

PaymentPro API Documentation

Complete REST API Reference Guide - Sample

Getting Started

PaymentPro provides a powerful REST API for processing payments, managing customers, and handling transactions. This documentation covers authentication, core endpoints, and best practices for integration.

Base URL

```
https://api.paymentpro.com/v1
```

Authentication

PaymentPro uses API key authentication. Include your API key in the Authorization header:

```
Authorization: Bearer your_api_key_here
```

Core Endpoints

POST /payments

Create a new payment

Process a payment transaction with customer and payment method details.

Request Parameters

Parameter	Type	Required	Description
amount	integer	Yes	Payment amount in cents
currency	string	Yes	Three-letter ISO currency code
customer_id	string	Yes	Unique customer identifier
payment_method	object	Yes	Payment method details

Example Request

```
{ "amount": 2500, "currency": "usd", "customer_id": "cus_12345", "payment_method": { "type":
```

```
"card", "card": { "number": "4242424242424242", "exp_month": 12, "exp_year": 2025, "cvc": "123" }
}, "description": "Order #1001" }
```

GET /payments/{payment_id}

Retrieve payment details

Get comprehensive information about a specific payment transaction.

Example Response

```
{ "id": "pay_abc123", "amount": 2500, "currency": "usd", "status": "succeeded", "customer_id":
"cus_12345", "created_at": "2024-01-15T10:30:00Z", "description": "Order #1001" }
```

🔒 Security Best Practices

- **API Key Security:** Never expose API keys in client-side code
- **HTTPS Only:** All requests must use HTTPS encryption
- **Rate Limiting:** Implement appropriate rate limiting (max 100 requests/minute)
- **Webhook Verification:** Verify webhook signatures to ensure authenticity

🔪 Error Handling

PaymentPro uses conventional HTTP status codes and provides detailed error messages:

Status Code	Meaning	Description
200	Success	Request was successful
400	Bad Request	Invalid request parameters
401	Unauthorized	Invalid or missing API key
402	Payment Required	Card was declined

Example Error Response

```
{ "error": { "type": "card_error", "code": "card_declined", "message": "Your card was declined.",
"param": "payment_method" } }
```

SDK Integration

PaymentPro provides official SDKs for popular programming languages:

JavaScript/Node.js

```
npm install paymentpro-node const PaymentPro = require('paymentpro-node'); const paymentpro =  
new PaymentPro('your_api_key'); const payment = await paymentpro.payments.create({ amount: 2500,  
currency: 'usd', customer_id: 'cus_12345' });
```

Python

```
pip install paymentpro import paymentpro paymentpro.api_key = "your_api_key" payment =  
paymentpro.Payment.create( amount=2500, currency='usd', customer_id='cus_12345' )
```

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