

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. The list of customized APIs

- /V1/carts/mine/estimate-shipping-methods
- /V1/carts/mine/estimate-shipping-methods-by-address-id
- /V1/guest-carts/:cartId/estimate-shipping-methods
- /V1/guest-carts/:cartId/shipping-information
- /V1/carts/mine/shipping-information
- /V1/carts/:cartId/shipping-information
- /V1/carts/:cartId/totals-information
- /V1/guest-carts/:cartId/totals-information
- /V1/carts/mine/totals-information

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": "udsplrit",
"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",
```



```
    "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"}]
}
```

Save guest cart shipping information

This request has a customized field **shipping_method_all**.

Example:

```
POST /rest/default/V1/guest-carts/f742mL2qWS9ks09vyadhoLNJoA61A5GW/shipping-
information
{
  "addressInformation": {
    "shipping_address": {
      "countryId": "US",
      "regionId": "12",
      "regionCode": "CA",
      "region": "California",
      "street": ["test"],
      "company": "",
      "telephone": "911",
      "postcode": "90210",
      "city": "Los Angeles",
      "firstname": "test",
      "lastname": "test"
    },
    "billing_address": {
      "countryId": "US",
      "regionId": "12",
      "regionCode": "CA",
      "region": "California",
      "street": ["test"],
      "company": "",
      "telephone": "911",
      "postcode": "90210",
      "city": "Los Angeles",
      "firstname": "test",
      "lastname": "test",
      "saveInAddressBook": null
    },
    "shipping_method_code": "total",
    "shipping_carrier_code": "udsplite",
    "shipping_method_all": {
      "0": {
        "udropship_vendor": "0",
        "udropship_default": null,

```

```
        "vendor_id": null,
        "carrier_code": "udsplitt",
        "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

```
{
  "payment_methods": [{"code": "checkmo", "title": "Check \\/ Money order"}], "totals": {
```



```
"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"}]  
  }  
}
```

Logged in customers

Logged in customers checkout requests use the same approach just different endpoints and different original format.

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