

Holiday eSIM API Documentation

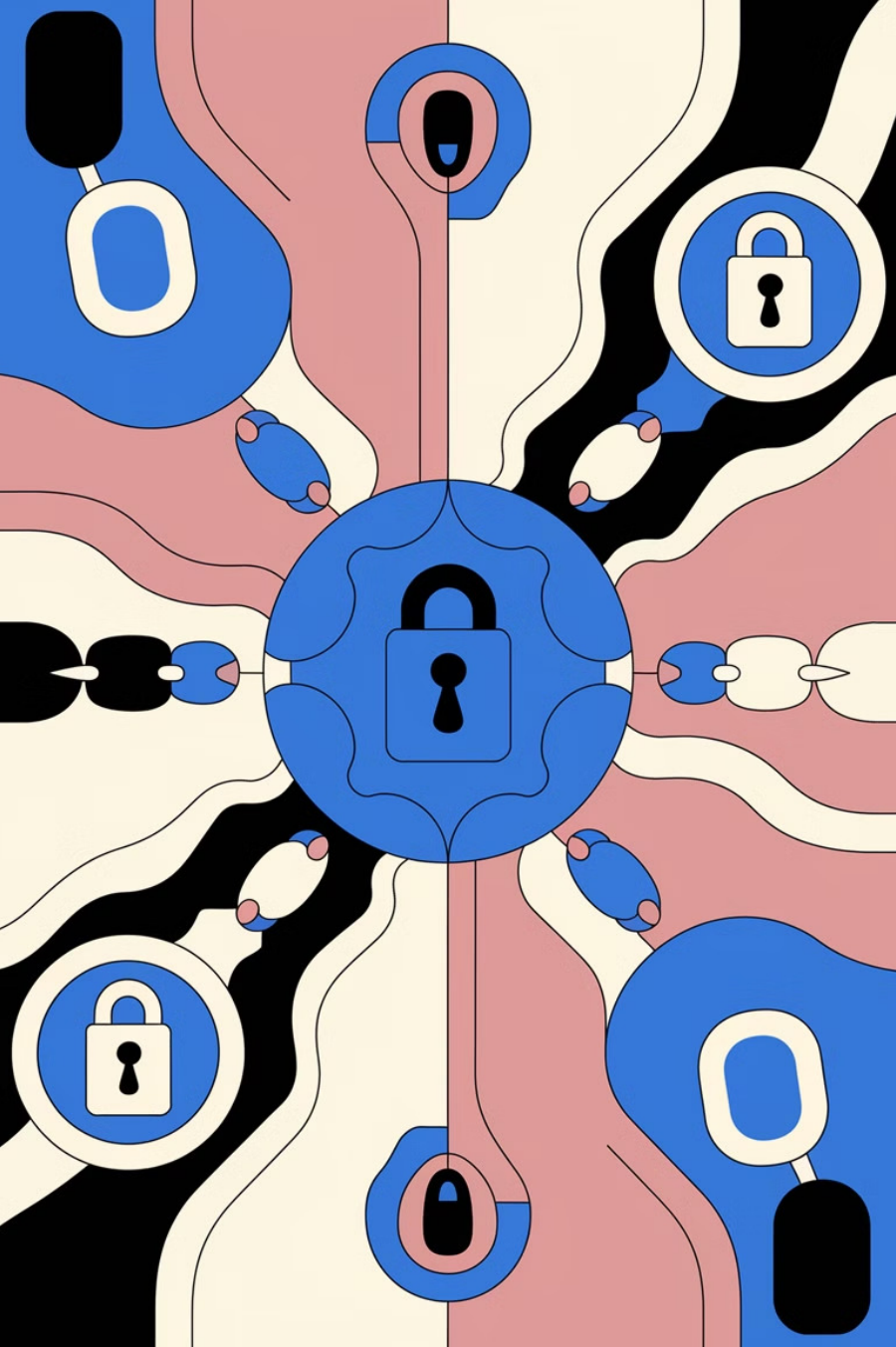


Welcome to the Holiday eSIM API documentation. This comprehensive guide provides all the information needed to integrate with our eSIM services, enabling your applications to authenticate users, retrieve country information, list available products, purchase eSIMs, and check transaction statuses.

Our API uses JSON Web Tokens (JWT) for secure access to protected endpoints, ensuring your integration is both robust and secure. The following sections will walk you through each endpoint in detail.

 **by UK Telecom Distribution Ltd**





Authorization Overview

Token-Based Security

Upon successful authentication, a JWT token is returned which must be included in all subsequent API requests as a Bearer token in the Authorization header.

Header Format

Authorization: Bearer
<JWT_TOKEN>

Token Lifecycle

Tokens have a limited validity period. Applications should be prepared to reauthenticate when tokens expire to maintain uninterrupted service.

Authentication Credentials



Username and Password

Used exclusively for the Authentication endpoint to generate a JWT token for subsequent API calls.



ClientID (TerminalID)

Required in the request body for the GetEsim purchase endpoint to identify your application.



Endpoint URLs

The service provider will share specific endpoint URLs for each API request in your onboarding package.





Authentication Process



Prepare Request

Create a POST request to the authentication endpoint with your username and password in the request body.



Send Request

Submit the request to: POST <https://localhost/EsimUK/Authenticate/authenticate>



Receive Token

Upon successful authentication, you'll receive a JWT token along with account details.



Store Securely

Store the token securely for use in subsequent API requests.

Authentication Request Details

Request Format

```
{  
  "userName": "Username1",  
  "password": "xxxxxxxxxx"  
}
```

This JSON payload must be sent as the body of your POST request to the authentication endpoint.

Response Format

```
{  
  "id": 825,  
  "username": "Username1",  
  "status": 1,  
  "statusMessage": "Successful",  
  "Clientid": "111111",  
  "CurrentBalance": "100000",  
  "token": "JWT_TOKEN"  
}
```

The response includes your account details and the crucial JWT token needed for authorization.

Country List Endpoint



Endpoint URL

GET <https://localhost/EsimUK/Esim/GetEsimCountryList>



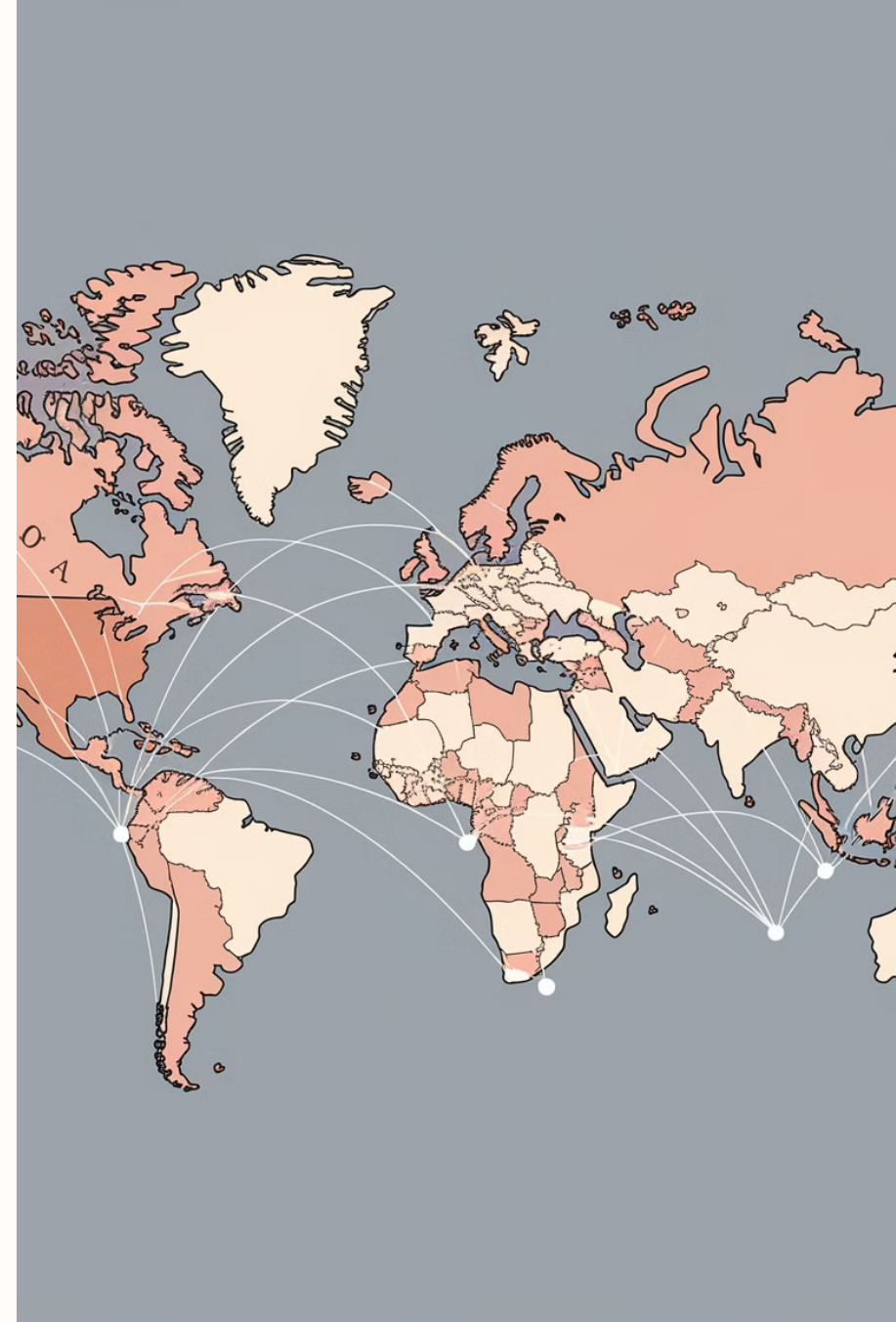
Authorization

Bearer token required in Authorization header



Response

Array of country objects with name, code, and ID



Country List Response Example

Response Structure

The country list endpoint returns an array of country objects, each containing:

- countryname: Full name of the country
- countrycode: Two-letter ISO country code
- countryid: Numeric identifier for the country

This information is essential for subsequent API calls that require country identification.

Example Response

```
[
  {
    "countryname": "Afghanistan",
    "countrycode": "AF",
    "countryid": "1"
  },
  {
    "countryname": "Albania",
    "countrycode": "AL",
    "countryid": "2"
  }
]
```

Product List by Country

Prepare Request

Create a GET request to the products endpoint with the country ID as a query parameter.

Send Request

Submit to: GET

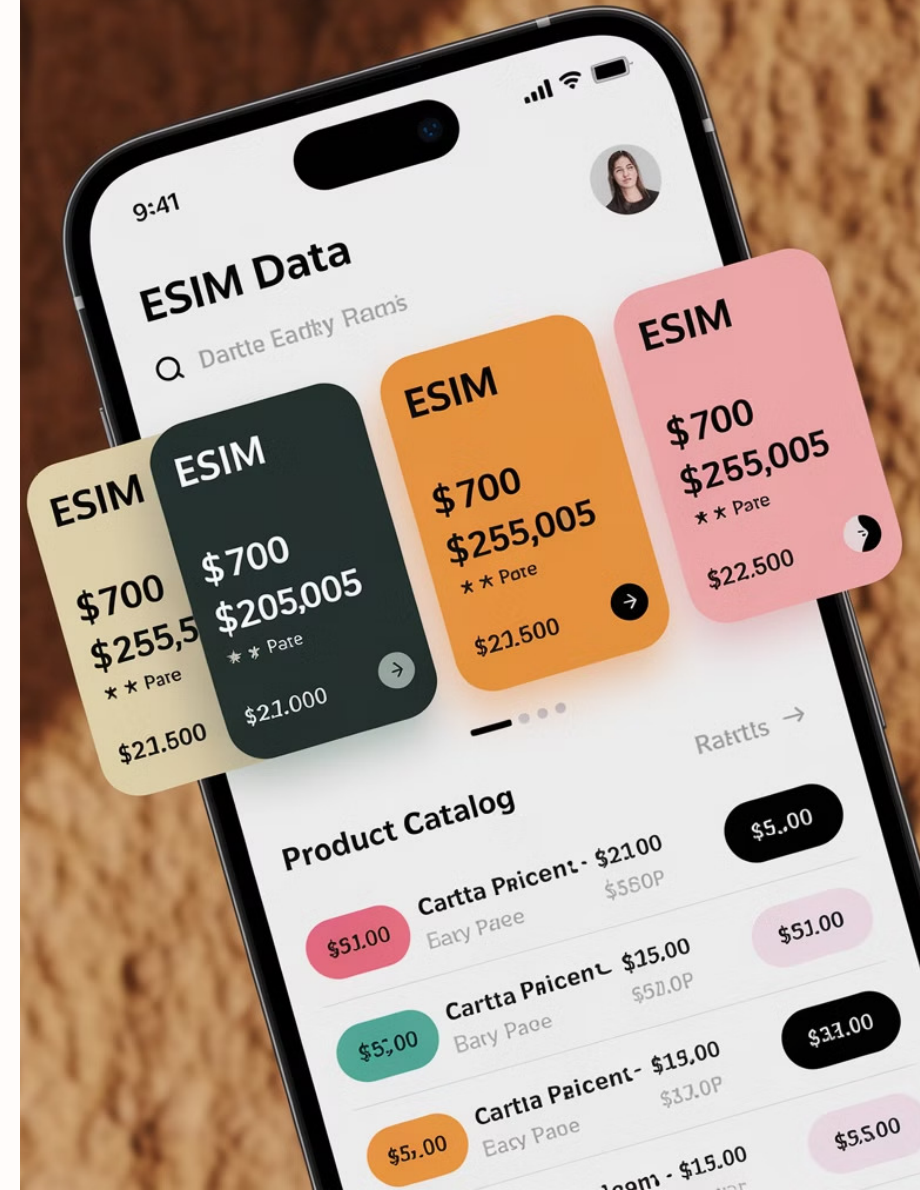
[https://localhost/EsimUK/Esim/GetEsimproductsbyCountry?](https://localhost/EsimUK/Esim/GetEsimproductsbyCountry?Countryid=1)
Countryid=1

Process Response

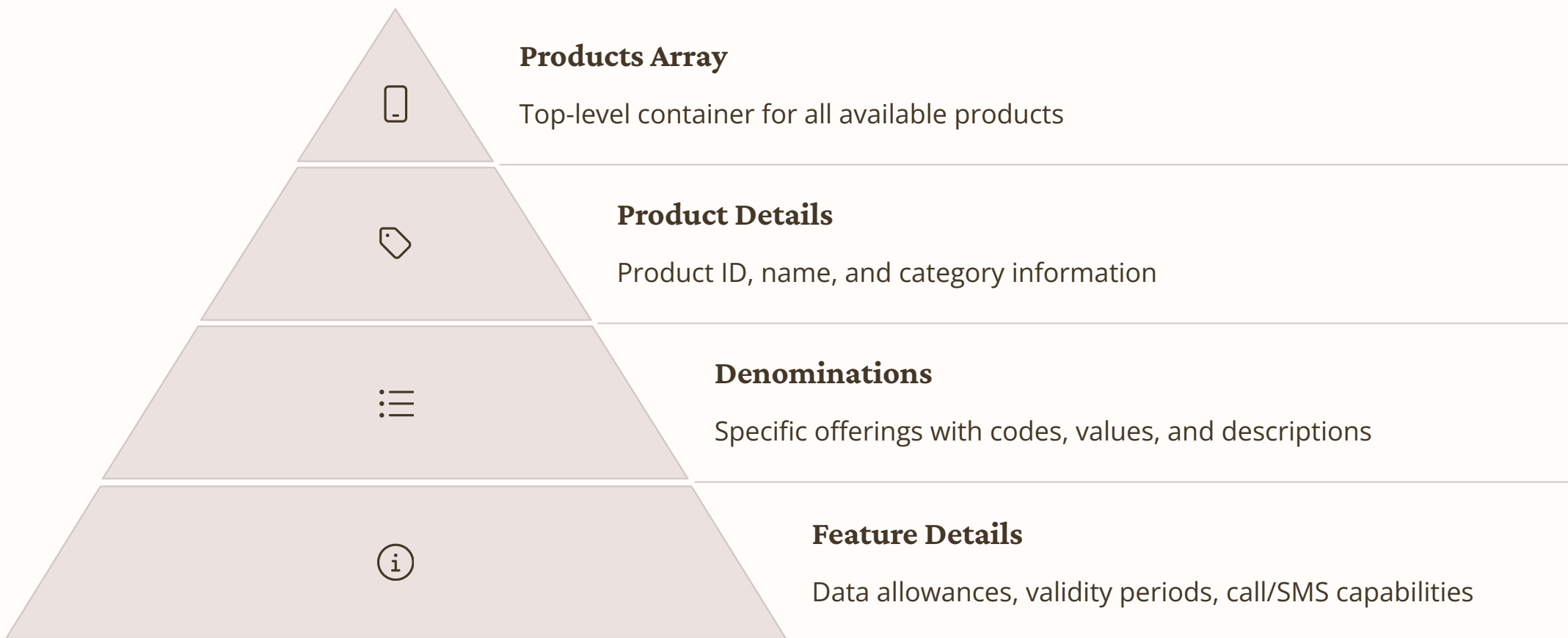
Parse the JSON response containing available products and their denominations for the specified country.

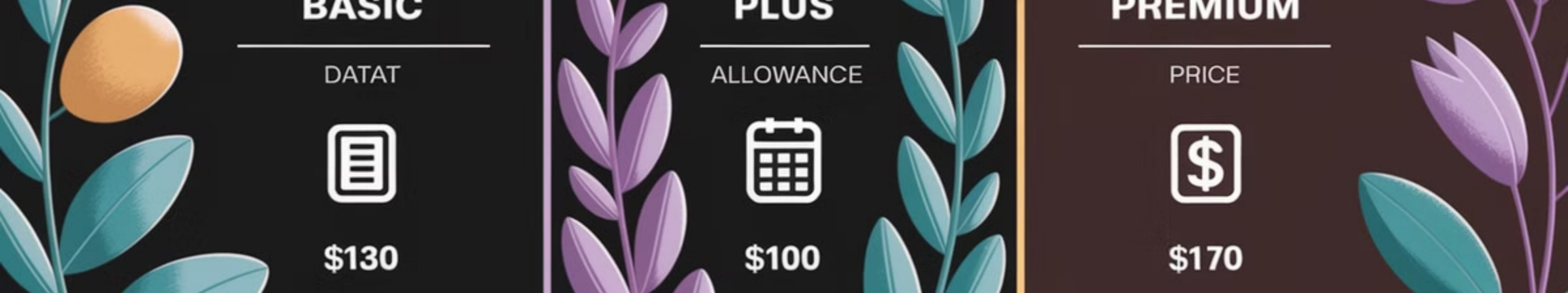
Handle Errors

Check for empty product arrays or HTTP 400 errors that indicate invalid country IDs.



Product List Response Structure





Product Denomination Details

Field	Description
denomcode	Unique identifier for the denomination
denomvalue	Price value of the denomination
denomdesc	Human-readable description
validity	Number of days the eSIM remains valid
dataDesc	Data allowance (e.g., "1GB", "5GB")
allowCalls	Whether voice calls are permitted
allowMessage	Whether SMS messaging is permitted



eSIM Purchase Process



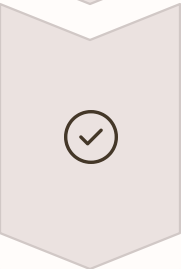
Prepare Purchase Request

Create a POST request with client ID, reference number, customer details, and desired eSIM denominations.



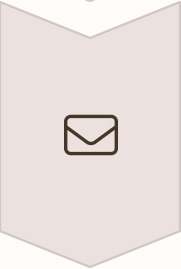
Submit Purchase

Send to: POST <https://localhost/EsimUK/Esim/GetEsim>



Process Response

Handle the response containing transaction status, remaining balance, and eSIM details if successful.



Deliver to Customer

Provide the activation code and PUK to the end customer for eSIM installation.

eSIM Purchase Request Format

Request Structure

The purchase request requires several key components:

- clientid: Your unique identifier provided by the service
- uniqueRefno: A transaction reference you generate
- Customer contact details (mobile and email)
- esimdenoms array with country and product selections

Example Request

```
{
  "clientid": "888888",
  "uniqueRefno": "28282828282",
  "mobilen": "9876543217",
  "emailid": "daniela@example.co.in",
  "esimdenoms": [
    {
      "Countryid": 1,
      "denominationcode": "WHoliday1GB",
      "quantity": 1
    }
  ]
}
```

eSIM Purchase Response

Success Response

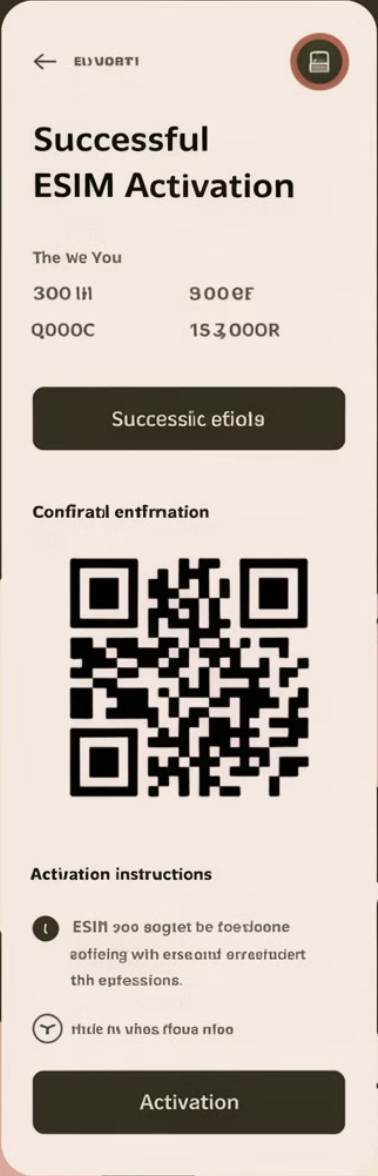
Status code 0 indicates a successful transaction, returning eSIM details including PUK, NSCE, activation code, and expiry date.

Balance Information

The response includes your updated account balance after the purchase, allowing for real-time financial tracking.

eSIM Product Details

Complete information about the purchased product, including country, product name, data allowance, and all technical details needed for activation.



eSIM Activation Details

Activation Code
Unique code for installing the eSIM profile

Expiry Date
Date when the eSIM service will terminate



PUK
Personal Unblocking Key for security

NSCE
Network Service Control Element identifier

Transaction Status Check



Prepare Status Request

Create a POST request with client ID and unique reference number

2

Submit Status Check

Send to: POST <https://localhost/EsimUK/Esim/GetEsimStatusCheck>



Process Status Response

Handle the detailed transaction information returned

Status Check Request Format

Request Parameters

The status check endpoint requires two key pieces of information:

- **clientid**: Your unique identifier provided by the service provider
- **paymentUniqueRefno**: The unique reference number of the transaction you want to check

This simple request allows you to retrieve comprehensive details about any transaction in your history.

Example Request

```
{  
  "clientid": "888888",  
  "paymentUniqueRefno": "28282828281"  
}
```

This POST request should be sent with the appropriate Authorization header containing your JWT token.



Status Check Response Details

	Transaction Status Status code and message indicating success or failure of the original transaction		Financial Details Account balance, billed amount, and total transaction value		eSIM Information Complete details of purchased eSIMs including activation codes and expiry dates		Customer Information Contact details provided in the original purchase request
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Error 404: File not found

1. Check the URL for typos.

Error Handling

0

Success

Transaction completed successfully

1004

Transaction Failed

Insufficient balance, invalid supplier details, or stock unavailability

1002

No Records

No transaction found with the provided reference number

400

Bad Request

Invalid parameters or malformed request structure

Common Error Scenarios



Insufficient Balance

Your account doesn't have enough funds to complete the purchase. Check your balance in the authentication response and top up if necessary.



Invalid Supplier Details

The system couldn't process the request due to issues with the supplier configuration. Contact support if this persists.



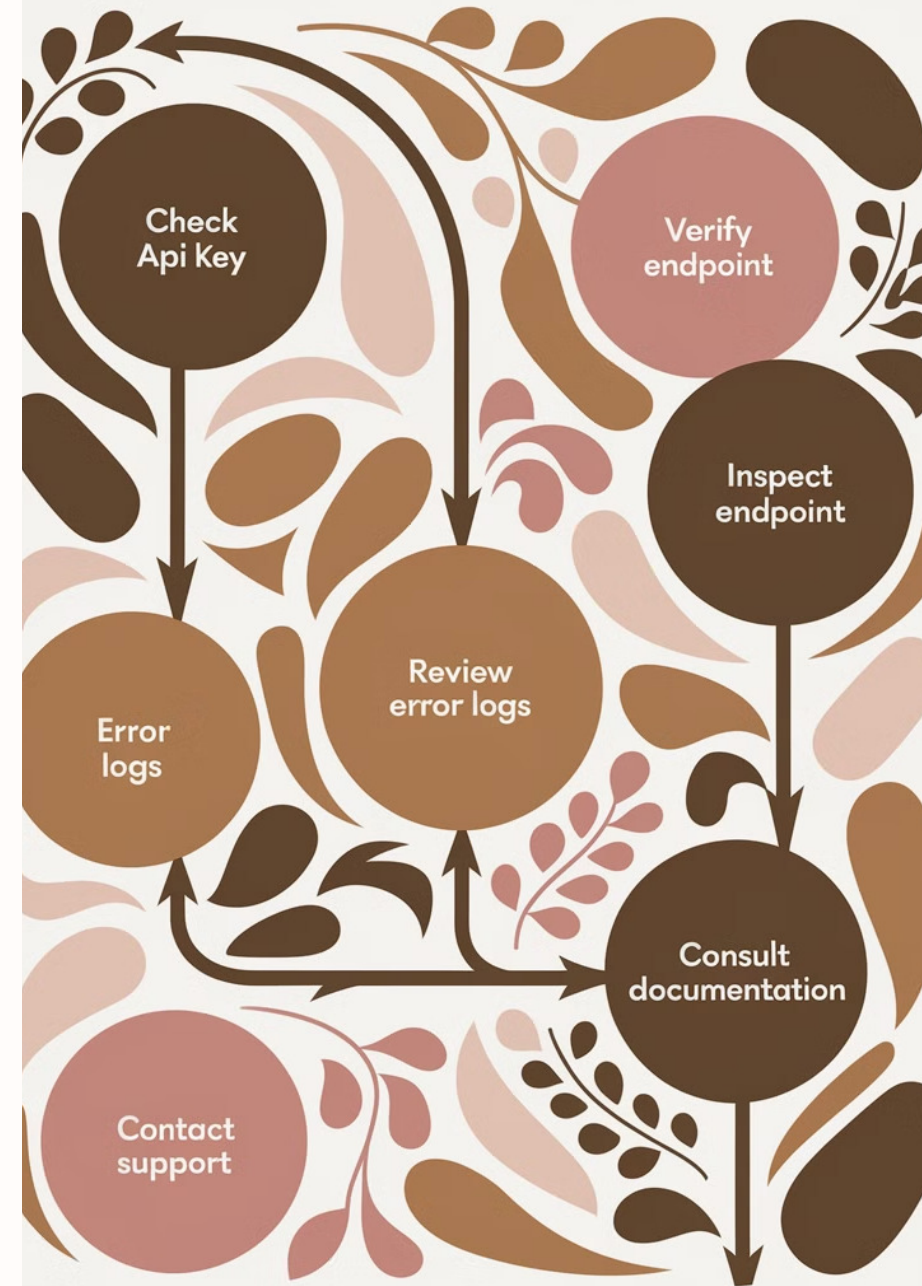
Invalid Country Details

The country ID provided doesn't match any available service areas. Verify using the country list endpoint.

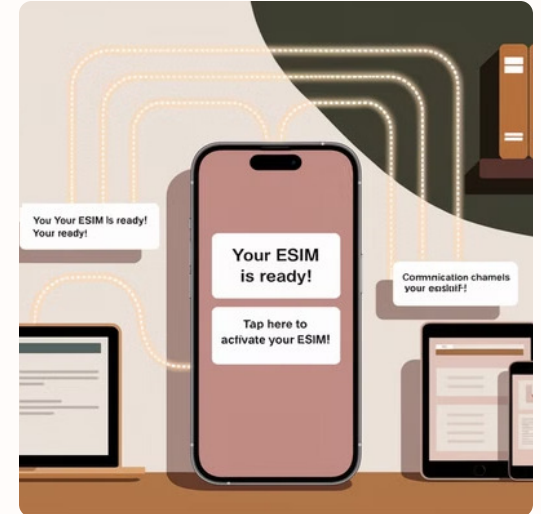
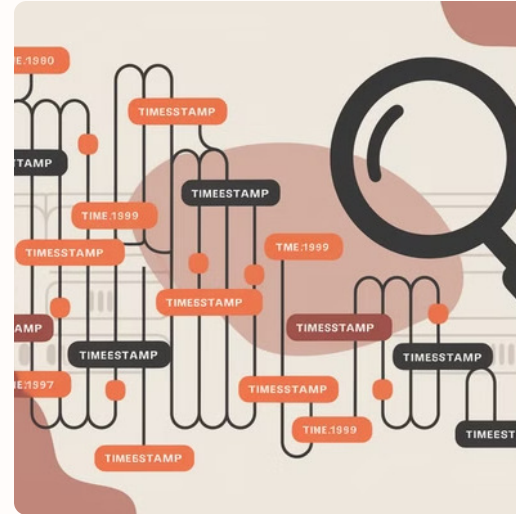
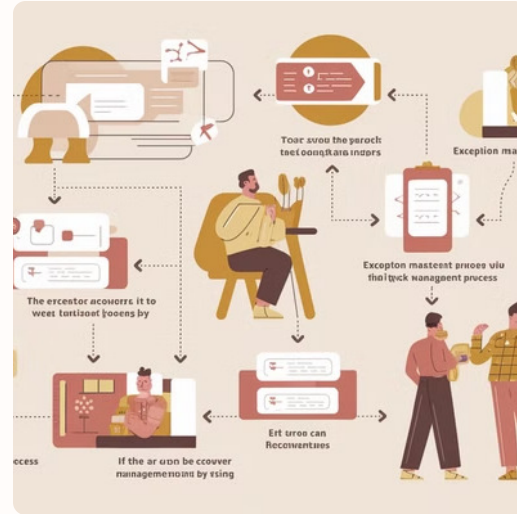
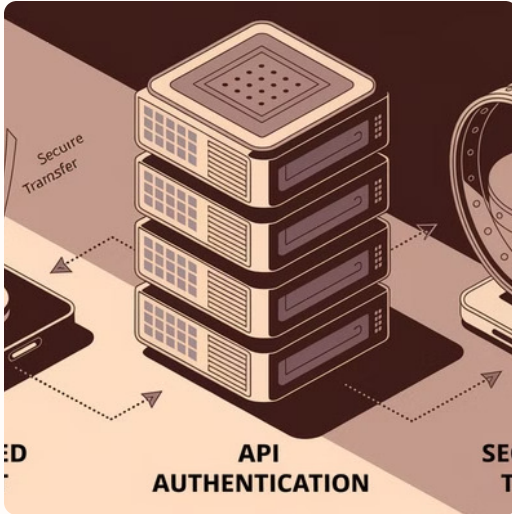


Stock Not Available

The requested eSIM product is currently out of stock. Try a different denomination or check back later.



Integration Best Practices



When integrating with the Holiday eSIM API, follow these best practices to ensure a smooth implementation:

- Store JWT tokens securely and implement proper token refresh mechanisms
- Generate unique reference numbers for each transaction to avoid duplicates
- Implement comprehensive error handling with appropriate user feedback
- Cache country and product lists to reduce API calls and improve performance
- Maintain detailed logs of all API interactions for troubleshooting