

Payment service providers as eCommerce payment aggregators

In the digital age, where online shopping has become everyday life for millions of consumers around the world, eCommerce payments play a key role in shaping the shopping experience. Convenience and security are factors that influence purchasing decisions, and technological innovations make the payment process more and more complex and diverse.

ECommerce payment - what is it?

ECommerce payments are financial transactions carried out over the Internet that allow users to purchase for their shopping online. They include various payment methods such as:

- **Credit and debit cards** - the most popular payment method. It involves providing your payment card (e.g. Visa or Mastercard) details in the payment form issued by the payment gateway.



Card

enter your debit or credit card details

- **Electronic wallets** - services such as Apple Pay or Google Pay where card tokens generated for a specific card are returned to make a payment.



Google Pay

pay safely with any payment card



Apple Pay

secure card payments

- **Open banking** - direct transfers from your bank account.



BLIK

payment by code from your bank's application

- **Crypto** - an increasingly popular method, although less common. This is a way of making transactions in which digital currencies based on blockchain technology are used instead of traditional fiat currency (such as dollars, euros or zlotys), e.g. Bitcoin, Ethereum, Litecoin or Ripple

ECommerce payments place a strong emphasis on security and convenience to meet the needs of both sellers and consumers. Additionally, they often involve various security systems, such as SSL, to protect users' personal and financial information and to prevent them from frauds.

As this field develops, more and more eCommerce payment methods are being created, and therefore there is a need for entities to aggregate available payment options in one place and allow them to manage sensitive card data in the name of the merchants that are not PCI DSS compliant. Such an entity is the **Verestro Paytool**, a payment gateway and a payment service provider that supports above mentioned payment methods such as credit and debit cards, payment with Google Pay and Apple Pay wallets and payment using the BLIK code.

How does it work?

1. Selection of goods or services

- The customer selects the products or services he or she wants to buy and adds them to a shopping cart on the online store's website.

2. Moving to checkout

- After completing the purchase, the customer goes to the "checkout" section, where he or she enters his/her contact information, shipping address and chooses a payment method.

3. Choosing a payment method

- Online stores offer various payment methods, such as: Credit or debit card payments (Visa, Mastercard, etc.).
 - **Credit and debit cards** - the most popular payment method. It involves providing your payment card details in the payment form issued by the payment gateway.
 - **Electronic wallets** - services such as Apple Pay or Google Pay where card tokens generated for a specific card are returned to make a payment.
 - **Open banking** - direct transfers from your bank account.
 - **Crypto** - an increasingly popular method, although less common.

4. Payment authorization

- Depending on the payment method selected, the authorization process can be carried out in different ways:

- ## 5. Transaction security


- ## 6. Transfer of funds

- ## ECommerce payment flow using the Paytool payment service provider

ROZKŁAD PRACY

Shopping Continue

Shopping cart




Sports shoes

Air max 223


1

318.00 PLN




Choose payment method

☐




Pay by bank transfer

☐



Pay on delivery

☒



Verestro

PARTNER

Pay with Verestro Paytool

Summary

Subtotal

318.00 PLN

Shipping

0.00 PLN

Total (tax incl.)

329.00 PLN

329.00 PLN


Checkout →

Verestro Paytool chosen by the end user as payment method from the list of supported payment methods in the Customer application

Verestro

VERESTRO

SELECT YOUR LANGUAGE



Details of transaction

Merchant name

modakaryy.pl

Amount

329.00 PLN

Merchant website

modakaryy.pl

Transaction description

proszę o bilet 120x120 201-3402

Player


Jakub Wleński Kotyński

Powered by

Verestro


VERESTRO

Choose payment method:




BLIK

payment by code from your bank's application




Transfer

transfer your bank




Google Pay

pay safely with any payment card



Apple Pay

secure card payments



Card

enter your debit or credit card details

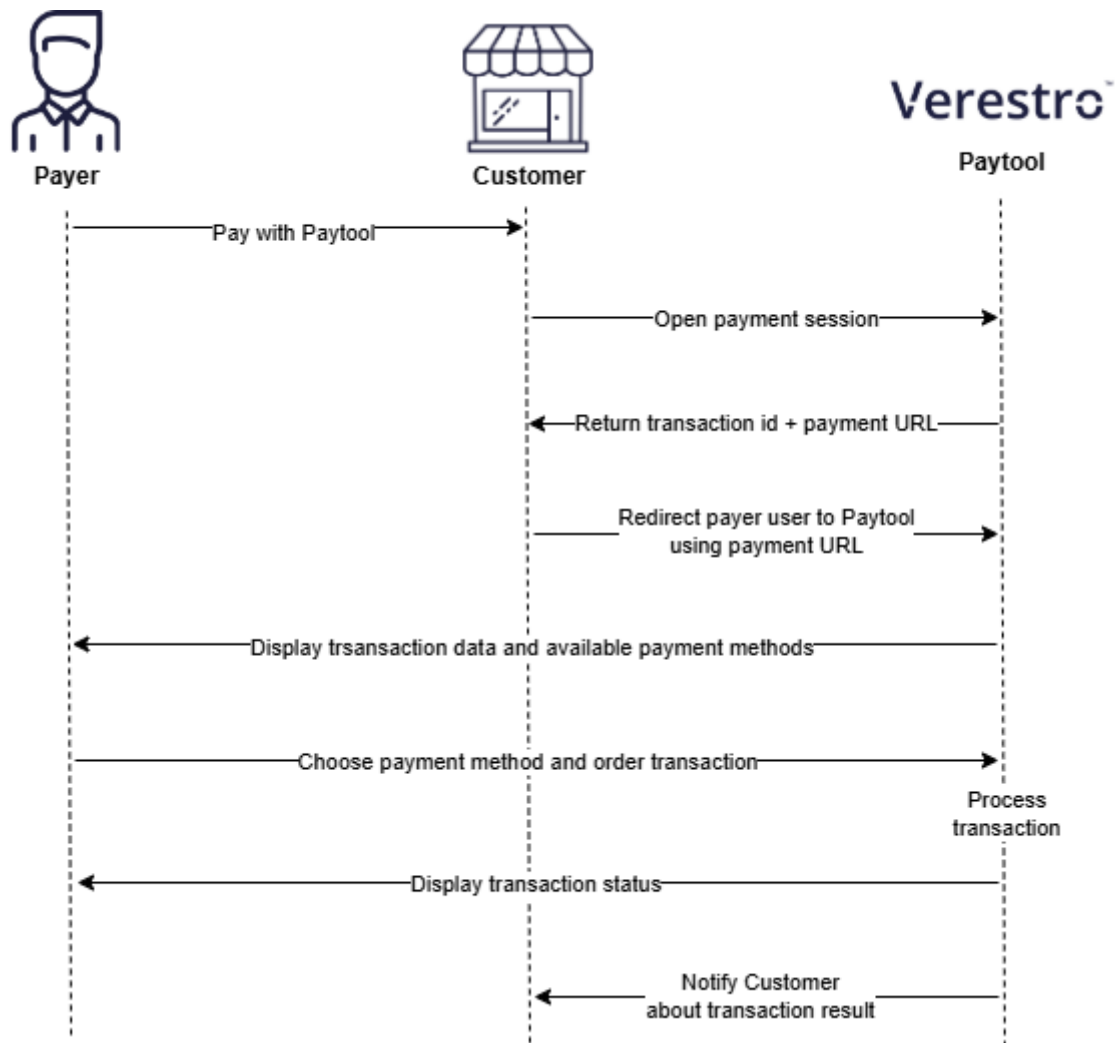
By paying, I accept the [terms and conditions](#) of the individual transaction and agree to execute it immediately.

The controller of personal data processed on this website is Ferage Spółka Akcyjna [read more](#)

Donor of the service: modakaryy.pl

The payment order is processed by Verestro SA

At the level of the view of the list with all available payment methods, the payment service provider - in this case the Verestro Paytool - is already responsible for the entire transaction. Regardless of which eCommerce payment method the payer chooses, the payment service provider must enable the payer to write out the card data or retrieve it from the mobile wallet (e.g. Google Pay, Apple Pay or Click to Pay), check the correctness of the data, perform payer and their card authentication (e.g. 3D Secure) or finally perform the transaction itself and inform the merchant and the payer about transaction final status.



How to integrate with the Verestro Paytool?

Leverage our quick and easy integration! Here you'll find instructions on how to integrate the Verestro Paytool solution: [How to integrate | Verestro Developer Zone](#). Before using this solution, you must complete the onboarding process and create an account in the Verestro Paytool system.

If you are interested in Verestro's payment gateway, visit our [website](#) and contact us.

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Revision #27

Created 9 October 2024 12:18:58 by Jakub Kotyński

Updated 14 January 2025 08:09:38 by Justyna Mazurek