

Mobile Service > IAP > API Guide

[Notice]

New IAP SDK supporting subscription are released as [TOAST SDK](#).

The existing IAP SDK will not be developing new features.

Payment Consume API

User Application Server should notify IAP server to consume payment before issuing item . Only one consuming is available for each payment, and if the payment is invalid, consuming will not take place.

Unconsumed payment can be inquired with unconsumed payment history inquiry API of the relevant SDK.

[Reference]

One consuming is available for each payment, and unconsumed payment will be considered not to have provided an item.

Client may inquire all unconsumed payment.

Request

[URL]

```
POST https://api-  
iap.cloud.toast.com/inapp/v3/consume/{paymentSeq}/items/{itemSeq}
```

[Request Header]

Property name	Value
Http Method	POST
Content-Type	application/json

[Path Parameter]

Name	Data Type	Description
paymentSeq	String	payment unique identifier
itemSeq	Long	item unique identifier obtained in web console

[RequestBody]

Name	Data Type	Description
purchaseToken	String	token for payment verification

[Example]

```

POST https://api-
iap.cloud.toast.com/inapp/v3/consume/2014090210002254/items/1032032

RequestBody
{

"purchaseToken": "5PYSHgisiCU8BditHnDbPhmlS/0DSt4JDs2UMyg1/EY8oC6Q8qkuw5VBo7GNr
BYLNUy656GCAh7h9e1BtXeoBA=="

}

```

Response

[Example Response]

```

{
  "header": {
    "resultCode": 0,
    "resultMessage": "request is successful",
    "isSuccessful": true
  },
  "result": {
    "price": 1000.0,
    "currency": "KRW"
  }
}

```

[Header]

| Property name | Value | Description | | ----- | ----- | ----- | | isSuccessful | Boolean | consume is successful or not.(true/false) | resultCode | Integer | detail code when consume fails. | | resultMessage | String | detail message |

[Result]

Property name	Value	Description
price	long	price
currency	String	currency

[ResultCode]

Value	Description
0	0 when consume is successful.

[Reference]

other Result Code

Refer to Error Code page.

[Reference]

Even though the existing consume API v2 can be called, it will soon become unavailable.

Payment Consumable API

Unconsumed payment history with payment complete status can be inquired with Server API. You can inquire unconsumed items with the API and perform consume process.

Request

[URL]

```
POST https://api-iap.cloud.toast.com/standard/inapp/v1/consumable/list
```

[Request Header]

Property name	Value
Http Method	POST
Content-Type	application/json

[RequestBody]

Name	Data Type	Description
appSeq	Long	app unique identifier obtained in web console
userChannel	String	user channel (default value : "GF")
userKey	String	user identifier

[Example]

```
POST https://api-iap.cloud.toast.com/standard/inapp/v1/consumable/list
```

RequestBody

```
{
  "appSeq" : "1000272",
  "userChannel" : "GF",
  "userKey" : "tester"
}
```

Response

[Example Response]

```
{
  "header":{
    "isSuccessful": true,
    "resultCode": 0,
    "resultMessage": "success"
  },
  "result":[
    {
      "paymentSeq": "2016122110023124",
      "itemSeq": 1000292,
      "currency": "KRW",
      "price": 1000,
      "purchaseToken":
      "oJgM1EfDRjnQY7yqhWCUVgAXsSxLWq698t8QyTzk3NeeSoytKxtKGjldTc1wkSktgzjsfkVTKE50D
      oGihsAvGQ"
    },
    {
      "paymentSeq": "2016122110023125",
      "itemSeq": 1000292,
      "currency": "KRW",
      "price": 1000,
      "purchaseToken":
      "7_3zXyNJub0FNLed3m9XRAAXsSxLWq698t8QyTzk3NeeSoytKxtKGjldTc1wkSktgzjsfkVTKE50D
      oGihsAvGQ"
    }
  ]
}
```

[Header]

Property name	Value	Description
isSuccessful	Boolean	inquiry is successful (true/false)
resultCode	Integer	detail code when inquiry fails.
resultMessage	String	detail message

[Result]

Property name	Value	Description
paymentSeq	String	payment unique identifier(PAYMENT ID)
itemSeq	String	ITEM ID obtained in web console
currency	Long	currency
price	String	price
purchaseToken	String	token for payment verification and consume

[ResultCode]

Value	Description
0	successful payment count, not yet consumed

[Reference]

other Result Code

Refer to Error Code page.

Item Search API

Inquire items registered to App ID in web console.

Request

[URL]

```
GET https://api-iap.cloud.toast.com/standard/item/list/{appSeq}
```

[Request Header]

Property name	Value
Http Method	GET

[Path Parameter]

Name	Data Type	Description
appSeq	Long	appSeq obtained in web console

[Example]

```
GET https://api-iap.cloud.toast.com/standard/item/list/1000047
```

Response

[Example Response]

```
{
  "header": {
    "isSuccessful": true,
    "resultCode": 0,
    "resultMessage": "success"
  },
  "result": {
    "appUsingStatus": "USE",
    "itemList": [
      {
        "itemSeq": 1000059,
        "itemName": "gas",
        "marketItemId": "gas",
        "usingStatus": "USE",
        "regYmdt": "2014-12-05 07:02:34",
        "appName": "Google Unity Test App",
        "marketId": "GG"
      }
    ],
    "marketAppId": "com.nhnent.rich.smuggler",
    "appSeq": "1000047"
  }
}
```

[Header]

Property name	Value	Description
isSuccessful	Boolean	inquiry is successful or not. (true/false)
resultCode	Integer	detail code when inquiry fails.
resultMessage	String	detail message

[Result]

Property name	Value	Description
appUsingStatus	String	in use : "USE" , not use : "STOP"
itemList	List	object list containing item
itemSeq	Long	item seq registered in web console
itemName	String	item name registered in web console
marketItemId	String	store item name registered in web console
usingStatus	String	in use : "USE" , not use : "STOP"
regYmdt	String	ITEM registration date
appName	String	app name of ITEM
marketId	String	store of ITEM Google Play : "GG" Apple App Store : "AS" One Store : "TS"
marketAppId	String	Store App ID registered in web console
appSeq	Long	App ID registered in web console

[ResultCode]

Value	Description
0	0 when inquiry is successful

[Reference]

other Result Code

Refer to Error Code page.