax": 49.27,
    "options": "[{"value":"vendor2","label":"Vendor"}]",
    "weee_tax_applied_amount": null,
    "weee_tax_applied": null,
    "name": "Push It Messenger Bag"
  }],
  "total_segments": [{"code": "subtotal", "title": "Subtotal", "value": 101.89}, {
    "code": "shipping",
    "title": "Shipping & Handling (Drop Shipping (Split) - Total)",
    "value": 31.3
  }, {
    "code": "tax",
    "title": "Tax",
    "value": 0,
    "extension_attributes": {"tax_grandtotal_details": []}
  }, {"code": "grand_total", "title": "Grand Total", "value": 133.19,
  "area": "footer"}]
}
```

From:  
<https://secure.unirgy.com/wiki/> - **UnirgyWiki**

Permanent link:  
<https://secure.unirgy.com/wiki/udropship/umarketplace/m2/split-rate-api?rev=1571867297>

Last update: **2019/10/23 21:48**

