

☰ Documentation

[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

[[SubscriptionModify](#)
 [AddItem](#)]

changeItems

[[SubscriptionModify](#)
 [ChangeItem](#)]

currency

[currency](#)

descriptors

[SubscriptionModify](#)
 [Descriptors](#)

operation

[string](#)

(Required)

Value: MODIFY_SUBSCRIPTION

periodChange

[SubscriptionModify](#)
 [PeriodChange](#)

```
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-d7b8eecc56ba"
},
"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-d7b8eecc56ba"  
    },  
    "currency": "USD",  
    "storefront": "USA",  
    "descriptors": {  
        "effective": "IMMEDIATELY",  
        "displayName": "Streaming Pass",  
        "description": "Streaming pass with multiple items"  
    },  
    "retainBillingCycle": true,  
    "addItems": [  
        {  
            "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",  
    "removeItems": [  
        {  
            "SKU": "NEWS_CHANNELS",  
            "displayName": "News Channel",  
            "description": "Access to news channels",  
            "price": 4990  
        }  
    ]  
}
```

```
"requestInfo": {  
    "requestReferenceId": "e2a88501-25ba-403a-9c46-d7b8eecc56ba"  
,  
    "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-d7b8eecc56ba"  
,  
        "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",  
                    "SKU": "LIVE_SPORTS"  
                }  
            ]  
        }  
    }  
}
```

```
        "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.