Vipps payment actions via eComm API

Overview

This tutorial will help you understand how the Vipps eComm API works and how to perform your first transaction through the Vipps eComm API with Verifone.

Prerequisites

Before making a transaction, you need:

- A Vipps Sandbox account
- To obtain an API key
- The Payment Provider Contract ID associated with your Vipps connection as part of your onboarding into Verifone Central.

Create a transaction

Make a POST request to `/transactions` endpoint. Here is an example of a payload:

```
{
"intent": "AUTHORIZE",
"paymentProviderContract": "YOUR_PAYMENT_PROVIDER_CONTRACT",
"amount": {
"value": 2700,
"currencyCode": "USD"
},
"customer": {
"email": "yourEmail@personal.example.com",
"payerId": "WDJJHEBZ4X2LY",
"phoneNumber": {
"phoneType": "MOBILE",
"value": "64646464"
},
"birthDate": "2000-01-31",
"identification": {
"taxIdentificationNumber": "123456",
"taxIdentificationType": "BR_CNPJ"
},
"address": {
"country": "IN",
"postalCode": "570023",
"countrySubdivision": "IN-MH",
"city": "yyy",
"addressLine1": "add1",
"addressLine2": "add2"
},
"firstName": "James",
"lastName": "Smith"
},
"applicationContext": {
"brandName": "MAHENDRA",
"locale": "he-IL",
"landingPage": "BILLING",
"returnUrl": "http://example.com/success",
"cancelUrl": "http://example.com/failure"
},
"shipping": {
"address": {
"country": "IN",
"postalCode": "91",
"countrySubdivision": "IN-MH",
"city": "mysore",
"addressLine1": "walstreet",
```

```
"addressLine2": "forcircle"
},
"fullName": "JamesSmith"
},
"items": [
{
"name": "Mac Laptop",
"unitAmount": {
"currencyCode": "USD",
"value": 100
},
"tax": {
"currencyCode": "USD",
"value": 100
},
"quantity": "1",
"description": "Dell Laptop",
"sku": "123",
"category": "PHYSICAL_GOODS"
},
{
"name": "Phone",
"unitAmount": {
"currencyCode": "USD",
"value": 100
},
"tax": {
"currencyCode": "USD",
"value": 100
},
"quantity": "10",
"description": "Apple phone",
"sku": "456",
"category": "PHYSICAL_GOODS"
},
{
"name": "Dell XPS 9310 13.4 FHD Display Thin & Light 11th Gen Laptop (i5-1135G7 / 8 GB / 512 SSD / Integrated
Graphics / 1Yr Premium",
"unitAmount": {
"currencyCode": "USD",
"value": 100
},
"tax": {
"currencyCode": "USD",
"value": 100
},
"quantity": "1",
"description": "groceries",
"sku": "456",
"category": "PHYSICAL_GOODS"
},
{
"name": "Samsung 6.5 kg Fully-Automatic Top Loading Washing Machine (WA65A4002VS/TL, Imperial Silver, Center Jet
Technology)",
"unitAmount": {
"currencyCode": "USD",
"value": 100
},
"tax": {
"currencyCode": "USD",
"value": 100
},
"quantity": "1",
"description": "product",
"sku": "456",
"category": "PHYSICAL_GOODS"
}
```

```
],
"dynamicDescriptor": "Vipps order DD123",
"merchantReference": "DD123-reference",
"detailedAmount": {
"discount": {
"currencyCode": "USD",
"value": 100
},
"shippingDiscount": {
"currencyCode": "USD",
"value": 100
},
"insurance": {
"currencyCode": "USD",
"value": 100
},
"handling": {
"currencyCode": "USD",
"value": 100
},
"shipping": {
"currencyCode": "USD",
"value": 100
}
}
}
```

Response example:

```
{
"id": "27241ae8-e72a-4586-9ef2-78dcb7a0ad9f",
"orderId": "4DD655383X489915V",
"createdAt": "2021-02-04T17:23:44Z",
"status": "INITIATED",
"approvalUrl": "https://www.sandbox.vipps.com/checkoutnow?token=4DD655383X489915V"
}
```

For details about the API reference and the request fields, you can review the Create Transaction API.

Approve the transaction

To approve the transactions, follow these steps:

1. Open the `approvalUrl` link from the previous API response in the browser to approve the transaction. This would open the Vipps portal and would show the login page.
2. Log in using your Vipps credentials and, after reviewing the transaction detail, approve the transaction.
3. After the approval, you are redirected to the returnUrl that was passed in the `applicationContext` while creating the transaction.
4. If you cancel the approval flow in between, then you would be redirected to the `cancelUrl`.

Authorize the transaction

Make a POST request to `/transactions/:id/authorize` for authorizing a transaction.

This step is only required if the intent is to authorize a transaction. If the intent is to capture a transaction, skip this step.

The ID parameter in the URL is the ID from the response of the `createTransaction` API call.

Capture a payment

1. Make a POST request to `/transactions/:id/capture` to capture a transaction payment.
2. Use the ID parameter from the response of the `createTransaction` API call as a request parameter.
3. If you want to capture the full transaction, then there is no need to send the amount in the request payload; instead, a *null* in the request body is to be sent.
4. However, if you want to capture a partial amount of the transaction, then you can send the `amount` object in the request payload as shown below:

```
{
"amount": {
"value": 50,
"currencyCode": "USD"
}
}
```