

Agent API `{find-order}`

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This API method will be helpful to check the status of the cashier session. The session is limited to 15 minutes -or- at most one approved transaction within the session. However, the transaction may end up with pending status with more time taken for processing at a gateway side, presumably finished after the session timeout.

The `{find-order}` method returns the transaction details in the response if the transaction has the status other than `rejected`, unless the session has timed out and the latest rejected transaction details are returned.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/agent/find-order
Live	https://gateway.praxispay.com/agent/find-order

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

X - always appears as `null`

Variable	Type		Description
merchant_id	varchar(50)	✓	Merchant API client account identifier
application_key	varchar(32)	✓	Identifier of your application (website)
order_id	varchar(50)	✓	Transaction identifier in your system
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
customer	<Object>	?	Customer object . Appears as <code>null</code> for authentication/validation errors and expired session.
session	<Object>	?	Session object . Appears as <code>null</code> for authentication/validation errors and expired session.
transaction	<Object>	?	Transaction object . Appears as <code>null</code> for authentication/validation errors and expired session.
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "order_id": "test-1560610955",
  "version": "1.3",
  "timestamp": 1590613956
}
```

Response (Found)

```
{
  "status": 0,
  "description": "Ok",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "sale",
    "transaction_status": "approved",
    "trace_id": 756850,
    "transaction_id": "13397",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "charge_currency": "EUR",
    "charge_amount": 100,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "card": {
      "card_token": "J-4-a0vPhjZ9R75JP98VDUFggbh9y8sYr",
      "card_type": "VISA",
      "card_number": "411111*****1111",
      "card_exp": "12\2024",
      "card_issuer_name": "Bank of Somewhere",
      "card_issuer_country": "GB"
    },
    "wallet": null,
  }
}
```

```
"is_3d": 0,
"is_cascade": 0,
"cascade_level": 0,
"reference_id": 756850,
"withdrawal_request_id": 756853,
"account_identifier": null,
"created_by": "INTERNET",
"edited_by": "INTERNET",
"status_code": "SC-002",
"status_details": "Transaction approved"
},
"version": "1.3",
"timestamp": 1590611635
}
```

Response (Error)

```
{
  "status": 1,
  "description": "order_id: transaction not found",
  "transaction": null,
  "version": "1.3",
  "timestamp": 1590611635
}
```

Agent API `{find-transaction}`

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This API method will return the transaction in the same format as the notification that was sent with the last transaction status change.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/agent/find-transaction
Live	https://gateway.praxispay.com/agent/find-transaction

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

✗ - always appears as `null`

Variable	Type		Description
merchant_id	varchar(50)	✓	Merchant API client account identifier
application_key	varchar(32)	✓	Identifier of your application (website)
trace_id	int(11)		Praxis transaction identifier
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
customer	<Object>	?	Customer object . Appears as <code>null</code> for authentication/validation errors and expired session.
session	<Object>	?	Session object . Appears as <code>null</code> for authentication/validation errors and expired session.
transaction	<Object>	?	Transaction object . Appears as <code>null</code> for authentication/validation errors and expired session.
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "trace_id": 756850,
  "version": "1.3",
  "timestamp": 1590613956
}
```

Response (Found)

```
{
  "status": 0,
  "description": "Ok",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "sale",
    "transaction_status": "approved",
    "trace_id": 756850,
    "transaction_id": "13397",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "charge_currency": "EUR",
    "charge_amount": 100,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "card": {
      "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbb9y8sYr",
      "card_type": "VISA",
      "card_number": "411111*****1111",
      "card_exp": "12\2024",
      "card_issuer_name": "Bank of Somewhere",
      "card_issuer_country": "GB"
    },
    "wallet": null,
    "is_3d": 0,
    "is_cascade": 0,
    "cascade_level": 0,
  }
}
```

```
"reference_id": 756850,  
"withdrawal_request_id": 756853,  
"account_identifiers": null,  
"created_by": "INTERNET",  
"edited_by": "INTERNET",  
"status_code": "SC-002",  
"status_details": "Transaction approved"  
},  
"version": "1.3",  
"timestamp": 1590611635  
}
```

Response (Error)

```
{  
  "status": 1,  
  "description": "trace_id: transaction not found",  
  "transaction": null,  
  "version": "1.3",  
  "timestamp": 1590611635  
}
```

Agent API `{get-gateway-options}`

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This API method will be vital for [Direct API / APM](#) integration. By using `{get-gateway-options}` you can dynamically fetch all available payment methods as well as the details required to render the payment method forms to customers, for ex., the payment service names, icons and arbitrary details that should be submitted for processing with a certain e-wallet.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/agent/get-gateway-options
Live	https://gateway.praxispay.com/agent/get-gateway-options

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

× - always appears as `null`

Variable	Type		Description
merchant_id	varchar(50)	✓	Merchant API client account identifier
application_key	varchar(32)	✓	Identifier of your application (website)
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
gateway_options	List<Object>	?	List of gateway objects, where keys are gateway hash strings and values are actual data objects. Appears in all cases except the authentication/validation error, or application malfunction
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "version": "1.3",
  "timestamp": 1590613956
}
```

Response (Found)

```
{
  "status": 0,
  "description": "Ok",
  "gateway_options": [
    {
      "payment_method": "Credit Card",
      "payment_processor": "TestPP",
      "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
      "image": "",
      "input_fields": []
    },
    {
      "payment_method": "WireOnline",
      "payment_processor": "TestWallet",
      "gateway": "XkI4sCx0BpcXylpK3-7ycM39RLTAqsyt",
      "image": "",
      "input_fields": [
        {
          "key": "login",
          "label": "Login",
          "required": 1,
          "format": "text",
          "min": 0,
          "max": 50
        },
        {
          "key": "full_name",
          "label": "Full Name",
          "required": 0,
          "format": "text",
          "min": 0,
          "max": 50
        }
      ]
    }
  ],
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (No gateway options available)

```
{
  "status": 0,
  "description": "Ok",
  "gateway_options": [],
  "version": "1.3",
  "timestamp": 1590611635
}
```


Agent API `{manage-transaction}`

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`{manage-transaction}` API function is a tool to manage the existing transactions rather than initiate the new ones, including the control over the successful authorizations.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/agent/manage-transaction
Live	https://gateway.praxispay.com/agent/manage-transaction

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

✗ - always appears as `null`

Variable	Type		Description
<code>merchant_id</code>	<code>varchar(50)</code>	✓	Merchant API client account identifier
<code>application_key</code>	<code>varchar(32)</code>	✓	Identifier of your application (website)
<code>intent</code>	<code>varchar(32)</code>	✓	Action intended to be executed: - <code>capture-authorization</code> to capture the authorization - <code>cancel-authorization</code> to cancel the authorization
<code>trace_id</code>	<code>int(11)</code>	✓	Praxis transaction identifier
<code>version</code>	<code>varchar(3)</code>	✓	API version
<code>timestamp</code>	<code>int(11)</code>	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
<code>status</code>	<code>int</code>	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - <code>0</code> if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
<code>description</code>	<code>varchar(256)</code>	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
<code>transaction</code>	<code><Object></code>	?	Transaction object . Appears in all cases except the authentication/validation error, or application malfunction
<code>version</code>	<code>varchar(3)</code>	✓	API version
<code>timestamp</code>	<code>int(11)</code>	✓	Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "intent": "capture-authorization",
  "trace_id": 756850,
  "version": "1.3",
  "timestamp": 1590613956
}
```

Response (Approved)

```
{
  "status": 0,
  "description": "Ok",
  "redirect_url": null,
  "transaction": {
    "transaction_type": "authorization",
    "transaction_status": "approved",
    "order_id": "test-1560610955",
    "trace_id": 756850,
    "transaction_id": "13397",
    "currency": "USD",
    "amount": 100,
    "conversion_rate": 1.000000,
    "charge_currency": "USD",
    "charge_amount": 100,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "avs_alert": 0,
    "verification_alert": 0,
    "pin": "1",
    "card": {
      "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbb9y8sYr",
      "card_type": "VISA",
      "card_number": "411111*****1111",
      "card_exp": "12/2024",
      "card_issuer_name": "Bank of Somewhere",
      "card_issuer_country": "GB"
    },
  },
  "wallet": null,
  "is_3d": 0,
  "is_cascade": 0,
  "cascade_level": 0,
  "reference_id": 756850,
  "withdrawal_request_id": 756853,
  "account_identifier": null,
  "created_by": "INTERNET",
  "edited_by": "INTERNET",
  "status_code": "SC-002",
  "status_details": "Transaction approved",
  "variable1": "your variable",
  "variable2": "another variable",
  "variable3": "if that is not enough, you can pass even one more variable",
  "version": "1.3"
},
"version": "1.3",
"timestamp": 1590611635
}
```

Response (Rejected)

```
{
  "status": 0,
  "description": "Ok",
  "redirect_url": null,
  "transaction": {
    "transaction_type": "authorization",
    "transaction_status": "rejected",
    "order_id": "test-1560610955",
    "trace_id": 756853,
    "transaction_id": "13348",
    "currency": "USD",
    "amount": 100,
    "conversion_rate": 1.000000,
    "charge_currency": "USD",
    "charge_amount": 100,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "avs_alert": 0,
    "verification_alert": 0,
    "pin": "1",
    "card": null,
    "wallet": null,
    "is_3d": 0,
    "is_cascade": 0,
    "cascade_level": 0,
    "reference_id": 756850,
    "withdrawal_request_id": 756853,
    "account_identifier": null,
    "created_by": "INTERNET",
    "edited_by": "INTERNET",
    "status_code": "SC-003",
    "status_details": "Transaction rejected",
    "variable1": "your variable",
    "variable2": "another variable",
    "variable3": "if that is not enough, you can pass even one more variable",
    "version": "1.3"
  },
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Error)

```
{
  "status": 1,
  "description": "trace_id: transaction is not transaction_type=authorization",
  "redirect_url": null,
  "transaction": null,
  "version": "1.3",
  "timestamp": 1590611635
}
```

Cashier API {cashier}

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The section explains how to interact with Praxis API.

In some cases the customer activity within the Cashier requires the agent's interaction: payout request approval, finalizing (capture) of the authorized deposit transaction, etc.

Often it is critical for the business flow to interact with the customer in time, whereas it is not always possible for the agent to react instantly. For that purpose the CRM can call Praxis API functions in order to follow the same steps as the agent would do, so you will know that a certain action is taken instantly upon the customer's activity, with all the regulatory considerations.

IMPORTANT #1: Please make sure that you are using correct API version in order to use the features listed in this section.

IMPORTANT #2: To connect and use API you will be provided with the Merchant ID and Merchant Secret for secure communication.

Cashier session allows the customer to access the Cashier UI - an interface where the customer may choose one of the payment methods, offered according to the merchant's visibility rules, limits and priorities.

Upon sending the request to Cashier API, you receive json response that contains `redirect_url` parameter. The `redirect_url` parameter is a link that will automatically perform the customer login to Cashier.

This `redirect_url` value should be set as `src` attribute of an `iframe` within the payment page at the merchant website.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/cashier/cashier
Live	https://gateway.praxispay.com/cashier/cashier

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

X - always appears as `null`

Variable	Type		Description
<code>merchant_id</code>	<code>varchar(50)</code>	✓	Merchant API client account identifier
<code>application_key</code>	<code>varchar(32)</code>	✓	Identifier of your application (website)
<code>intent</code>	<code>varchar(32)</code>	✓	Action to be taken within the cashier. Allowed values are: <ul style="list-style-type: none">- <code>authorization</code> for authorization (hold) for the following capture- <code>payment</code> for payment transaction- <code>withdrawal</code> for withdrawal request
<code>currency</code>	<code>varchar(10)</code>	✓	Intended transaction currency
<code>amount</code>	<code>int(20)</code>	?	Intended transaction amount in cents (send <code>null</code> to let the customer decide). Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
<code>balance</code>	<code>int(20)</code>	?	Customer's withdrawable balance in cents. Can be used for automatic amount validation during the withdrawal request submission (send <code>null</code> to bypass the validation). Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
<code>pin</code>	<code>varchar(50)</code>	✓	Unique customer id in your system
<code>locale</code>	<code>varchar(5)</code>	✓	User locale. See locales reference for the full list of supported locales

Variable	Type		Description
customer_token	varchar(32)	?	HASH value of customer's identity
customer_data	<Object>	?	Customer data object
payment_method	varchar(50)	?	Payment method. The <code>gateway</code> will override this value if provided.
gateway	varchar(32)	?	Credit card gateway doing the processing
validation_url	varchar(256)	?	URL to which the pre-deposit validation will be sent
notification_url	varchar(256)	✓	URL to which the deposit status notification will be sent
return_url	varchar(256)	✓	User will be redirected to a specified URL (relevant for cashier login, virtual terminal, 3D Secure and E-Wallet login redirect)
order_id	varchar(50)	✓	Transaction identifier in your system
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
redirect_url	varchar(256)	?	Cashier login URL. Appears as <code>null</code> for authentication/validation errors and expired session.
customer	<Object>	?	Customer object . Appears as <code>null</code> for authentication/validation errors and expired session, also appears as <code>null</code> if not provided in the request and <code>pin</code> does not exist in the system yet.
session	<Object>	?	Session object . Appears as <code>null</code> for authentication/validation errors and expired session.
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "intent": "sale",
  "currency": "USD",
  "amount": 100,
  "pin": "1",
  "locale": "en-GB",
  "customer_token": null,
  "customer_data": {
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "dob": "12\31\1980",
    "email": "johnjohnson@example.com",
    "phone": "44201112222",
    "zip": "WC2N 5DU",
    "state": "JS",
    "city": "London",
    "address": "Random st., 12\3"
  },
  "payment_method": null,
  "gateway": null,
  "validation_url": null,
  "notification_url": "https://api.merchant.com/v1/deposits/tx-1560610955",
  "return_url": "https://merchant.com/payment_result/tx-1560610955",
  "order_id": "test-1560610955",
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Success)

```
{
  "status": 0,
  "description": "Ok",
  "redirect_url": "https://compute.praxispay.com/login/8a7sd87a8sd778ac961062c6bedddb8",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": 0
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "WireOnline",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Error)

```
{
  "status": 1,
  "description": "Application not found",
  "redirect_url": null,
  "customer": null,
  "session": null,
  "version": "1.3",
  "timestamp": 1590611635
}
```

```
<!DOCTYPE html>
<html>
<head>
  <title>Cashier</title>
  <!-- SANDBOX -->
  <!-- <script src="https://cdn-gateway.praxispay.com/sdk/praxis_cashier_sandbox.v1_3.js"></script> -->

  <!-- LIVE -->
  <script src="https://cdn-gateway.praxispay.com/sdk/praxis_cashier.v1_3.js"></script>
</head>

<body>
  <div id="cashier-block">
    <!-- Cashier will be rendered here -->
  </div>

  <script>
    const AUTH_TOKEN = '8a7sd87a8sd778ac961062c6bedddb8'; // auth_token received in response to API call
    const CONTAINER = document.getElementById('cashier-block'); // block where the cashier will be rendered

    let cashier = PraxisCashier({
      auth_token: AUTH_TOKEN,
      container: CONTAINER
    });

    cashier.on('resize', function(data) {
      console.log(data.height);
    });

    cashier.on('payment_method_chosen', function(data) {
      console.log(data.payment_method);
    });

    cashier.on('transaction', function(data) {
      console.log(data.trace_id);
      console.log(data.transaction_status);
      console.log(data.pin);
    });

    cashier.render();
  </script>
</body>
</html>
```


- [ENDPOINTS](#)
- [CHECKLIST](#)
- [REQUEST PARAMETERS](#)
- [RESPONSE PARAMETERS](#)
- [EXAMPLE](#)

`virtual-terminal` is the API function that allow you to open the checkout session on behalf of the customer.

Agent will be led through the process of paying an exact amount, in case of failure the manager will be helped to try with another payment option.

When executing the request, you receive json response that contains `redirect_url` parameter. The `redirect_url` parameter is a link that will automatically do the customer login to Cashier.

This link should be embedded into `iframe`'s `src` attribute

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/cashier/virtual-terminal
Live	https://gateway.praxispay.com/cashier/virtual-terminal

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

× - always appears as `null`

Variable	Type		Description
<code>merchant_id</code>	<code>varchar(50)</code>	✓	Merchant API client account identifier
<code>application_key</code>	<code>varchar(32)</code>	✓	Identifier of your application (website)
<code>intent</code>	<code>varchar(32)</code>	✓	Action to be taken within the cashier. Allowed values are: <ul style="list-style-type: none">- <code>authorization</code> for authorization (hold) for the following capture- <code>payment</code> for payment transaction- <code>withdrawal</code> for withdrawal request
<code>currency</code>	<code>varchar(10)</code>	✓	Intended transaction currency
<code>amount</code>	<code>int(20)</code>	?	Intended transaction amount in cents (send <code>null</code> to let the customer decide). Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
<code>balance</code>	<code>int(20)</code>	?	Customer's withdrawable balance in cents. Can be used for automatic amount validation during the withdrawal request submission (send <code>null</code> to bypass the validation). Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
<code>pin</code>	<code>varchar(50)</code>	✓	Unique customer id in your system
<code>locale</code>	<code>varchar(5)</code>	✓	User locale. See locales reference for the full list of supported locales
<code>customer_data</code>	<code><Object></code>	?	Customer object
<code>payment_method</code>	<code>varchar(50)</code>	?	Payment method. The <code>gateway</code> will override this value if provided.
<code>gateway</code>	<code>varchar(32)</code>	?	Credit card gateway doing the processing
<code>validation_url</code>	<code>varchar(256)</code>	?	URL to which the pre-deposit validation will be sent
<code>notification_url</code>	<code>varchar(256)</code>	✓	URL to which the deposit status notification will be sent

Variable	Type		Description
return_url	varchar(256)	✓	User will be redirected to a specified URL (relevant for cashier login, virtual terminal, 3D Secure and E-Wallet login redirect)
order_id	varchar(50)	✓	Transaction identifier in your system
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
customer	<Object>	?	Customer object . Appears as <code>null</code> for authentication/validation errors and expired session, also appears as <code>null</code> if not provided in the request and <code>pin</code> does not exist in the system yet.
session	<Object>	?	Session object . Appears as <code>null</code> for authentication/validation errors and expired session.
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "intent": "sale",
  "currency": "USD",
  "amount": 100,
  "pin": "1",
  "locale": "en-GB",
  "customer": {
    "pin": "1",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "dob": "12\31\1980",
    "email": "johnjohnson@example.com",
    "phone": "44201112222",
    "zip": "WC2N 5DU",
    "state": "JS",
    "city": "London",
    "address": "Random st., 12\3"
  },
  "payment_method": null,
  "gateway": null,
  "validation_url": null,
  "notification_url": "https://api.merchant.com/v1/deposits/tx-1560610955",
  "return_url": "https://merchant.com/payment_result/tx-1560610955",
  "order_id": "test-1560610955",
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Success)

```
{
  "status": 0,
  "description": "Ok",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": 0
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "WireOnline",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Error)

```
{
  "status": 1,
  "description": "Application not found",
  "redirect_url": null,
  "customer": null,
  "session": null,
  "version": "1.3",
  "timestamp": 1590611635
}
```

Direct API {apm}

- [ENDPOINTS](#)
- [REQUEST PARAMETERS](#)
- [RESPONSE PARAMETERS](#)
- [EXAMPLE](#)

Direct API lets you use a single integration to connect with a variety of e-wallets and online banking solutions. In few easy steps you will open a direct path for your customers to pay in most convenient way with their local payment solutions.

Currently Direct API offers the following APIs:

- {sale} lets you receive the card payments from customers;
- {payout} is a fund transfer from your merchant account to customer's wallet or bank account;

In addition, the following webhooks are available in order to stay up-to-date with the updates asynchronously:

- [Notification](#) will be triggered each time that the transaction status changes;

Direct API is a single integration to let your customers pay with a number of alternative payment methods directly. For that reason the API call for each payment method is slightly different: it has to consider the local personal ID or e-wallet payer identity, whichever is being used by a certain payment solution.

IMPORTANT #2: Either `wallet_data` or `wallet_token` must be present in the request.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/direct/apm
Live	https://gateway.praxispay.com/direct/apm

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

× - always appears as `null`

Variable	Type	auth	sale	payout	Description
merchant_id	varchar(50)	✓	✓	✓	Merchant API client account identifier
application_key	varchar(32)	✓	✓	✓	Identifier of your application (website)
transaction_type	varchar(32)	✓	✓	✓	Transaction type. Allowed values are: - <code>authorization</code> for authorization (allocate funds for later capture) - <code>sale</code> for payment - <code>payout</code> for payout (CFT)
currency	varchar(10)	✓	✓	✓	Transaction currency
amount	int(20)	✓	✓	✓	Transaction amount in cents. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
wallet_token	varchar(32)	?	?	?	HASH value of customer's e-wallet account details
wallet_data	<Object>	?	?	?	Wallet data object
pin	varchar(50)	✓	✓	✓	Unique customer id in your system
locale	varchar(5)	✓	✓	✓	User locale. See locales reference for the full list of supported locales
gateway	varchar(32)	?	?	✓	Credit card gateway doing the processing
notification_url	varchar(256)	✓	✓	✓	URL to which the deposit status notification will be sent
return_url	varchar(256)	✓	✓	✓	User will be redirected to a specified URL (relevant for cashier login, virtual terminal, 3D Secure and E-Wallet login redirect)

Variable	Type	auth	sale	payout	Description
order_id	varchar(50)	✓	✓	✓	Transaction identifier in your system
reference_id	int(11)	×	×	×	In case of refund, this value specifies the ID of transaction to be refunded
withdrawal_request_id	int(11)	×	×	?	Original transaction identifier from Praxis. Send the <code>trace_id</code> of withdrawal request if you want the payout amount to be deducted from withdrawal request as processed
version	varchar(3)	✓	✓	✓	API version
timestamp	int(11)	✓	✓	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type	Description
status	int	✓ API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓ Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
redirect_url	varchar(256)	? 3D Secure verification URL or e-wallet login URL. Appears only in combination with <code>"transaction_status": "initialized"</code>
customer	<Object>	? Customer object . Appears as <code>null</code> for authentication/validation errors and expired session.
session	<Object>	? Session object . Appears as <code>null</code> for authentication/validation errors and expired session.
transaction	<Object>	? Transaction object . Appears as <code>null</code> for authentication/validation errors and expired session.
version	varchar(3)	✓ API version
timestamp	int(11)	✓ Response time (unix timestamp, seconds)

EXAMPLE

For example below: Merchant Secret = "MerchantSecretKey"

Request

```

{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "transaction_type": "sale",
  "currency": "EUR",
  "amount": 100,
  "wallet_token": null,
  "wallet_data": {
    "full_name": "John Johnson",
    "bank_account": "11112222333344",
    "bank_name": "Random Bank, London",
    "bank_code": "AABCC",
    "iban": "GB999911112222333344"
  },
  "pin": "1",
  "locale": "en-GB",
  "gateway": "XkI4sCx0BpcXylpK3-7ycM39RLTAqsyt",
  "notification_url": "https://api.merchant.com/v1/deposits/tx-1560610955",
  "return_url": "https://merchant.com/payment_result/tx-1560610955",
  "order_id": "test-1560610955",
  "reference_id": "null",
  "withdrawal_request_id": null,
  "version": "1.3",
  "timestamp": 1590611635
}

```

Response (Async)

```

{
  "status": 0,
  "description": "Ok",
  "redirect_url": "https://compute.praxispay.com/login/8a7sd87a8sd778ac961062c6bedddb8",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": null,
    "first_name": null,
    "last_name": null,
    "avs_alert": null,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "WireOnline",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "sale",
    "transaction_status": "initialized",
    "trace_id": 756850,
    "transaction_id": "13348",
    "currency": "EUR",
    "amount": 100,

```

```

"conversion_rate": null,
"processed_currency": null,
"processed_amount": null,
"fee": 0,
"payment_method": "WireOnline",
"payment_processor": "TestWallet",
"gateway": "XkI4sCxOBpcXylpK3-7ycM39RLTAqsyT",
"card": null,
"wallet": {
  "wallet_token": "wxtDmu8trYHrMwnpoBsEoq6YxqNxAsP-",
  "wallet_data": {
    "full_name": "John Johnson",
    "bank_account": "11112222333344",
    "bank_name": "Random Bank, London",
    "bank_code": "AABBCC",
    "iban": "GB999911112222333344"
  }
},
"is_3d": 0,
"is_cascade": 0,
"cascade_level": 0,
"reference_id": null,
"withdrawal_request_id": null,
"account_identifier": null,
"created_by": "INTERNET",
"edited_by": "INTERNET",
"status_code": "SC-001",
"status_details": "Redirect to acquirer page"
},
"version": "1.3",
"timestamp": 1590611635
}

```

Response (Approved)

```

{
  "status": 0,
  "description": "Ok",
  "redirect_url": null,
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": null,
    "first_name": null,
    "last_name": null,
    "avs_alert": null,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "WireOnline",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {

```



```
transaction": {
  "transaction_type": "sale",
  "transaction_status": "approved",
  "trace_id": 756850,
  "transaction_id": "13348",
  "currency": "EUR",
  "amount": 100,
  "conversion_rate": 1.000000,
  "processed_currency": "EUR",
  "processed_amount": 100,
  "fee": 0,
  "payment_method": "WireOnline",
  "payment_processor": "TestWallet",
  "gateway": "XkI4sCxOBpcXy1pK3-7ycM39RLTAqsyt",
  "card": null,
  "wallet": {
    "wallet_token": "wxtDmu8trYHrMMwnpoBsEoq6YxqNxAsP-",
    "wallet_data": {
      "full_name": "John Johnson",
      "bank_account": "11112222333344",
      "bank_name": "Random Bank, London",
      "bank_code": "AABBCC",
      "iban": "GB999911112222333344"
    }
  },
  "is_3d": 0,
  "is_cascade": 0,
  "cascade_level": 0,
  "reference_id": null,
  "withdrawal_request_id": null,
  "account_identifier": null,
  "created_by": "INTERNET",
  "edited_by": "INTERNET",
  "status_code": "SC-002",
  "status_details": "Transaction approved"
},
"version": "1.3",
"timestamp": 1590611635
}
```

Response (Rejected)

```

{
  "status": 0,
  "description": "Ok",
  "redirect_url": null,
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": null,
    "first_name": null,
    "last_name": null,
    "avs_alert": null,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "WireOnline",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "sale",
    "transaction_status": "rejected",
    "trace_id": 756850,
    "transaction_id": "13348",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": null,
    "processed_currency": null,
    "processed_amount": null,
    "fee": 0,
    "payment_method": "WireOnline",
    "payment_processor": "TestWallet",
    "gateway": "XkI4sCx0BpcXylpK3-7ycM39RLTAqsyt",
    "card": null,
    "wallet": null,
    "is_3d": 0,
    "is_cascade": 0,
    "cascade_level": 0,
    "reference_id": null,
    "withdrawal_request_id": null,
    "account_identifier": null,
    "created_by": "INTERNET",
    "edited_by": "INTERNET",
    "status_code": "GE-001",
    "status_details": "Do not honor"
  },
  "version": "1.3",
  "timestamp": 1590611635,
  "signature": "64c181094246006b2c22d63cf9fa95e2cdf5ba4d1c78a2c981448af5bffeae627a3633891292a935290a7b804a06eb"
}

```

Response (Error)

```
{  
  "status": 1,  
  "description": "amount: exceeds limit",  
  "redirect_url": null,  
  "customer": null,  
  "session": null,  
  "transaction": null,  
  "version": "1.3",  
  "timestamp": 1590611635  
}
```

Direct API {card}

- [ENDPOINTS](#)
- [REQUEST PARAMETERS](#)
- [RESPONSE PARAMETERS](#)
- [EXAMPLE](#)

Payment Card Processing API lets you process the credit and debit card deposits and payouts over REST API. In simple words, with this API the merchant will perform the card data collection on his side.

There are several transaction types supported by the API:

- {authorization} lets you receive the card payments from customers;
- {sale} lets you receive the card payments from customers;
- {payout} is a fund transfer from your merchant account to customer's card; successful deposit;

In addition, the following webhooks are available in order to stay up-to-date with the updates asynchronously:

- [Notification](#) will be triggered each time that the transaction status changes;

IMPORTANT #1: In order to use the Payment API with full credit card details the merchant has to comply with PCI DSS and confirm their compliance level by providing the up-to-date AOC (Attestation of Compliance) document or SAQ-D with external vulnerability scan report.

IMPORTANT #2: The `customer_data` or `customer_token` must be present in the request.

IMPORTANT #2: The `card_data` (see minimal verified card data) must be added to the request even if the `card_token` is present.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/direct/card
Live	https://gateway.praxispay.com/direct/card

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

✗ - always appears as `null`

Variable	Type	auth	sale	payout	Description
merchant_id	varchar(50)	✓	✓	✓	Merchant API client account identifier
application_key	varchar(32)	✓	✓	✓	Identifier of your application (website)
transaction_type	varchar(32)	✓	✓	✓	Transaction type. Allowed values are: - <code>authorization</code> for authorization (allocate funds for later capture) - <code>sale</code> for payment - <code>payout</code> for payout (CFT)
currency	varchar(10)	✓	✓	✓	Transaction currency
amount	int(20)	✓	✓	✓	Transaction amount in cents. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
card_token	varchar(32)	?	?	?	HASH value of customer's card
card_data	<Object>	✓	✓	✓	Card data object
device_data	<Object>	?	?	?	Device data object
pin	varchar(50)	✓	✓	✓	Unique customer id in your system

Variable	Type	auth	sale	payout	Description
locale	varchar(5)	✓	✓	✓	User locale. See locales reference for the full list of supported locales
customer_token	varchar(32)	?	?	?	HASH value of customer's identity
customer_data	<Object>	?	?	?	Customer data object
gateway	varchar(32)	?	?	✓	Credit card gateway doing the processing
notification_url	varchar(256)	✓	✓	✓	URL to which the deposit status notification will be sent
return_url	varchar(256)	✓	✓	✓	User will be redirected to a specified URL (relevant for cashier login, virtual terminal, 3D Secure and E-Wallet login redirect)
order_id	varchar(50)	✓	✓	✓	Transaction identifier in your system
reference_id	int(11)	×	×	×	In case of refund, this value specifies the ID of transaction to be refunded
withdrawal_request_id	int(11)	×	×	?	Original transaction identifier from Praxis. Send the <code>trace_id</code> of withdrawal request if you want the payout amount to be deducted from withdrawal request as processed
version	varchar(3)	✓	✓	✓	API version
timestamp	int(11)	✓	✓	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type	Description
status	int	✓ API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓ Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
redirect_url	varchar(256)	? 3D Secure verification URL or e-wallet login URL. Appears only in combination with <code>"transaction_status": "initialized"</code>
customer	<Object>	? Customer object . Appears as <code>null</code> for authentication/validation errors and expired session.
session	<Object>	? Session object . Appears as <code>null</code> for authentication/validation errors and expired session.
transaction	<Object>	? Transaction object . Appears as <code>null</code> for authentication/validation errors and expired session.
version	varchar(3)	✓ API version
timestamp	int(11)	✓ Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "transaction_type": "sale",
  "currency": "EUR",
  "amount": 100,
  "card_token": null,
  "card_data": {
    "card_number": "4111111111111111",
    "card_exp": "12\2028",
    "cvv": "111"
  },
  "device_data": {
    "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_5) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.1.1 Safari
    "accept_header": "text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8",
    "language": "en-us",
    "ip_address": "127.0.0.1",
    "timezone_offset": -180,
    "color_depth": 24,
    "screen_height": 900,
    "screen_width": 1440,
    "java_enabled": 0
  },
  "pin": "1",
  "locale": "en-GB",
  "customer_token": null,
  "customer_data": {
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "dob": "12\31\1980",
    "email": "johnjohnson@example.com",
    "phone": "44201112222",
    "zip": "WC2N 5DU",
    "state": "JS",
    "city": "London",
    "address": "Random st., 12\3",
    "profile": 1
  },
  "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
  "notification_url": "https://api.merchant.com/v1/deposits/tx-1560610955",
  "return_url": "https://merchant.com/payment_result/tx-1560610955",
  "order_id": "test-1560610955",
  "reference_id": "null",
  "withdrawal_request_id": null,
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (3D Secure)

```
{
  "status": 0,
  "description": "Ok",
  "redirect_url": "https://compute.praxispay.com/login/8a7sd87a8sd778ac961062c6bedddb8",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": 0
  },
}
```

```

"session": {
  "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
  "intent": "payment",
  "session_status": "created",
  "order_id": "test-1560610955",
  "currency": "EUR",
  "amount": 100,
  "conversion_rate": 1.000000,
  "processed_currency": "EUR",
  "processed_amount": 100,
  "payment_method": "Credit Card",
  "gateway": null,
  "pin": "1",
  "variable1": "your variable",
  "variable2": "if that is not enough, you can pass even one more variable",
  "variable3": null
},
"transaction": {
  "transaction_type": "sale",
  "transaction_status": "initialized",
  "trace_id": 756850,
  "transaction_id": "13348",
  "currency": "EUR",
  "amount": 100,
  "conversion_rate": null,
  "processed_currency": null,
  "processed_amount": null,
  "fee": 0,
  "payment_method": "Credit Card",
  "payment_processor": "TestPP",
  "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
  "card": {
    "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbb9y8sYr",
    "card_type": "VISA",
    "card_number": "411111*****1111",
    "card_exp": "12\2024",
    "card_issuer_name": "Bank of Somewhere",
    "card_issuer_country": "GB"
  },
  "wallet": null,
  "is_async": 1,
  "is_cascade": 0,
  "cascade_level": 0,
  "reference_id": null,
  "withdrawal_request_id": null,
  "account_identifier": null,
  "created_by": "INTERNET",
  "edited_by": "INTERNET",
  "status_code": "SC-001",
  "status_details": "Redirect to acquirer page"
},
"version": "1.3",
"timestamp": 1590611635
}

```

Response (Approved)

```

{
  "status": 0,
  "description": "Ok",
  "redirect_url": null,
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",

```

```

    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": 0
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "sale",
    "transaction_status": "approved",
    "trace_id": 756850,
    "transaction_id": "13348",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "card": {
      "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbh9y8sYr",
      "card_type": "VISA",
      "card_number": "411111*****1111",
      "card_exp": "12\2024",
      "card_issuer_name": "Bank of Somewhere",
      "card_issuer_country": "GB"
    },
    "wallet": null,
    "is_async": 0,
    "is_cascade": 0,
    "cascade_level": 0,
    "reference_id": null,
    "withdrawal_request_id": null,
    "account_identifier": null,
    "created_by": "INTERNET",
    "edited_by": "INTERNET",
    "status_code": "SC-002",
    "status_details": "Transaction approved"
  },
  "version": "1.3",
  "timestamp": 1590611635
}

```

Response (Rejected)


```

{
  "status": 0,
  "description": "Ok",
  "redirect_url": null,
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": 0
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "sale",
    "transaction_status": "rejected",
    "trace_id": 756850,
    "transaction_id": "13348",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": null,
    "processed_currency": null,
    "processed_amount": null,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "card": null,
    "wallet": null,
    "is_async": 0,
    "is_cascade": 0,
    "cascade_level": 0,
    "reference_id": null,
    "withdrawal_request_id": null,
    "account_identifier": null,
    "created_by": "INTERNET",
    "edited_by": "INTERNET",
    "status_code": "GE-001",
    "status_details": "Do not honor"
  },
  "version": "1.3",
  "timestamp": 1590611635
}

```

Response (Error)

```
{  
  "status": 1,  
  "description": "card_number: Unknown card type",  
  "redirect_url": null,  
  "customer": null,  
  "session": null,  
  "transaction": null,  
  "version": "1.3",  
  "timestamp": 1590611635  
}
```

Direct API `{refund}`

- [ENDPOINTS](#)
- [REQUEST PARAMETERS](#)
- [RESPONSE PARAMETERS](#)
- [EXAMPLE](#)

`{refund}` API function lets you refund the approved deposit transaction. The refund will be a new transaction sent to the same PSP as the one used for the original deposit transaction in order to send the same amount back to customer's account.

IMPORTANT #1: The original referenced transaction (see `reference_id` request parameter) has to be a deposit having the `approved` status.

IMPORTANT #2: Please make sure that the PSP supports the refund transaction type. If the refund amount is different from the original deposit amount, you will also need to confirm that the PSP supports the partial refunds.

ENDPOINTS

Name	URL
Sandbox	https://gateway.cashier-test.com/direct/refund
Live	https://gateway.praxispay.com/direct/refund

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

× - always appears as `null`

Variable	Type		Description
<code>merchant_id</code>	<code>varchar(50)</code>	✓	Merchant API client account identifier
<code>application_key</code>	<code>varchar(32)</code>	✓	Identifier of your application (website)
<code>transaction_type</code>	<code>varchar(32)</code>	✓	Transaction type <code>refund</code>
<code>currency</code>	<code>varchar(10)</code>	✓	Transaction currency
<code>amount</code>	<code>int(20)</code>	✓	Transaction amount in cents. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
<code>locale</code>	<code>varchar(5)</code>	✓	User locale. See locales reference for the full list of supported locales
<code>order_id</code>	<code>varchar(50)</code>	✓	Transaction identifier in your system
<code>reference_id</code>	<code>int(11)</code>	✓	This value specifies the ID of transaction to be refunded
<code>withdrawal_request_id</code>	<code>int(11)</code>	?	Original transaction identifier from Praxis. Send the <code>trace_id</code> of withdrawal request if you want the payout amount to be deducted from withdrawal request as processed
<code>version</code>	<code>varchar(3)</code>	✓	API version
<code>timestamp</code>	<code>int(11)</code>	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type	Description
----------	------	-------------

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to transaction.transaction.status - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
customer	<Object>	?	Customer object . Appears as <code>null</code> for authentication/validation errors and expired session.
session	<Object>	?	Session object . Appears as <code>null</code> for authentication/validation errors and expired session.
transaction	<Object>	?	Transaction object . Appears as <code>null</code> for authentication/validation errors and expired session.
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Request

```
{
  "application_key": "Sandbox",
  "merchant_id": "Test-Integration-Merchant",
  "transaction_type": "refund",
  "currency": "EUR",
  "amount": 100,
  "locale": "en-GB",
  "order_id": "test-1560610955",
  "reference_id": 756850,
  "withdrawal_request_id": 756853,
  "version": "1.3",
  "timestamp": 1590613956
}
```

Response (Approved)

```
{
  "status": 0,
  "description": "Ok",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "withdrawal",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
  }
}
```

```
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "refund",
    "transaction_status": "approved",
    "trace_id": 756853,
    "transaction_id": "13397",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "card": {
      "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbb9y8sYr",
      "card_type": "VISA",
      "card_number": "411111*****1111",
      "card_exp": "12\2024",
      "card_issuer_name": "Bank of Somewhere",
      "card_issuer_country": "GB"
    },
    "wallet": null,
    "is_async": 0,
    "is_cascade": 0,
    "cascade_level": 0,
    "reference_id": 756850,
    "withdrawal_request_id": 756853,
    "account_identifier": null,
    "created_by": "INTERNET",
    "edited_by": "INTERNET",
    "status_code": "SC-002",
    "status_details": "Transaction approved"
  },
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Rejected)

```

{
  "status": 0,
  "description": "Ok",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "withdrawal",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "refund",
    "transaction_status": "rejected",
    "trace_id": 756853,
    "transaction_id": "13348",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": null,
    "processed_currency": null,
    "processed_amount": null,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "card": null,
    "wallet": null,
    "is_async": 0,
    "is_cascade": 0,
    "cascade_level": 0,
    "reference_id": 756850,
    "withdrawal_request_id": 756853,
    "account_identifier": null,
    "created_by": "INTERNET",
    "edited_by": "INTERNET",
    "status_code": "GE-001",
    "status_details": "Do not honor"
  },
  "version": "1.3",
  "timestamp": 1590611635
}

```

Response (Error)

```
{
  "status": 1,
  "description": "reference_id: referenced transaction must have transaction_type=sale",
  "customer": null,
  "session": null,
  "transaction": null,
  "version": "1.3",
  "timestamp": 1590611635
}
```

Objects Card

- [STRUCTURE](#)
- [EXAMPLE](#)

The **card** object represents the card details having the sensitive information masked. The **card** object appears within the transaction object as a part of the card transaction notification.

IMPORTANT: Card data from the `card` object can be stored by the merchants and does not require the PCI DSS compliance from the merchant. The tokenized card format does not have any restrictions, except for the general privacy and confidentiality principles.

STRUCTURE

- ✓ - required **value**
- ? - optional, **value** or `null`
- ✗ - always appears as `null`

Variable	Type		Description
card_token	varchar(32)	✓	HASH value of customer's card
card_type	varchar(10)	?	Customer card type (AMEX, DinersClub, Discover, Electron, JCB, Maestro, MasterCard, Mir, VISA)
card_number	varchar(19)	✓	Customer card number (4444 44** **** 1233)
card_exp	varchar(8)	✓	Customer card exp (10/2023)
card_issuer_name	varchar(32)	?	Customer card issuing bank name
card_issuer_country	varchar(2)	?	Customer card issuing bank country

EXAMPLE

```
{
  "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbh9y8sYr",
  "card_type": "VISA",
  "card_number": "411111*****1111",
  "card_exp": "12\2024",
  "card_issuer_name": "Random Bank, London",
  "card_issuer_country": "GB"
}
```


Objects Card Data

- [STRUCTURE](#)
- [EXAMPLE](#)

The **card data** object represents the authorization details - the minimal required information to perform the online payments. The card is considered as verified in case if it has at least one successful authorization in our records.

IMPORTANT: In order to collect, store and/or transfer the card details over API the merchant needs to be compliant with PCI DSS.

STRUCTURE

- ✓ - required **value**
- ? - optional, **value** or **null**
- × - always appears as **null**

Variable	Type	New Card	Verified Card	Description
card_number	varchar(19)	✓	×	Customer card number (4444333322221111)
card_exp	varchar(8)	✓	×	Customer card exp (10/2023)
cvv	varchar(4)	✓	✓	Customer card CVV

EXAMPLE

```
{
  "card_number": "4444333322221111",
  "card_exp": "12\2024",
  "cvv": "023"
}
```

Objects Customer

- [STRUCTURE](#)
- [EXAMPLE](#)

The customer representation in our entries.

STRUCTURE

✓ - required **value**

? - optional, **value** or **null**

× - always appears as **null**

Variable	Type		Description
customer_token	varchar(32)	✓	HASH value of customer's identity
country	varchar(2)	?	ISO 3166-1 alpha-2 country code (US, MT, IT, GB, DE etc.)
first_name	varchar(25)	?	Customer's first name
last_name	varchar(25)	?	Customer's last name
avs_alert	int	?	Address verification status - 0 for Address Verification System pass - 1 for Address Verification System failure
verification_alert	int	?	Customer verification status (fraud monitor) - 0 if no alert has been detected for customer - 1 if fraud alert is detected - -1 if review by the merchant is required

EXAMPLE

```
{
  "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
  "country": "GB",
  "first_name": "John",
  "last_name": "Johnson",
  "avs_alert": 0,
  "verification_alert": null
}
```

- [STRUCTURE](#)
- [EXAMPLE](#)

The device data (device fingerprint) is important for 3DSv2 (advanced 3D Secure verification flow). If you do consider processing the credit card payments over [Direct API](#) then you are highly recommended to add the device data to your requests.

STRUCTURE

✓ - required **value**

? - optional, **value** or **null**

× - always appears as **null**

Variable	Type		Description
user_agent	varchar(256)	✓	"User-Agent" header (browser version)
accept_header	varchar(50)	✓	"Accept" header of the client's browser
language	varchar(50)	✓	"Accept-Language" header of the client's browser
ip_address	varchar(50)	✓	Client IP address
timezone_offset	int(10)	✓	UTC offset in minutes
color_depth	varchar(50)	✓	Color depth capability of the client's device screen
screen_height	int(10)	✓	Height of the client's device screen
screen_width	int(10)	✓	Width of the client's device screen
java_enabled	int(1)	✓	Java support within the client's browser window

EXAMPLE

```
{
  "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_5) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.1.1 Safari/605.1.15",
  "accept_header": "text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8",
  "language": "en-us",
  "ip_address": "127.0.0.1",
  "timezone_offset": -180,
  "color_depth": 24,
  "screen_height": 900,
  "screen_width": 1440,
  "java_enabled": 0
}
```

Objects Gateway

- [STRUCTURE](#)
- [EXAMPLE](#)

The gateway structure defines the descriptor of the processing gateway.

STRUCTURE

✓ - required **value**

? - optional, **value** or **null**

× - always appears as **null**

Variable	Type		Description
payment_method	varchar(50)	✓	Payment method
payment_processor	varchar(50)	✓	Payment processor
gateway	varchar(32)	✓	HASH value of gateway that should processed transaction
image	varchar(512)	✓	URL of an image corresponding to the payment method
input_fields	List<Object>	✓	List of input_field objects, representing the data input fields to be rendered for the full data set required for successful processing. The value may be an empty list if no additional fields are required.

EXAMPLE

```
{
  "payment_method": "WireOnline",
  "payment_processor": "TestWallet",
  "gateway": "XkI4sCx0BpcXy1pK3-7ycM39RLTAqsy",
  "image": "",
  "input_fields": [
    {
      "key": "login",
      "label": "Login",
      "description": null,
      "required": 1,
      "format": "text",
      "min": 0,
      "max": 50
    },
    {
      "key": "full_name",
      "label": "Full Name",
      "description": "Your full name",
      "required": 0,
      "format": "text",
      "min": 0,
      "max": 50
    }
  ]
}
```

- [STRUCTURE](#)
- [EXAMPLE](#)

The gateway input field structure defined the descriptor of an input field presented to customer, or data format to be sent over API.

STRUCTURE

- ✓ - required **value**
- ? - optional, **value** or `null`
- ✗ - always appears as `null`

Variable	Type		Description
key	varchar(32)	✓	The parameter name as it appears in JSON
label	varchar(50)	✓	Label for the input
description	varchar(256)	?	Hint text or extended field description
required	int(1)	✓	Whether the field is required
format	varchar(32)	✓	The field format. Possible values are: <code>integer</code> , <code>text</code> , <code>email</code> , <code>phone</code> , <code>url</code>
min	int(10)	✓	Minimal value (<code>integer</code>) or minimal length (all other formats)
max	int(10)	✓	Maximal value (<code>integer</code>) or maximal length (all other formats)

EXAMPLE

```
{
  "key": "full_name",
  "label": "Full Name",
  "description": "Your full name",
  "required": 0,
  "format": "text",
  "min": 0,
  "max": 50
}
```

- [STRUCTURE](#)
- [EXAMPLE](#)

STRUCTURE

✓ - required **value**
 ? - optional, **value** or `null`
 X - always appears as `null`

Variable	Type	authorization	payment	withdrawal	Description
auth_token	varchar(32)	✓	✓	✓	Session authentication token. In case of error will be <code>null</code>
intent	varchar(32)	✓	✓	✓	Action to be taken within the cashier. Allowed values are: - <code>authorization</code> for authorization (hold) for the following capture - <code>payment</code> for payment transaction - <code>withdrawal</code> for withdrawal request
session_status	varchar(16)	✓	✓	✓	Session status will change along with processing. Possible values are: <code>open</code> (customer action expected), <code>expired</code> (closed with intent not fulfilled), <code>action required</code> (approval or processing by manager expected), <code>successful</code> (closed with expected result).
order_id	varchar(50)	✓	✓	✓	Transaction identifier in your system
currency	varchar(3)	✓	✓	✓	Session currency
amount	int(20)	?	?	?	Amount in cents to be processed within the session, <code>null</code> if left for customer to decide within the Cashier. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
processed_currency	varchar(3)	✓	✓	✓	Actual currency processed
processed_amount	int(20)	✓	✓	✓	Amount (in actual processing currency) in cents. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
payment_method	varchar(50)	?	?	?	Predefined payment method. Appears as <code>null</code> if not specified while opening the session.
gateway	varchar(32)	?	?	?	Predefined processing gateway. Appears as <code>null</code> if not specified while opening the session.
pin	varchar(50)	✓	✓	✓	Unique customer id in your system
variable1	varchar(256)	?	?	?	Your custom field to tag the transaction with some necessary information
variable2	varchar(256)	?	?	?	Your custom field to tag the transaction with some necessary information
variable3	varchar(256)	?	?	?	Your custom field to tag the transaction with some necessary information

EXAMPLE

```
{
  "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
  "intent": "payment",
  "session_status": "created",
  "order_id": "test-1560610955",
  "currency": "EUR",
  "amount": 100,
  "conversion_rate": 1.000000,
  "processed_currency": "EUR",
  "processed_amount": 100,
  "payment_method": "Credit Card",
  "gateway": null,
  "pin": "1",
  "variable1": "your variable",
  "variable2": "if that is not enough, you can pass even one more variable",
  "variable3": null
}
```

- [STRUCTURE](#)
- [EXAMPLE](#)

STRUCTURE

✓ - required **value**

? - optional, **value** or `null`

✗ - always appears as `null`

Variable	Type	auth (card)	sale (card)	payout (card)	refund (card)	auth (ew)	sale (ew)	payout (ew)	refund (ew)	Description
transaction_type	varchar(16)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction type. Allowed values are: authorization (authorization and capture) sale (deposit) payout (withdrawal) refund (return deposit funds)
transaction_status	varchar(16)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction status will change along with processing. Details can be found at transaction flow
trace_id	int(11)	✓	✓	✓	✓	✓	✓	✓	✓	Praxis transaction identifier
transaction_id	varchar(50)	✓	✓	?	✓	✓	✓	?	✓	PSP transaction identifier
currency	varchar(3)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction currency
amount	int(20)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction amount in cents. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
conversion_rate	decimal(16,6)	?	?	?	?	?	?	?	?	Conversion rate between currency and processed_currency applied during conversion from amount to processed_amount. Applies to successful transactions. The value is calculated as $\frac{1}{\text{processed_currency} / \text{currency}} = \text{conversion_rate}$
processed_currency	varchar(3)	?	?	?	?	?	?	?	?	Actual currency processed. Applies to successful transactions.

Variable	Type	auth (card)	sale (card)	payout (card)	refund (card)	auth (ew)	sale (ew)	payout (ew)	refund (ew)	Description
processed_amount	int(20)	?	?	?	?	?	?	?	?	Amount (in actual processing currency) in cents. Applies to successful transactions. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
fee	int(20)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction fee based on the gateway settings
payment_method	varchar(50)	✓	✓	✓	✓	✓	✓	✓	✓	Payment method
payment_processor	varchar(50)	✓	✓	✓	✓	✓	✓	✓	✓	Payment processor
gateway	varchar(32)	✓	✓	✓	✓	✓	✓	✓	✓	HASH value of gateway that should processed transaction
card	<Object>	✓	✓	✓	✓	✗	✗	✗	✗	Tokenized card object
wallet	<Object>	✗	✗	✗	✗	✓	✓	✓	✓	Tokenized wallet object
is_3d	int	✓	✓	✗	✗	✗	✗	✗	✗	Credit card - indicates if the transaction processing involves the 3D Secure verification - 0 for synchronous flow (non-3D Secure) - 1 for asynchronous flow (3D Secure)
is_cascade	int(1)	✓	✓	✗	✗	✗	✗	✗	✗	Shows whether a transaction is processed with first attempt (0) or upon cascade (1)
cascade_level	int(2)	✓	✓	✗	✗	✗	✗	✗	✗	Transaction retry number (in case of soft decline or network/application error during communication with PSP)
reference_id	int(11)	✗	✗	✗	✓	✗	✗	✗	✓	In case of refund, this value specifies the ID of transaction to be refunded
withdrawal_request_id	int(11)	✗	✗	?	?	✗	✗	?	?	Original transaction identifier from Praxis. Use the <code>trace_id</code> of withdrawal request as <code>withddrawal_request_id</code> within the <code>payout</code> or <code>refund</code> if you want the payout amount to be deducted from withdrawal request as processed

Variable	Type	auth (card)	sale (card)	payout (card)	refund (card)	auth (ew)	sale (ew)	payout (ew)	refund (ew)	Description
created_by	varchar(50)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction initiator. Customer's activity is reflected with <code>INTERNET</code> , otherwise equals the name of the compliance or support agent
edited_by	varchar(50)	?	?	?	?	?	?	?	?	Transaction modified by. Customer's activity is reflected with <code>INTERNET</code> , otherwise equals the name of the compliance or support agent
status_code	varchar(32)	✓	✓	✓	✓	✓	✓	✓	✓	Processing status code (including processing and error codes)
status_details	varchar(256)	✓	✓	✓	✓	✓	✓	✓	✓	Verbal description of the processing status

EXAMPLE

```
{
  "transaction_type": "sale",
  "transaction_status": "approved",
  "trace_id": 756850,
  "transaction_id": "13348",
  "currency": "EUR",
  "amount": 100,
  "conversion_rate": 1.000000,
  "processed_currency": "EUR",
  "processed_amount": 100,
  "fee": 0,
  "payment_method": "Credit Card",
  "payment_processor": "TestPP",
  "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
  "card": {
    "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbh9y8sYr",
    "card_type": "VISA",
    "card_number": "411111*****1111",
    "card_exp": "12\2024",
    "card_issuer_name": "Bank of Somewhere",
    "card_issuer_country": "GB"
  },
  "wallet": null,
  "is_3d": 1,
  "is_cascade": 0,
  "cascade_level": 0,
  "reference_id": null,
  "withdrawal_request_id": null,
  "created_by": "INTERNET",
  "edited_by": "INTERNET",
  "status_code": "SC-002",
  "status_details": "Transaction approved"
}
```

Objects Transaction Attempt

- [STRUCTURE](#)
- [EXAMPLE](#)

STRUCTURE

- ✓ - required **value**
- ? - optional, **value** or `null`
- × - always appears as `null`

Variable	Type	auth (card)	sale (card)	payout (card)	refund (card)	auth (ew)	sale (ew)	payout (ew)	refund (ew)	Description
intent	varchar(16)	✓	✓	✓	✓	✓	✓	✓	✓	Intended transaction type. Allowed values are: authorization (authorization and capture) sale (deposit) payout (withdrawal) refund (return deposit funds)
currency	varchar(3)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction currency
amount	int(20)	✓	✓	✓	✓	✓	✓	✓	✓	Transaction amount in cents. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
conversion_rate	decimal(16,6)	?	?	?	?	?	?	?	?	Conversion rate between <code>currency</code> and <code>processed_currency</code> applied during conversion from <code>amount</code> to <code>processed_amount</code> . Applies to successful transactions. The value is calculated as $\frac{1}{\text{processed_currency} / 1 \text{ currency}} = \text{conversion_rate}$
attempted_currency	varchar(3)	?	?	?	?	?	?	?	?	Actual currency selected for processing
attempted_amount	int(20)	?	?	?	?	?	?	?	?	Amount (in selected processing currency) in cents. Please note: for certain currencies (see full list here) there is a fraction other than 100 cents per unit, this is important if you multiply by 100 to send the amount in cents
payment_method	varchar(50)	✓	✓	✓	✓	✓	✓	✓	✓	Payment method
card	<Object>	✓	✓	✓	✓	×	×	×	×	Tokenized card object

Variable	Type	auth (card)	sale (card)	payout (card)	refund (card)	auth (ew)	sale (ew)	payout (ew)	refund (ew)	Description
wallet	<Object>	×	×	×	×	✓	✓	✓	✓	Tokenized wallet object
withdrawal_request_id	int(11)	×	×	?	?	×	×	?	?	Original transaction identifier from Praxis. Use the <code>trace_id</code> of withdrawal request as <code>withddrawal_request_id</code> within the <code>payout</code> or <code>refund</code> if you want the payout amount to be deducted from withdrawal request as processed

EXAMPLE

```

{
  "intent": "sale",
  "currency": "EUR",
  "amount": 100,
  "conversion_rate": 1.000000,
  "attempted_currency": "EUR",
  "attempted_amount": 100,
  "payment_method": "Credit Card",
  "card": {
    "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbh9y8sYr",
    "card_type": "VISA",
    "card_number": "411111*****1111",
    "card_exp": "12\2024",
    "card_issuer_name": "Bank of Somewhere",
    "card_issuer_country": "GB"
  },
  "wallet": null,
  "withdrawal_request_id": null
}

```

Objects Wallet

- [STRUCTURE](#)
- [EXAMPLE](#)

STRUCTURE

✓ - required **value**

? - optional, **value** or null

X - always appears as null

Variable	Type		Description
wallet_token	varchar(32)	✓	HASH value of customer's e-wallet account details
account_identifier	varchar(256)	✓	Customer account ID at PSP (e-wallet login or bank account)
data	Generic object	?	Customer data related to wallet

EXAMPLE

```
{
  "wallet_token": "wxtDmu8trYHrMwnpoBsEq6YxqNxAsP-",
  "account_identifier": "11112222333344",
  "data": {
    "some_variable_1": "some_value_1",
    "some_variable_2": "some_value_2"
  }
}
```

- [STRUCTURE](#)
- [EXAMPLE](#)
- [PAYMENT METHODS](#)

STRUCTURE

- ✓ - required **value**
- ? - optional, **value** or `null`
- ✗ - always appears as `null`

Variable	Type	Description
<Object>	<Object>	Generic wallet data object. The object structure differs through e-wallets and bank accounts

EXAMPLE

```
{
  "full_name": "John Johnson",
  "bank_account": "11112222333344",
  "bank_name": "Random Bank, London",
  "bank_code": "AABBCC",
  "iban": "GB999911112222333344"
}
```

PAYMENT METHODS

Following in an example **dummy wallet** data format

Variable	Type	Description
wallet_data.login	varchar(50)	Required. Login as specified in the e-wallet account

```
{
  "login": "johnjohnson1"
}
```

Following in an example **dummy bank account** data format

Variable	Type	Description
wallet_data.full_name	varchar(50)	Required. Full name as registered in the bank
wallet_data.bank_account	varchar(32)	Required. Customer's bank account number
wallet_data.bank_name	varchar(32)	Required. Customer's bank name
wallet_data.bank_code	varchar(32)	Required. Customer's bank code
wallet_data.iban	varchar(32)	Required. Customer's IBAN

```
{  
  "full_name": "John Johnson",  
  "bank_account": "11112222333344",  
  "bank_name": "Random Bank, London",  
  "bank_code": "AABBCC",  
  "iban": "GB999911112222333344"  
}
```

- [REQUEST PARAMETERS](#)
- [RESPONSE PARAMETERS](#)
- [EXAMPLE](#)

Customer Sync is the mechanism that allows the agent to manage the customers, their deposits and payouts within Praxis Virtual Terminal.

When the agent attempts to access the virtual terminal for customer, Praxis Backoffice will attempt to retrieve the customer details from CRM. In order to have the retrieval working, the CRM will need to implement the API callback that will be available to receive the request from Praxis and respond with the customer details.

IMPORTANT: Please make sure that you have provided the callback URL to Praxis technical support representative before you attempt to use Virtual Terminal.

REQUEST PARAMETERS

Variable	Type	Description
merchant_id	varchar(50)	Required. Merchant API client account identifier
application_key	varchar(50)	Required. Cashier Application key, normally it is a common name of the website. Linked to a specific base currency.
pin	varchar(50)	Required. Unique customer id in your system
timestamp	int(11)	Required. Request time. URL will be active during 1 min after this time
version	varchar(3)	Required. API version

RESPONSE PARAMETERS

Variable	Type	Description
status	int	✓ API communication status - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓ Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
customer_data	<Object>	? Customer object. Appears as null in case of authentication/validation error.
version	varchar(3)	✓ API version
timestamp	int(11)	✓ Response time (unix timestamp, seconds)

EXAMPLE

Request

```
curl -X POST \ https://api.merchant.com/v1/sync/ \
-H 'Content-Type: application/json' \
-d '{
  "application_key": "Praxis TEST USD",
  "merchant_id": "Test-Integration-Merchant",
  "pin": "123",
  "timestamp": 1561206408,
  "version": "1.2",
  "signature": "01df06c501fe74ddede3c3dafef3f2cbfcef3c19c2c213962017a7e83321f392e03eb55e0753a4a23b4405980bdbb3c962"
}'
```

Response (OK)


```
{
  "status":0,
  "description":"OK",
  "customer_data":{
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "dob": "12\31\1980",
    "email": "johnjohnson@example.com",
    "phone": "44201112222",
    "zip": "WC2N 5DU",
    "state": "JS",
    "city": "London",
    "address": "Random st., 12\3",
    "profile": 1
  },
  "version":"1.2",
  "timestamp":1561279426
}
```

Response (ERR)

```
{
  "status":1,
  "description":"Customer not found",
  "customer_data":null,
  "version":"1.2",
  "timestamp":1561207146
}
```

Webhooks Notification

- [REQUEST PARAMETERS](#)
- [RESPONSE PARAMETERS](#)
- [EXAMPLE](#)

Notification request is sent to the merchant's website or CRM each time that a transaction status has been changed asynchronously. Each transaction and cashier login is initiated with `notification_url` parameter, which is further used as destination URL for notifications.

You can also set the notification URL within the merchant dashboard in the application configuration interface. If set, it will be used for the "offline" notifications - transactions initiated within the merchant dashboard.

IMPORTANT: In case if your API response contains `"status": -1` or responds in unrecognized format, the notification will be resent automatically within approximately 5 minutes.

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

✗ - always appears as `null`

Variable	Type		Description
merchant_id	varchar(50)	✓	Merchant API client account identifier
application_key	varchar(32)	✓	Identifier of your application (website)
customer	<Object>	✓	Customer object
session	<Object>	✓	Session object
transaction	<Object>	?	Transaction object . Appears as <code>null</code> in case of expired session.
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Incoming Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction": {
    "transaction_type": "sale",
    "transaction_status": "approved",
    "trace_id": 756850,
    "transaction_id": "13348",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "fee": 0,
    "payment_method": "Credit Card",
    "payment_processor": "TestPP",
    "gateway": "s-pTSZyK23E1Ee5KZpcNbX_aF10HuhQ0",
    "card": {
      "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbb9y8sYr",
      "card_type": "VISA",
      "card_number": "411111*****1111",
      "card_exp": "12/2024",
      "card_issuer_name": "Bank of Somewhere",
      "card_issuer_country": "GB"
    },
    "wallet": null,
    "is_async": 0,
    "is_cascade": 0,
    "cascade_level": 0,
    "reference_id": null,
    "withdrawal_request_id": null,
    "created_by": "INTERNET",
    "edited_by": "INTERNET",
    "status_code": "SC-002",
    "status_details": "Transaction approved"
  },
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Success)

```
{
  "status": 0,
  "description": "Ok",
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Error)

```
{
  "status": 1,
  "description": "Transaction already updated manually at the website to final status",
  "version": "1.3",
  "timestamp": 1590611635
}
```

- [CUSTOMER DATA CONDITIONS](#)
- [TRANSACTION DATA CONDITIONS](#)

Upon successful deposit the customer sees the deposit summary page. After the deposit, the “Continue” button will be at the bottom of the summary page, by clicking on which the client will be redirected to the specified URL.

Available customer data conditions:

Condition	Description	Example
<code>{{customer.pin}}</code>	Unique customer id in your system	<code>https://yoursite.com/success/{{customer.pin}}</code>
<code>{{customer.first_name}}</code>	The name of the user who conducted the transaction	<code>https://yoursite.com/success/{{customer.first_name}}</code>
<code>{{customer.last_name}}</code>	Last name of the user who conducted the transaction	<code>https://yoursite.com/success/{{customer.last_name}}</code>
<code>{{customer.dob}}</code>	DOB of the user who conducted the transaction	<code>https://yoursite.com/success/{{customer.dob}}</code>

User data is taken from the data that is sent to us when initializing `init` methods (API 1.2).

Available transaction data conditions:

Condition	Description	Example
<code>{{transaction.transaction_type}}</code>	Transaction Type deposit or payout	<code>https://yoursite.com/success/{{transaction.transaction_type}}</code>
<code>{{transaction.transaction_status}}</code>	Current Transaction Status (<code>pending</code> , <code>approved</code> , <code>decline</code>)	<code>https://yoursite.com/success/{{transaction.transaction_status}}</code>
<code>{{transaction.transaction_id}}</code>	Transaction ID in your CRM	<code>https://yoursite.com/success/{{transaction.transaction_id}}</code>
<code>{{transaction.trace_id}}</code>	Transaction ID in our system	<code>https://yoursite.com/success/{{transaction.trace_id}}</code>
<code>{{transaction.order_id}}</code>	A value referencing a unique order id within your shopping cart system. This value will be referenced within the cashier for payment attempts. (<code>init-checkout</code> , <code>init-pay-out-order</code>)	<code>https://yoursite.com/success/{{transaction.order_id}}</code>
<code>{{transaction.amount}}</code>	Amount of funds	<code>https://yoursite.com/success/{{transaction.amount}}</code>
<code>{{transaction.currency}}</code>	Transaction currency	<code>https://yoursite.com/success/{{transaction.currency}}</code>
<code>{{transaction.payment_method}}</code>	Payment Method Transactions (Visa, MasterCard, Skrill ...)	<code>https://yoursite.com/success/{{transaction.payment_method}}</code>
<code>{{transaction.payment_processor}}</code>	Payment processor that processes the transaction	<code>https://yoursite.com/success/{{transaction.payment_processor}}</code>
<code>{{transaction.auth_token}}</code>	Token that you get when initializing <code>init</code> methods	<code>https://yoursite.com/success/{{transaction.auth_token}}</code>

You can also combine conditions.

Example:

`https://yoursite.com/{{transaction.transaction_status}}/{{transaction.trace_id}}`

Webhooks Validation

- [REQUEST PARAMETERS](#)
- [RESPONSE PARAMETERS](#)
- [EXAMPLE](#)

Notification request is sent to the merchant's website or CRM each time that a transaction status has been changed asynchronously. Each transaction and cashier login is initiated with `notification_url` parameter, which is further used as destination URL for notifications.

You can also set the notification URL within the merchant dashboard in the the application configuration interface. If set, it will be used for the "offline" notifications - transactions initiated within the merchant dashboard.

IMPORTANT: In case if your API response contains `"status": -1` or responds in unrecognized format, the notification will be resent automatically within approximately 5 minutes.

REQUEST PARAMETERS

✓ - required **value**

? - optional, **value** or `null`

✗ - always appears as `null`

Variable	Type		Description
merchant_id	varchar(50)	✓	Merchant API client account identifier
application_key	varchar(32)	✓	Identifier of your application (website)
customer	<Object>	✓	Customer object
session	<Object>	✓	Session object
transaction_attempt	<Object>	✓	Transaction attempt object
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Request time (unix timestamp, seconds)

RESPONSE PARAMETERS

Variable	Type		Description
status	int	✓	API communication status - for transaction processing status please refer to <code>transaction.transaction.status</code> - 0 if the request was successful - Negative integer if internal server/network error occurs - Positive integer if application/logical error occurs
description	varchar(256)	✓	Accurate description of the result. Return the actual error for any exception as it helps to diagnose issues in production
version	varchar(3)	✓	API version
timestamp	int(11)	✓	Response time (unix timestamp, seconds)

EXAMPLE

Incoming Request

```
{
  "merchant_id": "Test-Integration-Merchant",
  "application_key": "Sandbox",
  "customer": {
    "customer_token": "87cfb23a8f1e68e162c276b754d9c061",
    "country": "GB",
    "first_name": "John",
    "last_name": "Johnson",
    "avs_alert": 0,
    "verification_alert": null
  },
  "session": {
    "auth_token": "8a7sd87a8sd778ac961062c6bedddb8",
    "intent": "payment",
    "session_status": "created",
    "order_id": "test-1560610955",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "processed_currency": "EUR",
    "processed_amount": 100,
    "payment_method": "Credit Card",
    "gateway": null,
    "pin": "1",
    "variable1": "your variable",
    "variable2": "if that is not enough, you can pass even one more variable",
    "variable3": null
  },
  "transaction_attempt": {
    "intent": "sale",
    "currency": "EUR",
    "amount": 100,
    "conversion_rate": 1.000000,
    "attempted_currency": "EUR",
    "attempted_amount": 100,
    "payment_method": "Credit Card",
    "card": {
      "card_token": "J-4-a0vPhjZ9R75JP98VDUFgbb9y8sYr",
      "card_type": "VISA",
      "card_number": "411111*****1111",
      "card_exp": "12/2024",
      "card_issuer_name": "Bank of Somewhere",
      "card_issuer_country": "GB"
    },
    "wallet": null,
    "withdrawal_request_id": null
  },
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Success)

```
{
  "status": 0,
  "description": "Ok",
  "version": "1.3",
  "timestamp": 1590611635
}
```

Response (Error)

```
{  
  "status": 1,  
  "description": "Transaction already updated manually at the website to final status",  
  "version": "1.3",  
  "timestamp": 1590611635  
}
```