

[Advanced Commerce API](#) / SubscriptionModifyInAppRequest

Object

SubscriptionModifyInAppRequest

The request data your app provides to make changes to an auto-renewable subscription.

Advanced Commerce API 1.0+

```
object SubscriptionModifyInAppRequest
```

Properties

addItems

[[SubscriptionModifyAddItem](#)]

changeItems

[[SubscriptionModifyChangeItem](#)]

currency

[currency](#)

descriptors

[SubscriptionModifyDescriptors](#)

operation

string

(Required)

Value: MODIFY_SUBSCRIPTION

periodChange

[SubscriptionModifyPeriodChange](#)

removeItems
[SubscriptionModify
RemoveItem]

requestInfo (Required)
RequestInfo

retainBillingCycle (Required)
retainBillingCycle

storefront
storefront

taxCode
taxCode

transactionId (Required)
transactionId

version (Required)
version

Discussion

You use the `SubscriptionModifyInAppRequest` in your app when the customer makes one or more changes to a subscription, such as upgrading, downgrading, or adding or removing items.

Example: upgrade a subscription

In the following request:

- The customer upgrades the subscription from a monthly to an annual subscription, effective immediately.
- The billing cycle resets.
- The example doesn't include optional fields in `requestInfo`.

Request

```
{  
  "operation": "MODIFY_SUBSCRIPTION",  
  "version": "1",
```

```

"transactionId": "12345",
"requestInfo": {
  "requestReferenceId": "e2a88501-25ba-403a-9c46-d7b8eccc56ba"
},
"currency": "USD",
"storefront": "USA",
"descriptors": {
  "effective": "IMMEDIATELY",
  "displayName": "Anne's Game Stream",
  "description": "Streaming Service for Anne's Game"
},
"periodChange": {
  "effective": "IMMEDIATELY",
  "period": "P1Y"
},
"retainBillingCycle": false,
"changeItems": [
  {
    "effective": "IMMEDIATELY",
    "currentSKU": "ANNES_GOLD_TIER_1M",
    "SKU": "ANNES_PLATINUM_TIER_1Y",
    "price": 99990,
    "displayName": "Platinum Tier",
    "description": "Access to Anne's Game Stream & chat",
    "reason": "UPGRADE"
  }
]
}

```

Example: add an item and retain the billing cycle

In the following request:

- The customer adds an item to the subscription, effective immediately.
- The billing cycle remains the same. The customer needs to pay the prorated price of the new item. Apple calculates the prorated price and presents a payment sheet to the customer.
- The customer is charged USD 4.99, as indicated by the price and currency fields in the request, at the next regular billing period.
- The example doesn't include optional fields in requestInfo.

```
{
  "operation": "MODIFY_SUBSCRIPTION",
  "version": "1",
  "transactionId": "12345",
  "requestInfo": {
    "requestReferenceId": "e2a88501-25ba-403a-9c46-d7b8eccc56ba"
  },
  "currency": "USD",
  "storefront": "USA",
  "descriptors": {
    "effective": "IMMEDIATELY",
    "displayName": "Streaming Pass",
    "description": "Streaming pass with multiple items"
  },
  "retainBillingCycle": true,
  "addItem": [
    {
      "SKU": "NEWS_CHANNELS",
      "displayName": "News Channel",
      "description": "Access to news channels",
      "price": 4990
    }
  ]
}
```

Example: remove an item at the next renewal

In the following request:

- The customer removes an item from the subscription, effective at the next renewal.
- The billing cycle remains the same.
- The remaining items renew at the next billing period.
- The example doesn't include optional fields in requestInfo.

Request

```
{
  "operation": "MODIFY_SUBSCRIPTION",
  "version": "1",
  "transactionId": "12345",
```

```

    "requestInfo": {
      "requestReferenceId": "e2a88501-25ba-403a-9c46-d7b8eccc56ba"
    },
    "currency": "USD",
    "storefront": "USA",
    "retainBillingCycle": true,
    "removeItems": [
      {
        "SKU": "LIVE_SPORTS"
      }
    ]
  }

```

Example: downgrade a subscription at the next renewal

In the following request:

- The customer downgrades the subscription, effective at the next renewal.
- The billing cycle remains the same.
- The example doesn't include optional fields in `requestInfo`.

Request

```

{
  "operation": "MODIFY_SUBSCRIPTION",
  "version": "1",
  "transactionId": "12345",
  "requestInfo": {
    "requestReferenceId": "e2a88501-25ba-403a-9c46-d7b8eccc56ba"
  },
  "currency": "USD",
  "storefront": "USA",
  "descriptors": {
    "effective": "NEXT_BILL_CYCLE",
    "displayName": "Anne's Game Stream",
    "description": "Streaming Service for Anne's Game"
  },
  "retainBillingCycle": true,
  "changeItems": [
    {
      "effective": "NEXT_BILL_CYCLE",

```

```
        "currentSKU": "ANNES_PLATINUM_TIER_1M",
        "SKU": "ANNES_GOLD_TIER_1M",
        "price": 7990,
        "displayName": "Gold Tier",
        "description": "Access to Anne's Game Stream",
        "reason": "DOWNGRADE"
    }
]
}
```

See Also

Subscription modification in the app

`object SubscriptionModifyAddItem`

The data your app provides to add items when it makes changes to an auto-renewable subscription.

`object SubscriptionModifyChangeItem`

The data your app provides to change an item of an auto-renewable subscription.

`object SubscriptionModifyRemoveItem`

The data your app provides to remove an item from an auto-renewable subscription.

`object SubscriptionModifyPeriodChange`

The data your app provides to change the period of an auto-renewable subscription.