

ISO8583 Issuing Gateway

General description

ISO8583 HTTP Gateway (Gateway) has been developed according to ISO8583 Native host-to-host Interface specification for processing issuing direction messages received from card suite solution and transform them to HTTP REST calls to pre-configured web-hook using JSON payload. In other words, it enables issuing customers to communicate with the Processing using REST service.

Gateway starts a new thread that listens on the configured server port and forwards all the non-technical messages to the customer in JSON format.

Deployment

Configure SSH host connectivity:

Parameter	Description
<code>backend.url</code>	Webhook endpoint URL that should be called upon receiving incoming message

Payload specification

Field names used are the same as within ISO8583 Native host-to-host Interface specification.

For details on allowed field values/usage conditions etc., please refer to ISO8583 Native host-to-host Interface specification.

Request

```
{
  "mti": "mti",
  "fld_102": "Account id (Account # that should be used for authorization execution)",
  "fld_002": "Masked card number",
  "fld_003": "Processing code",
  "fld_004": "Amount, Transaction",
  "fld_005": "Amount, reconciliation",
  "fld_006": "Amount, cardholder billing",
  "fld_007": "Date and time, transmission",
  "fld_010": "Conversation rate, Cardholder billing",
  "fld_011": "System Trace Audit Number",
  "fld_012": "Date and Time, Local Transaction",
  "fld_019": "Country code, Acquirer institution",
  "fld_022": "Point of service data code",
  "fld_024": "Function code",
  "fld_025": "Message Reason Code",
  "fld_026": "Card Acceptor Business Code",
  "fld_030": "Amount, original",
  "fld_031": "Acquirer Reference Data",
  "fld_032": "Acquirer Institution Identification Code",
  "fld_033": "Forwarding Institution Code",
  "fld_037": "Retrieval Reference Number",
  "fld_038": "Approval Code",
  "fld_039": "Response Code",
  "fld_040": "Service Code",
  "fld_041": "Card Acceptor terminal Identification",
  "fld_042": "Card Acceptor Identification code",
  "fld_043": "Card Acceptor name/Location",
  "fld_046": "Amount, fees",
  "fld_049": "Currency code, Transaction",
  "fld_050": "Currency code, Reconciliation",
  "fld_051": "Currency code, Cardholder billing",
  "fld_072": "Additional e-commerce data",
  "fld_093": "Transaction destination institution identification code",
  "fld_094": "Transaction originator institution identification code",
  "fld_095": "Card Issuer Reference number",
  "fld_098": "Payee",
  "fld_100": "Receiving institution Identification Code",
  "fld_104": "Transaction description",
  "fld_126": "Acquirer request additional data"
}
```

Response

```
{
  "mti": "mti",
  "fld_102": "account id from incoming request",
  "fld_003": "Processing code from incoming request",
  "fld_011": "System Trace Audit Number from incoming request",
  "fld_037": "Retrieval Reference Number from incoming request",
  "fld_095": "Card Issuer Reference number (from incoming request (if present) or own
generated)",
  "fld_038": "Approval Code",
  "fld_039": "Response Code"
}
```