

PAYWISER PAYMENT GATEWAY ECOMMERCE INTEGRATION

TECHNICAL DOCUMENTATION

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1. Requirements

The following software is required for using the C# sample:

- Visual Studio 2015
- .Net Framework 4.5
- IIS 7.0 or newer with URL Rewrite module installed (<http://www.iis.net/downloads/microsoft/url-rewrite>)
- Newtonsoft Json.NET (already included with sample)

2. Impementation

C# Merchant web service sample is implemented as a JSON based WCF RESTful web service, using HTTP POST.

For the sake of the simplicity, HTTP is used and not HTTPS.

Security on the merchant side is implemented using MD5 hashing of recieved requests.

When joining PayWiser payment service, new PayWiser account is created.

When entering and editing your account information, you will be propmted for confirmation string (among other things).

This confirmation string is later on used for computing MD5 hashes each time PayWiser payment services makes a call to your merchant web service, providing you with mechanism for verifying authenticity of recieved web service requests.

Sample C# code is well documented, please see cource code for further details.

Actual PayWiser payment systems calls to your merchant web services and requires request/response data and structures are a subject to change.

This sample code is provided under the GNU GPL license.

<http://www.gnu.org/licenses/gpl-3.0.en.html>

3. CheckPaymentActive method

PayWiser payment services will call this merchant method in order to confirm that the merchant initialised payment request is still active.

Request parameters

Parameter name	Type	Max. Length	Description
ReferenceID	String		Your own unique reference ID from InitWebPayment call
ConfirmationSequence	String		HD5 hash of PGReferenceID of this ReferenceID+ConfirmationSequence value as specified on your account

Response

Parameter name	Type	Description
PaymentActive	Boolean	True if payment is active False otherwise
Description	String	Optional text, describing reasons for payment inactivity

Sample request

```
{
  "ReferenceID": "WebPayment_Test_1",
  "ConfirmationSequence": "CC1195D6B318291A316035A9F8CA1298"
}
```

Sample response

```
{
  PaymentActive: False
  Description: "Payment already made"
}
```

4. GetPaymentData method

PayWiser payment services will call this merchant method in order to confirm the amount, for which first payment must be made.

Request parameters

Parameter name	Type	Max. Length	Description
ReferenceID	String		Your own unique reference ID from InitWebPayment call
BuyerMobileNumber	String		Buyers mobile number
BuyerEmail	String		Buyers email address
PaymentData	List		List of JSON objects
ConfirmationSequence	String		HD5 hash of ReferenceID+ConfirmationSequence value as specified on your account

PaymentData structure

Parameter name	Type	Max. Length	Description
Name	String		Name of the PaymentData parameter Names: <ul style="list-style-type: none">• MemberID: buyers membership card ID• CouponID: coupon code
Value	String		Value of the PaymentData parameter

Response

Parameter name	Type	Description
PaymentValue	Integer	Actual payment value to be paid for the first payment (in minor units, e.g. cent if in Euro) Values: <ul style="list-style-type: none">• -1 - default payment value (as specified in payment plan or purchase)• 0 - first payment already made (nothing to pay this time)• Any other value - value of the first payment (consequent payments values are as specified in payment plan or purchase) in minor units
PaymentCurrency	String	ISO 4217 3-letter currency code. Can be null (original payment currency remains unchanged).
<i>AgreementID</i>	String	Buyers agreement ID (for recurring payments). If agreement ID has been sent with InitWebPayment call, then GetPaymentData should always omit returning agreement ID.
<i>TemplateID</i>	String	Predefined web payment template ID (as was returned to the merchant with GetMiniStoresTemplate PWPG API call)
Description	String	Optional text, describing why payment amount is 0 (Already paid, Gratis...)

Sample request

```
// no PaymentData
{
  "ReferenceID": "WebPayment_Test_1",
  "BuyerEmail": somebody@email.com,
```

```
"ConfirmationSequence": "CC1195D6B318291A316035A9F8CA1298"
}

// with PaymentData
{
  "ReferenceID": "WebPayment_Test_1",
  "PaymentData": [
    {"Name": "MemberID", "Value": "Somebody"},
    {"Name": "CouponID", "Value": "123"} ],
  "ConfirmationSequence": "CC1195D6B318291A316035A9F8CA1298"
}
```

Sample response

```
//no change in original payment value
{
  PaymentValue: -1
  PaymentCurrency: ""
  Description: ""
}

//fixed total value of payment of 120 cents
{
  PaymentValue: 120
  PaymentCurrency: "EUR"
  Description: "Voucher code 'BUYCHEAPER' successfully applied. Promo price: 1.2 EUR"
}
```


5. RecieveTransactionReport method

PayWiser payment services will call this merchant method in order to post transaction reports.

Data can contain a single transaction (mostly for immediate transaction reports, i.e. when payment was made) or multiple transactions (for daily and monthly transaction reports).

Request parameters (Transaction data)

Parameter name	Type	Description
TransactionTime	String	Transaction processing time
PaymentType	Integer	Type of payment Values: 1 - credit card 2 - regular moneta 3 - SMS moneta
TransactionType	Integer	Type of the transaction Values: 2 – capture 3 - refund 5 - payout 17 - regular moneta payment 18 - SMS moneta payment
TransactionDescription	String	Transaction description
PGReferenceID	String	PayWiser reference ID
TransactionReferenceID	String	Your own reference ID (if applicable)
WebPaymentReferenceID	String	Your own WebPayment reference ID (if applicable - if payment was instantiated as a result of a WebPayment)
PaymentCardToken	String	Credit card token (only for credit card payments)
PaymentCardNumber	String	Last 4 digits of credit card (only for credit card payments)
PaymentCardExpirationDate	String	Credit card expiration date (only for credit card payments)
PaymentMobileNumber	String	Mobile number used for payment (only for moneta payments)
PaymentAgreementID	String	Customers agreement ID (for recurring payments, only for regular moneta)
PaymentValue	Integer	Value of the payment in minor units
PaymentCurrency	String	ISO 4217 3-letter currency code
StatementText	String	Statement text
StatusCode	Integer	Status code
StatusDescription	String	Status description
CustomerName	String	Customers name (as entered in WebPayment)
CustomerAddress	String	Customers address (as entered in WebPayment)
CustomerCity	String	Customers city (as entered in WebPayment)
CustomerZipCode	String	Customers zip code (as entered in WebPayment)
CustomerState	String	Customers state (as entered in WebPayment)
CustomerCountry	String	Customers country (as entered in WebPayment)
CustomerMembershipEmail	String	Customers membership email (as entered in WebPayment)
CustomerMembershipMobileNumber	String	Customers membership mobile number (as entered in WebPayment)
CustomerMembershipMemberID	String	Customers membership ID number (as entered in WebPayment)
CustomerMembershipCouponID	String	Customers membership coupon ID number (as entered in WebPayment)
CustomerMessage	String	Customers message to the merchant (as entered in WebPayment)
CustomerCompanyName	String	Customers company name (as entered in WebPayment)

CustomerCompanyVATNumber	String	Customers company VAT number (as entered in WebPayment)
ConfirmationSequence	String	Confirmation sequence (MD5 hash) calculated by PayWiser. Calculation is done by combining PGReferenceID and TransactionReferenceID from the transaction with your confirmation string, as specified in your PayWiser account

BuyerDetails structure

Parameter name	Description
FirstName	
LastName	
Country	
County	
Street	
Street2	
StreetNumber	
Apartment	
PostNumber	
PostName	

Sample request (Transaction data)

// without BuyerData

```
[
  {
    "TransactionTime": "2015-10-01T12:02:33.56",
    "TransactionType": "Capture",
    "PGReferenceID": "5ff86465-dbac-4d2c-8660-ble6212ac8b5",
    "ReferenceID": "capture_r_351_1",
    "CardNumber": "0107",
    "Value": 10,
    "Currency": "EUR",
    "StatementText": "capture text",
    "StatusCode": "20000",
    "StatusDescription": "Approved",
    "ConfirmationSequence": "E91DF18E9F7485EC89D3E80317F8CE47"
  }
]
```

// with BuyerData

```
[
  {
    "TransactionTime": "2015-10-01T12:02:33.56",
    "TransactionType": "Capture",
    "PGReferenceID": "5ff86465-dbac-4d2c-8660-ble6212ac8b5",
    "ReferenceID": "capture_r_351_1",
    "CardNumber": "0107",
    "Value": 10,
    "Currency": "EUR",
    "StatementText": "capture text",
    "BuyerDetails": {
      "FirstName": "John",
      "LastName": "Doe" },
    "StatusCode": "20000",
    "StatusDescription": "Approved",
    "ConfirmationSequence": "E91DF18E9F7485EC89D3E80317F8CE47"
  }
]
```

// multiple transactions

```
[
  {
    "TransactionTime": "2015-10-01T12:02:33.56",
    "TransactionType": "Capture",
    "PGReferenceID": "5ff86465-dbac-4d2c-8660-ble6212ac8b5",
    "ReferenceID": "capture_r_351_1",
    "CardNumber": "0107",
    "Value": 10,
    "Currency": "EUR",
    "StatementText": "capture text",
    "BuyerDetails": {
```

```
        "FirstName": "John",
        "LastName": "Doe" },
    "StatusCode": "20000",
    "StatusDescription": "Approved",
    "ConfirmationSequence": "E91DF18E9F7485EC89D3E80317F8CE47"
  },
  {
    "TransactionTime": "2015-10-01T12:02:33.56",
    "TransactionType": "Capture",
    "PGReferenceID": "5ff86465-dbac-4d2c-8660-b1e6212ac8b5",
    "ReferenceID": "capture_r_351_1",
    "CardNumber": "0107",
    "Value": 10,
    "Currency": "EUR",
    "StatementText": "capture text",
    "BuyerDetails": {
      "FirstName": "John",
      "LastName": "Doe" },
    "StatusCode": "20000",
    "StatusDescription": "Approved",
    "ConfirmationSequence": "E91DF18E9F7485EC89D3E80317F8CE47"
  }
}
```

]

6. RecieveMonetaSMSCallback method

PayWiser payment services will call this merchant method after MonetaSMSPushPayment will be confirmed by the customer.

Request parameters (Transaction data)

Parameter name	Description
PGReferenceID	PayWiser PG reference ID
ReferenceID	Your own unique reference ID from InitWebPayment
PaymentCompleted	True if the customer confirmed Moneta payment, False otherwise
Amount	Payment amount in minor units of Euro
ConfirmationSequence	HD5 hash of PGReferenceID+ReferenceID+ConfirmationSequence value as specified on your account

Sample request (Transaction data)

```
{
  "PGReferenceID": "5ff86465-dbac-4d2c-8660-b1e6212ac8b5",
  "ReferenceID": "sms_1",
  "PaymentCompleted": true,
  "Amount": 100,
  "ConfirmationSequence": "CC1195D6B318291A316035A9F8CA1298"
}
```