

eSIM Access API

Partner API

Deliver eSIM data plan packages via the eSIM Access HTTP API. Step by step overview.

Quick Start

Create an account at eSIM Access

Deposit funds for testing and refunding

Copy your AccessCode

Add your AccessCode below and run in your terminal or powershell to make your first API call

bash

```
curl --location --request POST 'https://api.esimaccess.com/api/v1/open/balance/query'
```

```
--header 'RT-AccessCode: YOURACCESSCODE'
```

```
--data "
```

powershell

```
curl -Uri "https://api.esimaccess.com/api/v1/open/balance/query" `
```

```
-Method POST `
```

```
-Headers @{"RT-AccessCode"="YOURACCESSCODE"} `
```

```
-Body ""
```

Version - V1

Version 1 - OCT 11, 2022 - Initial Release

Version 1.1 - JUN 6, 2023 - Updates:

Single Profile ordering changed to batch Profile ordering [via Order Profiles request]

Offline post-paying changed to online pre-paying [via Order Profiles request]

esim/list endpoint removed, status function found in esim/query

Cancel, Suspend, Unsuspend and Revoke functions added

Country filter added to Query All Data Packages

Webook for order status checking added

Version 1.2 - JUL 26, 2023 - Updates:

Added Top Up endpoint for adding data to existing eSIM profiles

Query available Top Up plans with iccid or packageCode

Price and amount optional when ordering a profile

Version 1.3 - DEC 12, 2023 - Updates:

Adds slug as an alias to package code

Adds additional package data like speed, network, and favorite

Version 1.4 Mar 12, 2024 - Updates:

Add SMS send to iccid ability

Adds ability to write webhooks

Version 1.5 July 28, 2024 - Updates:

Adds daypass plans with periodNum parameter in Order Profiles

Adds rate limit of 8 requests per second

Version 1.6 Dec 20, 2024 - Updates:

Adds fields supportTopUpTypeand ipExport

Update Mar 8, 2025

Adds additional webhook for low balance now at 25% and 10% remaining

Adds balance check endpoint with last updated date

Update Mar 19, 2025

Adds two new endpoints for balance check and current regions

Update May 28, 2025

Add new webhooks - SMDP_EVENT which give SM-DP+ server events

Update July 24, 2025

Top Up packages can be added after esim is created.

Environments and Endpoints

Sandbox:

There is no Sandbox environment. Cancel eSIM orders as needed in our live environment.
Request funds for testing.

Production:

<https://api.esimaccess.com>

Image assets:

<https://static.redteago.com/>

Authentication

Request your API keys in your online account.

Standards

Time codes are presented in UTC. Country codes use Alpha-2 ISO. Data values are in Bytes.

Status

Server status tracked via postman monitors.

Rate Limit

8 API request per second are allowed.

Error Codes

View More

Code	Message
------	---------

000001	Server error
--------	--------------

000101	Request header (mandatory) is null
--------	------------------------------------

000102	Wrong request header format
--------	-----------------------------

000103	This https request method (get/post) is not supported
--------	--

000104	Request in invalid JSON format
--------	--------------------------------

000105	Request parameters (mandatory) are not contained
--------	--

000106	Request parameter (mandatory) is null
--------	---------------------------------------

000107	The length of the request parameter does not meet the requirement.
--------	--

101001	The timestamp of the request has expired.
--------	---

101002	This IP is in the blacklist.
--------	------------------------------

101003	Request signature mismatch.
--------	-----------------------------

View More

200002	This operation is not allowed due to the order status.
--------	--

200005	Package price error. Check price.
--------	-----------------------------------

200006	Total order price amount is wrong. Check prices.
--------	--

200007	Insufficient account balance
--------	------------------------------

200008 Order parameters error, please contact customer service.

2 0 0 0 0 ~~AB~~normal order status

2 0 0 0 1 ~~P~~file is being downloaded for the order.

200011 Insufficient available Profiles for the package, please contact the customer service.

310201 The bundle.code does not exist.

310211 The dataplanlocation.id does not exist.

310221 The currencyId does not exist.

310231 The carrierId does not exist.

310241 The packageCode does not exist.

310243 The package does not exist.

310251 The vendor does not exist.

310272 The orderNo does not exist.

310403 The ICCID does not exist in the order.

900001 The system is busy, please try again later.

AUTHORIZATION

API Key

Key

RT-AccessCode

Value

POST

Usage Check

<https://api.esimaccess.com/api/v1/open/esim/usage/query>

Check the data usage of up to 10 eSIMs via their esimTranNo. Returns the amount of dataUsage, the totalData in the plan, and the lastUpdateTime timestamp of the most recent data used value update.

Important Note: Data usage is updated every 2-3 hours and is not real time.

Field	Type	Description	Example
-------	------	-------------	---------

esimTranNo	String	eSIM transaction number	23072017992029
------------	--------	-------------------------	----------------

dataUsage	Long	Data usage in Bytes	1453344832
-----------	------	---------------------	------------

totalData	Long	Total data in Bytes	5368709120
-----------	------	---------------------	------------

lastUpdateTime	String	The timestamp for the last call record update. For file-based records, this is the last full hour of settlement; for carrier data usage notifications, it is the settlement time recorded in the notification; for the carrier's real-time call record API, it is the time when the API was called.	2025-03-19T18:00:00+0000
----------------	--------	---	--------------------------

AUTHORIZATION

API Key

This request is using API Key from collectioneSIM Access API

Body

raw (json)

json

```
{
  "esimTranNoList":["25030303480009"]
}
```

Example Request

Usage Check Single

curl

```
curl --location 'https://api.esimaccess.com/api/v1/open/esim/usage/query'\
--data '{
  "esimTranNoList":["25031120490003"]
}'
```

200 OK

Example Response

Body

Headers (8)

View More

json

```
{
  "success": true,
  "errorCode": "0",
  "errorMsg": null,
  "obj": {
    "esimUsageList": [
      {
        "esimTranNo": "25031120490003",
        "dataUsage": 1453344832,
        "totalData": 5368709120,
        "lastUpdateTime": "2025-03-19T18:00:00+0000"
      }
    ]
  }
}
```

POST

Supported Regions

<https://api.esimaccess.com/api/v1/open/location/list>

Check our currently supported countries and plan codes.

Field	Type	Description	Example
-------	------	-------------	---------

code	String	Region code	ES NA-3
------	--------	-------------	---------

name	String	Region name	Spain North America
------	--------	-------------	---------------------

type	Integer	Region type: 1 for single-country, 2 for multi-country	1
------	---------	--	---

subLocation	List	Sub-regions (exists only when type = 2)	
-------------	------	---	--

Each SubLocation object contains:

Field	Type	Description	Example
code	String	Region code	
name	String	Region name	

AUTHORIZATION

API Key

This request is using API Key from collectioneSIM Access API

Body

raw (json)

json

```
{}
```

Example Request

Current Country and Plan Codes

curl

```
curl --location 'https://api.esimaccess.com/api/v1/open/location/list' \
```

```
--data '{}'
```

200 OK

Example Response

Body

Headers (8)

View More

json

```
{
```

```
"success": true,
```

```
"errorCode": "0",
```

```
"errorMsg": null,
```

```
"obj": {
```

```
"locationList": [
```

```
{
```

```
"code": "ES",
```

```
"name": "Spain",
```

```
"type": 1,
```

```
"subLocationList": null
```

```
},
```

```
{
```

```
"code": "HK",
```

```
"name": "Hong Kong (China)",
```

```
"type": 1,
```

```
"subLocationList": null
```

```
},
```

```
{
```

```
"code": "MO",
"name": "Macao (China)",
"type": 1,
"subLocationList": null
},
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"code": "TH",
"name": "Thailand",
"type": 1,
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"code": "NL",
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"type": 1,
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"code": "IL",
"name": "Israel",
"type": 1,
"subLocationList": null
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"code": "TR",
"name": "Turkey",
"type": 1,
"subLocationList": null
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{
"code": "JO",
"name": "Jordan",
"type": 1,
"subLocationList": null
},
{
"code": "KW",
"name": "Kuwait",
"type": 1,
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```

```
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"name": "Oman",
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"code": "AM",
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"name": "United Arab Emirates",
"type": 1,
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"code": "AZ",
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```



```
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"code": "HU",
"name": "Hungary",
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```

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"name": "Kosovo",
"type": 1,
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"code": "MN",
"name": "Mongolia",
"type": 1,
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"code": "BA",
"name": "Bosnia and Herzegovina",
"type": 1,
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"code": "ME",
"name": "Montenegro",
"type": 1,
"subLocationList": null
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{
```



```
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"name": "Belarus",
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{
"code": "US",
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{
```

```
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"name": "Mauritius",
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{
"code": "TW",
"name": "Taiwan (China)",
"type": 1,
"subLocationList": null
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"name": "Jamaica",
"type": 1,
"subLocationList": null
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{
"code": "EU-42",
"name": "Europe (40+ areas)",
"type": 2,
"subLocationList": [
{
"code": "IS",
"name": "Iceland"
},
{
"code": "IE",
"name": "Ireland"
},

```

```
{
  "code": "IT",
  "name": "Italy"
},
{
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  "name": "Latvia"
},
{
  "code": "LT",
  "name": "Lithuania"
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  "code": "LU",
  "name": "Luxembourg"
},
{
  "code": "MT",
  "name": "Malta"
},
{
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  "name": "Asia (12 areas)",
  "type": 2,
  "subLocationList": [
    {
      "code": "VN",
      "name": "Vietnam"
    },
    {
      "code": "ID",
      "name": "Indonesia"
    },
    {
      "code": "KR",
      "name": "South Korea"
    },
    {
      "code": "KH",
      "name": "Cambodia"
    },
    {
      "code": "CN",
      "name": "China mainland"
    },
    {
      "code": "JP",
      "name": "Japan"
    },
    {
      "code": "HK",
```

```
"name": "Hong Kong (China)"
},
{
  "code": "TW",
  "name": "Taiwan (China)"
},
{
  "code": "MO",
  "name": "Macao (China)"
},
{
  "code": "TH",
  "name": "Thailand"
},
{
  "code": "MY",
  "name": "Malaysia"
},
{
  "code": "SG",
  "name": "Singapore"
}
],
{
  "code": "AS-5",
  "name": "Central Asia",
  "type": 2,
  "subLocationList": [
    {
      "code": "UZ",
      "name": "Uzbekistan"
    },
    {
      "code": "KZ",
      "name": "Kazakhstan"
    },
    {
      "code": "KG",
      "name": "Kyrgyzstan"
    },
    {
```

```
"code": "PK",
"name": "Pakistan"
},
{
"code": "LK",
"name": "Sri Lanka"
}
],
{
"code": "ME-6",
"name": "Gulf Region",
"type": 2,
"subLocationList": [
{
"code": "BH",
"name": "Bahrain"
},
{
"code": "SA",
"name": "Saudi Arabia"
},
{
"code": "KW",
"name": "Kuwait"
},
{
"code": "QA",
"name": "Qatar"
},
{
"code": "IQ",
"name": "Iraq"
},
{
"code": "AE",
"name": "United Arab Emirates"
}
],
{
"code": "CB-25",
```



```
"name": "Caribbean (20+ areas)",
"type": 2,
"subLocationList": [
{
"code": "AR",
"name": "Argentina"
},
{
"code": "BO",
"name": "Bolivia"
},
{
"code": "BR",
"name": "Brazil"
},
{
"code": "CO",
"name": "Colombia"
},
{
"code": "DO",
"name": "Dominican Republic"
},
{
"code": "PY",
"name": "Paraguay"
},
{
"code": "GP",
"name": "Guadeloupe"
},
{
"code": "PE",
"name": "Peru"
},
{
"code": "PR",
"name": "Puerto Rico"
},
{
"code": "UY",
"name": "Uruguay"
}
```

```
},
{
  "code": "AI",
  "name": "Anguilla"
},
{
  "code": "AG",
  "name": "Antigua and Barbuda"
},
{
  "code": "BB",
  "name": "Barbados"
},
{
  "code": "GD",
  "name": "Grenada"
},
{
  "code": "MS",
  "name": "Montserrat"
},
{
  "code": "KN",
  "name": "Saint Kitts and Nevis"
},
{
  "code": "AN",
  "name": "Netherlands Antilles"
},
{
  "code": "LC",
  "name": "Saint Lucia"
},
{
  "code": "GF",
  "name": "French Guiana"
},
{
  "code": "VC",
  "name": "Saint Vincent and the Grenadines"
},
{
```

```
"code": "DM",
"name": "Dominica"
},
{
"code": "TC",
"name": "Turks and Caicos Islands"
},
{
"code": "VG",
"name": "Virgin Islands- British"
},
{
"code": "JM",
"name": "Jamaica"
},
{
"code": "KY",
"name": "Cayman Islands"
}
],
{
"code": "CNJPKR-3",
"name": "China mainland & Japan & South Korea ",
"type": 2,
"subLocationList": [
{
"code": "KR",
"name": "South Korea"
},
{
"code": "CN",
"name": "China mainland"
},
{
"code": "JP",
"name": "Japan"
}
]
}
]
```

```
}
```

Webhooks

Endpoint Setup

Adding your webhook the first time will trigger a test webhook send. If you have a correctly working endpoint, you will receive an CHECK_HEALTH event. If our test send fails, your endpoint cannot be saved. To check a valid endpoint try <https://webhook.site/>

```
{"notifyType":"CHECK_HEALTH","content":{"orderNo":"1234567890","orderStatus":"Test"}}*
```

Set your webhook URL to receive POST requests** in your account.

The notifications contain a notifyType field indicating the event category and a content object with specific details. Here are the types you can expect:

ORDER_STATUS

Trigger: Sent when an eSIM is created and ready for retrieval.

Key content field: orderStatus will be "GOT_RESOURCE".

Example Use: Used to know when your eSIM order is ready for download.

SMDP_EVENT

Trigger: Sent during real-time eSIM profile lifecycle events as they occur on the SM-DP+ server.

Key content fields:

eid: eUICC identifier of the device.

iccid: ID of the eSIM.

esimStatus: Current eSIM state (typically *GOTRESOURCE* during provisioning, *INUSE* when active).

smdpStatus: SM-DP+ server status indicating the specific operation:

DOWNLOAD: eSIM profile is being downloaded to the device.

INSTALLATION: eSIM profile is being installed on the device.

ENABLED: eSIM has been activated/enabled on the device.

DISABLED: eSIM profile has been deactivated/disabled on the device..

DELETED: eSIM profile has been removed from the device.

Example Use: Track real-time eSIM provisioning progress and profile state changes for detailed lifecycle monitoring.

ESIM_STATUS

Trigger: Sent when the status of an individual eSIM changes after it has been allocated. This covers various lifecycle events.

Key content fields:

esimStatus: Indicates the current state. Common values observed include:

IN_USE: The eSIM has been installed/activated on a device.

USED_UP: The eSIM data allowance has been fully consumed.

USED_EXPIRED: The eSIM data is used up, and expired.

UNUSED_EXPIRED: The eSIM expired with data remaining.

CANCEL: The eSIM has been canceled / refunded.

REVOKED: The eSIM profile has been revoked.

smdpStatus: SM-DP+ server status (e.g., ENABLED, DISABLED, RELEASED, DELETED, INSTALLATION).

Example Use: Track activation, data exhaustion, expiration, or cancellations for specific eSIMs and notify customers.

DATA_USAGE

Trigger: 3 data usage webhooks will be sent when reaching 50% (0.5) data used, 80%(0.8) data used and 90%(0.9) data used.

Key content fields:

totalVolume: Total data allowance in bytes.

orderUsage: Data used so far in bytes.

remain: Remaining data in bytes.

remainThreshold : Values can be: 0.5, 0.8 and 0.9

Example Use: Proactively notify end-users about low data balance.

VALIDITY_USAGE

Trigger: Sent when the remaining validity period of an active eSIM reaches 1 day.

Key content fields:

remain: The remaining validity duration (e.g., 1).

durationUnit: The unit for the duration (e.g., "DAY").

expiredTime: The exact timestamp when the eSIM will expire.

totalDuration: The original validity duration.

Example Use: Warn end-users that their plan is about to expire.

IP Whitelist

For additional security, you can whitelist the following sender IPs:

3.1.131.226

54.254.74.88

18.136.190.97

18.136.60.197

18.136.19.137

Note: The content object structure may vary slightly. Always inspect the received payload to understand all available fields for each notifyType.

Look at our example webhook sending and test trigger form.

json

```
{
  "notifyType": "ORDER_STATUS",
  "content": {
    "orderNo": "B23072016497499",
    "orderStatus": "GOT_RESOURCE"
  }
}
```

[View More](#)

json

```
{
  "notifyType": "SMDP_EVENT",
  "eventGenerateTime": "2025-09-11T13:28:09+0000",
  "notifyId": "5fcc219e32dc484598d3fd700cf3738d",
  "content": {
    "eid": "89049032007108882600137544319616",
    "iccid": "8997250230000292199",
    "esimStatus": "GOT_RESOURCE",
    "smdpStatus": "DOWNLOAD",
    "orderNo": "B25091113270004",
    "esimTranNo": "25091113270004",
    "transactionId": "12068951785848-1-1"
  }
}
```

[View More](#)

json

```
{
  "notifyType": "DATA_USAGE",
  "eventGenerateTime": "2025-07-21T10:57:28Z",
  "notifyId": "f776267e8d6745db8cc316e4c146ea0c",
  "content": {
    "orderNo": "B25052822150009",
    "transactionId": "uniqueidfrom_partner",
    "esimTranNo": "25052822150009",
    "iccid": "8943108170001029631",
    "totalVolume": 53687091200,
    "orderUsage": 48335585458,
    "remain": 5351505742,
    "lastUpdateTime": "2025-07-21T09:38:25Z",
    "remainThreshold": 0.1
  }
}
```

}

}

View More

json

{

"notifyType": "VALIDITY_USAGE",

"content": {

"orderNo": "B23072016497499",

"transactionId": "Yourtxnid",

"iccid": "894310817000000003",

"durationUnit": "DAY",

"totalDuration": 30,

"expiredTime": "2024-01-11T08:10:19Z",

"remain": 1

}

}

View More

json

{

"notifyType": "ESIM_STATUS",

"eventGenerateTime": "2025-08-09T00:23:45Z",

"notifyId": "4038b3dfb1b050bf9f02501df67284f3",

"content": {

"orderNo": "B25080823490018",

"esimTranNo": "25080323490020",

"transactionId": "e23111e4d07746889c7bce41cf3f1b16",

"iccid": "89852000263413436720",

"esimStatus": "CANCEL",

"smdpStatus": "RELEASED"

}

}

AUTHORIZATION

API Key

This folder is using API Key from collectioneSIM Access API