

Cross-Currency API Integration Guide

Solution Description

Exchange local currency for USDC

Description

#	Action	Solution
1*	Client selects linked fiat account to use with Cross-Currency API	<p>Client calls GET /businessAccount/banks/{“pix” or “wires”} to fetch list of linked fiat accounts. Then calls PUT /exchange/fxConfigs/accounts to register that local currency fiat account to settle Cross-Currency API trades with.</p> <p>*This only needs to be done once, unless client wants to change which fiat account to use for Cross-Currency API</p>
2	Client requests a quote for exchanging local to USDC	<p>Client calls POST /exchange/quotes to generate a quote for exchanging a designated amount of local currency to USDC. Client displays a quote to Client’s end-user.</p> <p>Set the “type” parameter to “tradable” – this quote represents a locked rate.</p> <p>Set the “from.currency” parameter to the local fiat currency code: “MXN”, “BRL”, “USDC”</p>
3	Client end-user locks in an FX rate and makes payment	<p>Client end-user confirms the presented quote and initiates payment. This step happens within the Client infrastructure.</p> <p>Quotes will be valid for X seconds and will need to be refreshed if not locked in within that time period.</p>
4	Client executes the FX trade	<p>Using the quoteId from Step 1, Client calls POST /exchange/trades to execute the FX trade.</p> <p>If Client hits their daily limit, the trade will fail until the limit is replenished.</p>

5	Client retrieves a settlement batch	Client calls GET /exchange/trades/settlements to retrieve any unsettled trade batches. Batches with "type" as "account_payable" represent batches where Client must settle with Circle.
6*	Client fetches payment instructions	Client calls GET /exchange/trades/settlements/instructions/{currency} to retrieve transfer instructions. *These values are static , this only needs to be done once
7	Client initiates inbound fiat transfer to settle trade batch, receives USDC, and allocates USDC to the Client end-user	Client initiates an inbound fiat transfer containing the corresponding local currency to settle a trade batch. Client includes the reference from the settlement batch in the transfer. Circle receives the transfer and updates settlement batch status. Circle transfers USDC to the Client Circle Mint account. Client allocates the USDC to Client's end-user within the Client infrastructure. ⚠️ Client must only send in fiat transfer on the specified rail (e.g., PIX must be used for BRL settlement). TED or other types of unsupported fiat transfers will fail and may take significant time and cost to recover ⚠️

Exchange USDC for local currency

Description

#	Action	Solution
1*	Client selects linked fiat account to use with Cross-Currency API	Client calls GET /businessAccount/banks/{“pix” or “wires”} to fetch list of linked fiat accounts. Then calls PUT /exchange/fxConfigs/accounts to register that local currency fiat account to settle Cross-Currency API trades with. *This only needs to be done once , unless client wants to change which fiat account to use for Cross-Currency API

2	Client requests a quote for exchanging USDC to local currency	Client calls POST /exchange/quotes to generate a quote for exchanging a designated amount of USDC to local currency. Client displays a quote to Client's end-user. Set the "type" parameter to "tradeable" - this quote represents a locked rate.
3	Client end-user locks in an FX rate and initiates transfer of USDC to Client	Client end-user confirms the presented quote and initiates payment. This step happens within the Client infrastructure. Quotes will be valid for X seconds and will need to be refreshed if not locked in within that time period.
4	Client decrements end-user's USDC balance, executes the FX trade, and sends USDC to Circle	Client calls POST /exchange/trades to execute the FX trade. USDC is transferred from the Client Circle Mint account to the Circle treasury Mint account. Circle burns USDC and executes FX trade from USD > local currency.
5	Client retrieves a settlement batch	Client calls GET /exchange/trades/settlements to retrieve any unsettled trade batches. Batches with "type" as "account_receiveable" represent batches where Circle must settle with Client.
6	Circle initiates fiat transfer to settle trade batch	Circle initiates a fiat transfer containing the corresponding local currency to settle a trade batch. Circle includes the reference from the settlement batch in the transfer. Client receives the fiat transfer and releases local currency to end-user outside of the Circle infrastructure.

Endpoint Documentation

PUT <https://api-sandbox.circle.com/v1/exchange/fxConfigs/accounts>

Request:

```
{
  "fiatAccountId": "091247de-4c42-4079-a911-7073701192f0",
}
```

```
{
  "currency": "BRL"
}
```

Response:

```
{
  "data": {
    "currency": "BRL",
    "fiatAccountId": "091247de-4c42-4079-a911-7073701192f0",
    "createDate": "2025-01-09T17:50:09.452241Z",
    "updateDate": "2025-02-28T17:25:15.866900Z"
  }
}
```

POST <https://api-sandbox.circle.com/v1/exchange/quotes>

Request:

```
{
  "type": "tradable",
  "idempotencyKey": "07c238ad-b144-4607-9b70-51d1ffbb3c7b",
  "from": {
    "currency": "BRL",
    "amount": 100
  },
  "to": {
    "currency": "USDC",
    "amount": null
  }
}
```

Response:

```
{
  "data": {
    "id": "17e1ad29-a223-4ba0-bfb1-cebe861bfed1",
    "rate": 0.1974,
    "from": {
      "currency": "BRL",
      "amount": 100
    },
    "to": {
      "currency": "USDC",

```

```
    "amount": 17.71
  },
  "expiry": "2023-10-26T14:37:20.804786Z",
  "type": "tradable"
}
```

POST <https://api-sandbox.circle.com/v1/exchange/trades>

Request:

```
{
  "idempotencyKey": "7a6cba1e-6b8d-4bb8-b236-5c20a12e88f6",
  "quoteId": "60e7adc3-bda9-4e2a-9ad3-92e780f658a2"
}
```

Response:

```
{
  "data": {
    "id": "7a6cba1e-6b8d-4bb8-b236-5c20a12e88f6",
    "from": {
      "currency": "BRL",
      "amount": 100
    },
    "to": {
      "currency": "USDC",
      "amount": 17.71
    },
    "status": "pending",
    "createDate": "2023-10-26T14:37:20.804786Z",
    "updateDate": "2023-10-26T14:37:20.804786Z",
    "quoteId": "60e7adc3-bda9-4e2a-9ad3-92e780f658a2"
  }
}
```

GET <https://api-sandbox.circle.com/v1/exchange/trades>

Response:

```
{
```

```
"data": [  
  {  
    "id": "7a6cba1e-6b8d-4bb8-b236-5c20a12e88f6",  
    "quoteId": "60e7adc3-bda9-4e2a-9ad3-92e780f658a2",  
    "from": {  
      "currency": "BRL",  
      "amount": 100  
    },  
    "to": {  
      "currency": "USDC",  
      "amount": 17.71  
    },  
    "status": "pending",  
    "createDate": "2023-10-26T14:37:20.804786Z",  
    "updateDate": "2023-10-26T14:37:20.804786Z",  
    "settlementId": "9136b833-8388-48b5-86ce-8583cfd396d6"  
  }  
]  
}
```

GET <https://api-sandbox.circle.com/v1/exchange/trades/{tradeId}>

Response:

```
{  
  "data": {  
    "id": "7a6cba1e-6b8d-4bb8-b236-5c20a12e88f6",  
    "quoteId": "60e7adc3-bda9-4e2a-9ad3-92e780f658a2",  
    "from": {  
      "currency": "BRL",  
      "amount": 100  
    },  
    "to": {  
      "currency": "USDC",  
      "amount": 17.71  
    },  
    "status": "pending",  
    "createDate": "2023-10-26T14:37:20.804786Z",  
    "updateDate": "2023-10-26T14:37:20.804786Z",  
    "settlementId": "9136b833-8388-48b5-86ce-8583cfd396d6"  
  }  
}
```

```
}
```

GET <https://api-sandbox.circle.com/v1/exchange/trades?settlementId={settlementId}>

Response:

```
{
  "data": [
    {
      "id": "fc446cd6-ccbe-4c1b-9a81-9a7296630ee7",
      "from": {
        "amount": "110.00",
        "currency": "BRL"
      },
      "to": {
        "amount": "21.50",
        "currency": "USDC"
      },
      "status": "pending_settlement",
      "createDate": "2024-10-02T18:40:32.045975Z",
      "updateDate": "2024-10-02T18:45:11.359759Z",
      "quoteId": "b481930e-9cb0-437b-ade1-264164ab4d01",
      "settlementId": "e2433398-6528-3579-8d1d-1e6399989184"
    },
    {
      "id": "c40e0cb5-4440-4fcb-932c-c9287db32bce",
      "from": {
        "amount": "100.00",
        "currency": "BRL"
      },
      "to": {
        "amount": "19.54",
        "currency": "USDC"
      },
      "status": "pending_settlement",
      "createDate": "2024-10-02T18:40:12.346686Z",
      "updateDate": "2024-10-02T18:45:11.359784Z",
      "quoteId": "8030365f-1475-415f-975d-7134d0a011b3",
      "settlementId": "e2433398-6528-3579-8d1d-1e6399989184"
    }
  ]
}
```

```
}
```

GET <https://api-sandbox.circle.com/v1/exchange/trades/settlements>

Response:

(Mint)

```
{
  "data": [
    {
      "id": "7a6cba1e-6b8d-4bb8-b236-5c20a12e88f6",
      "entityId": "71942aff-80cd-45b6-be49-f2c4d9b47a72",
      "reference": "FXR1234567",
      "type": "account_payable",
      "amount": {
        "currency": "BRL",
        "amount": 100
      },
      "status": "pending",
      "createDate": "2023-10-26T14:37:20.804786Z",
      "updateDate": "2023-10-26T14:37:20.804786Z"
    }
  ]
}
```

(Redeem)

```
{
  "data": {
    "id": "42d6a631-2181-3bd3-841a-6b6843413189",
    "entityId": "ba6d3931-d62f-48b9-a3e9-d6713047ab00",
    "type": "account_receivable",
    "reference": "CIRSYPH3A",
    "amount": {
      "amount": "251.98",
      "currency": "BRL"
    },
    "status": "settled",
    "createDate": "2024-10-03T19:25:16.668552Z",
    "updateDate": "2024-10-03T19:26:20.274964Z"
  }
}
```


GET https://api-sandbox.circle.com/v1/exchange/trades/settlements/{settlementId}

Response:

(Mint)

```
{
  "data": [
    {
      "id": "7a6cba1e-6b8d-4bb8-b236-5c20a12e88f6",
      "entityId": "71942aff-80cd-45b6-be49-f2c4d9b47a72",
      "reference": "FXR1234567",
      "type": "account_payable",
      "amount": {
        "currency": "BRL",
        "amount": 100
      },
      "status": "pending",
      "createDate": "2023-10-26T14:37:20.804786Z",
      "updateDate": "2023-10-26T14:37:20.804786Z"
    }
  ]
}
```

(Redeem)

```
{
  "data": {
    "id": "42d6a631-2181-3bd3-841a-6b6843413189",
    "entityId": "ba6d3931-d62f-48b9-a3e9-d6713047ab00",
    "type": "account_receivable",
    "reference": "CIRSYPTH3A",
    "amount": {
      "amount": "251.98",
      "currency": "BRL"
    },
    "status": "settled",
    "createDate": "2024-10-03T19:25:16.668552Z",
    "updateDate": "2024-10-03T19:26:20.274964Z"
  }
}
```

GET https://api-sandbox.circle.com/v1/exchange/trades/settlements/reference/{reference}

Response:

(Mint)

```
{
  "data": [
    {
      "id": "7a6cba1e-6b8d-4bb8-b236-5c20a12e88f6",
      "entityId": "71942aff-80cd-45b6-be49-f2c4d9b47a72",
      "reference": "FXR1234567",
      "type": "account_payable",
      "amount": {
        "currency": "BRL",
        "amount": 100
      },
      "status": "pending",
      "createDate": "2023-10-26T14:37:20.804786Z",
      "updateDate": "2023-10-26T14:37:20.804786Z"
    }
  ]
}
```

(Redeem)

```
{
  "data": {
    "id": "42d6a631-2181-3bd3-841a-6b6843413189",
    "entityId": "ba6d3931-d62f-48b9-a3e9-d6713047ab00",
    "type": "account_receivable",
    "reference": "CIRSYPTH3A",
    "amount": {
      "amount": "251.98",
      "currency": "BRL"
    },
    "status": "settled",
    "createDate": "2024-10-03T19:25:16.668552Z",
    "updateDate": "2024-10-03T19:26:20.274964Z"
  }
}
```

GET https://api-sandbox.circle.com/v1/exchange/trades/settlements/instructions/{currency}

Response:

```
{
  "currency": "BRL",
  "accountType": "pix",
  "instuction": {
    "ispb": "87654321",
    "branchCode": "123",
    "accountNumber": "12345678",
    "name": "Circle Internet Financial LLC",
    "accountType": "checking",
    "taxId": "12345678900"
  }
}
```

POST https://api-sandbox.circle.com/v1/businessAccount/banks/pix

Request:

```
{
  "idempotencyKey": "{{ $guid }}",
  "name": "PIX Test Account", //name can be edited as desired
  "accountNumber": "1234567890",
  "taxId": "12345678901",
  "ispb": "12481100",
  "accountType": "checking",
  "branchCode": "123"
}
```

Response:

```
{
  "data": {
    "id": "6a94fb84-70ee-4ae4-844f-c799c961a9d9",
    "status": "pending",
    "description": "BIZ IP LTDA. ****7890",
    "trackingRef": "CIR3EBN499",
    "fingerprint": "dfe5eb54-8b69-4a22-92df-0c414e78ea30",
    "createDate": "2024-11-18T19:57:31.566Z",
  }
}
```

```
    "updateDate": "2024-11-18T19:57:31.566Z"
  }
}
```

POST <https://api-sandbox.circle.com/v1/mocks/payments/pix>

Request:

```
{
  "trackingRef": "CIR2JM5VEJ",
  "amount": {
    "amount": "150.00",
    "currency": "BRL"
  },
  "accountNumber": "4842622"
}
```

Response:

```
{
  "data": {
    "trackingRef": "CIR2JM5VEJ",
    "beneficiaryAccountNumber": "4842622",
    "amount": {
      "amount": "150.00",
      "currency": "BRL"
    },
    "status": "pending"
  }
}
```

Webhook Examples

PIX Deposit

JavaScript

```
{
  "Type" : "Notification",
  "MessageId" : "7412a6f3-83cc-5635-91b7-f9719192c84a",
}
```

```

    "TopicArn" :
    "arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic",
    "Message" :
    "{ \"clientId\": \"ba6d3931-d62f-48b9-a3e9-d6713047ab00\", \"notificationType\": \"
deposits\", \"version\": 1, \"customAttributes\": { \"clientId\": \"ba6d3931-d62f-48b
9-a3e9-d6713047ab00\" }, \"deposit\": { \"id\": \"b5f85d71-a833-4fa6-ac2b-7eb6b68a0b
a7\", \"source\": { \"id\": \"f6bad1c9-ea4f-473c-857e-0886061248ed\", \"type\": \"pix
\", \"name\": \"BIZ IP LTDA.
***7890\" }, \"destination\": { \"id\": \"1000128835\", \"type\": \"wallet\" }, \"amoun
t\": { \"amount\": \"29.32\", \"currency\": \"USDC\" }, \"fromAmount\": { \"amount\": \"1
50.00\", \"currency\": \"BRL\" }, \"fees\": { \"amount\": \"2.00\", \"currency\": \"USD\
\" }, \"status\": \"complete\", \"createDate\": \"2024-10-10T17:34:16.419Z\", \"update
Date\": \"2024-10-10T17:34:22.370196Z\" } }",
    "Timestamp" : "2024-10-10T17:34:22.503Z",
    "SignatureVersion" : "1",
    "Signature" :
    "MYxCN4d38qYjDZN07Tl07Usoesw0ZxHvG3RIcVJNBGe5UqFXARYE7FNE2V/3guHo6jlqRpZN+kMZwn
ACD3RyD5q0zPmoiDI/0uZFNDkpRFPnIHGw6NgR4PjG0PKQnBwP3AmYzrTyujzyQwRFoYSHcwoT6+DNs
gDPCV8XyIAEcWk6S/cyISnmrivV9S3vcWyBxhcpwiXl8baIMCzfBd7/9vpTema0ALy1sE/kRFcVgXu5
EDdqcjSI6tIbUoUJ8Qx7AS9hYUC2NDyTMSeuiDaqiULJsY+KXWRf1yZDqclDnSgUC8yUAtpwQW9UipN
pir2YGHSJwItfscRWynBnP3jmbA==",
    "SigningCertURL" :
    "https://sns.us-east-1.amazonaws.com/SimpleNotificationService-60eadc530605d63b
8e62a523676ef735.pem",
    "UnsubscribeURL" :
    "https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aw
s:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:ac497979-f7a1
-4603-8eb7-8545dcc52d4e",
    "MessageAttributes" : {
        "clientId" :
        { "Type": "String", "Value": "ba6d3931-d62f-48b9-a3e9-d6713047ab00" }
    }
}

```

PIX Withdrawal

```

JavaScript
{
  "Type": "Notification",
  "MessageId": "89c24fdc-f0c4-54f1-b97a-105ee7a33795",

```

```

    "TopicArn":
    "arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic",
    "Message":
    "{ \"clientId\": \"ba6d3931-d62f-48b9-a3e9-d6713047ab00\", \"notificationType\": \"payouts\", \"version\": 1, \"customAttributes\": { \"clientId\": \"ba6d3931-d62f-48b9-a3e9-d6713047ab00\" }, \"payout\": { \"id\": \"29881d31-499d-4a92-805a-29fba14779a4\", \"destination\": { \"type\": \"pix\", \"id\": \"f6bad1c9-ea4f-473c-857e-0886061248ed\", \"name\": \"BIZ IP LTDA. ****7890\" }, \"amount\": { \"amount\": \"50.00\", \"currency\": \"USDC\" }, \"toAmount\": { \"amount\": \"251.98\", \"currency\": \"BRL\" }, \"createDate\": \"2024-10-10T17:54:57.319986Z\", \"updateDate\": \"2024-10-10T17:55:51.227218Z\", \"sourceWalletId\": \"1000128835\", \"fees\": { \"amount\": \"25.00\", \"currency\": \"USD\" }, \"status\": \"complete\" } }\",
    "Timestamp": "2024-10-10T17:55:51.616Z",
    "SignatureVersion": "1",
    "Signature":
    "IbFJ4v3yJf0DcEJ8FFXeK03DbMl1RqspTd5fhibz571B+qxqemKvWhnXYFP8pvrJyFMafYI3ULFS0Yc7W5T4gf9VR690RpbjJij5jIfmn07QJsmY1s0+ubvxWppdRwacN23hPwxND9vId5YVozTbxkdUR74MY2nNw1EqTJxr7jIk+aMRP276A8u57fv0oUTaVN1Bo9S4b2cTE4T5PDu60Sfj+CcE7Rse5PQU0qTi9wfsxSQ5y2cMlT7B6bJ7bp6vZ/WeP9c0hvQgA5SAm0n4CYmHMFIC0CAGB/NZjs8UIwyDC8SyPmbc5fAQU7NT80DxEB4mxlZQnp0qOkA5ja7ndW/A==",
    "SigningCertURL":
    "https://sns.us-east-1.amazonaws.com/SimpleNotificationService-60eadc530605d63b8e62a523676ef735.pem",
    "UnsubscribeURL":
    "https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:ac497979-f7a1-4603-8eb7-8545dcc52d4e",
    "MessageAttributes": {
      "clientId": {
        "Type": "String",
        "Value": "ba6d3931-d62f-48b9-a3e9-d6713047ab00"
      }
    }
  }
}

```

Inbound (Mint) Batch Creation

```

JavaScript
{
  "Type": "Notification",

```

```

    "MessageId": "d24f8563-914d-548a-b964-e55846c298b5",
    "TopicArn":
"arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic",
    "Message":
"{\"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\", \"notificationType\": \"fxSettlement\", \"version\": 1, \"customAttributes\": {\"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\"}, \"context\": {}, \"fxSettlement\": {\"id\": \"6628f36c-136d-3530-ad2d-e3a1df33b645\", \"entityId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\", \"type\": \"account_payable\", \"reference\": \"FXR3F9HASP\", \"amount\": {\"currency\": \"BRL\", \"amount\": \"100.00\"}, \"status\": \"pending\", \"createDate\": \"2025-02-28T15:25:03.618761386Z\", \"updateDate\": \"2025-02-28T15:25:03.618761386Z\"}}\",
    "Timestamp": "2025-02-28T15:25:03.727Z",
    "SignatureVersion": "1",
    "Signature":
"Z7I7fkrcINRjuSjnQ8+Zs0Nk/2H1PobvEWVoJ3KrvLzxno2hiFt1loBRXHXRRyu8jPSP21QfB2Ig0VmD60MiNvU20j2fJ5uKzaeZtMEZn/8mGqYT57ppgGEYleKZG5QZNRNNEiHceedmIzx3Mfzf3dNd7hwvc
sd8a6bK2VCeJhY8FuDhT4v/0dGcgPyTr9coTBDC5gsxsgeE4Np0A894DTuM0HUtEu/OodcI3EKmD+48
lCF7qmhaXiEhXSmBIMRwjUZxo1d90mK9lAoG55ELLHywv6p2hM6q0SSaV4sxVeSial8UBhgdjVuBEcx
RvmUbz1NVPMwfgao4ATAch0T/9g==",
    "SigningCertURL":
"https://sns.us-east-1.amazonaws.com/SimpleNotificationService-9c6465fa7f48f5ca
cd23014631ec1136.pem",
    "UnsubscribeURL":
"https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aw
s:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:3aafa377-f124
-4e4a-86c0-7505256ca0d9",
    "MessageAttributes": {
      "clientId": {
        "Type": "String",
        "Value": "c5692eb6-33f9-431d-9481-2eee38f02081"
      }
    }
  }
}

```

Outbound (Redeem) Batch Creation

```

JavaScript
{
  "Type": "Notification",
  "MessageId": "a27eff7c-40f8-5d96-ba0f-9f405c41ad18",

```

```

    "TopicArn":
    "arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic",
    "Message":
    "{\\"clientId\\":\\"c5692eb6-33f9-431d-9481-2eee38f02081\\",\\"notificationType\\":\\"
fxSettlement\\",\\"version\\":1,\\"customAttributes\\":{\\"clientId\\":\\"c5692eb6-33f9
-431d-9481-2eee38f02081\\"},\\"context\\":{\\"fxSettlement\\":{\\"id\\":\\"7abbf2fa-1
fc4-30a4-b824-41cfd29fe0fa\\",\\"entityId\\":\\"c5692eb6-33f9-431d-9481-2eee38f0208
1\\",\\"type\\":\\"account_receivable\\",\\"reference\\":\\"CIRV7KSSLY\\",\\"amount\\":{\\"
currency\\":\\"BRL\\",\\"amount\\":\\"251.93\\"},\\"status\\":\\"pending\\",\\"createDate\\
:\\\"2025-02-28T20:20:05.507441Z\\",\\"updateDate\\":\\"2025-02-28T20:20:09.174958Z\\"
}}",
    "Timestamp": "2025-02-28T20:20:09.304Z",
    "SignatureVersion": "1",
    "Signature":
    "qLbYSqa59jzy30r0axxWF8rjGDD5jNovaS7bZvREL3siZdM0wYnMoxvYtTb9oeEiLy9RFh3/srmXne
uHn/vgYgiZk114UW8BIIbqtuipm4H7ojg16ueGva2EgAnT85+1zLTSI78Vapvm4S9SFyFFHo0tYb9Dw
SsAMl0esiquvaYN01f5zAEYKLP/QxNEB2NV/OTkQCISnyixxHUd7T226L1nMWr5W/d9eFcAbIwIM8Ut
2gnoJ+zZq0tMXBKstrSk/+9LP1zJ1mEGuNiN0lNTdHqosVHVZ4nez7sjyBpisP4FfZLFGbpuYEBC2gH
iQzzEAcryn8MH3FZqkS0lIoUTew==",
    "SigningCertURL":
    "https://sns.us-east-1.amazonaws.com/SimpleNotificationService-9c6465fa7f48f5ca
cd23014631ec1136.pem",
    "UnsubscribeURL":
    "https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aw
s:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:3aafa377-f124
-4e4a-86c0-7505256ca0d9",
    "MessageAttributes": {
      "clientId": {
        "Type": "String",
        "Value": "c5692eb6-33f9-431d-9481-2eee38f02081"
      }
    }
  }
}

```

Settled Batch

```

JavaScript
{
  "Type": "Notification",
  "MessageId": "307157cc-6215-5f9a-b0aa-37f07eaf7ac2",

```



```

    "TopicArn":
    "arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic",
    "Message":
    "{ \"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\", \"notificationType\": \"fxSettlement\", \"version\": 1, \"customAttributes\": { \"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\" }, \"context\": { }, \"fxSettlement\": { \"id\": \"7abbf2fa-1fc4-30a4-b824-41cfd29fe0fa\", \"entityId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\", \"type\": \"account_receivable\", \"reference\": \"CIRV7KSSLY\", \"amount\": { \"currency\": \"BRL\", \"amount\": \"251.93\" }, \"status\": \"settled\", \"createDate\": \"2025-02-28T20:20:05.507441Z\", \"updateDate\": \"2025-02-28T20:20:10.534070Z\" } }\",
    "Timestamp": "2025-02-28T20:20:10.620Z",
    "SignatureVersion": "1",
    "Signature":
    "NjnrShrT0aWHzHyBXEbYLqRY/bRbin4oqcXJl6iu3ICMHHcCt5CeH4PGtxdLhyoxA/w/Glt0x/S3uswtpbAiek5eWZqbPEJupbRkzsDDVbArxnhLko13qpg9sg0/3nU3D/YFntkbxx4sPJ0vBK529R6sZedB4ekyq4JNtzhF+coxGCY0LBGZ1C3U2yhbvGsEl0dq6lUsJ4ZjYuyW7fbU0IBxEZXrNc5YH/JxQiNUCUQU4doB2g0mjwU4d6FW4Foe1GNEmd6+mW2C03akjVLw7tFgQ7dufKpmCfeo0ZQdB1RYZsxx+BZcGNKHtfMAjxTreYXfUj8zYWd9BKoM/6bFw==",
    "SigningCertURL":
    "https://sns.us-east-1.amazonaws.com/SimpleNotificationService-9c6465fa7f48f5cadc23014631ec1136.pem",
    "UnsubscribeURL":
    "https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:3aafa377-f124-4e4a-86c0-7505256ca0d9",
    "MessageAttributes": {
      "clientId": {
        "Type": "String",
        "Value": "c5692eb6-33f9-431d-9481-2eee38f02081"
      }
    }
  }
}

```

Trade Record Created

```

JavaScript
{
  "Type": "Notification",
  "MessageId": "35d505b9-ecc2-5c30-a417-6585f0bae5b8",

```

```

    "TopicArn":
    "arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic",
    "Message":
    "{ \"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\", \"notificationType\": \"trades\", \"version\": 1, \"customAttributes\": { \"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\" }, \"trade\": { \"id\": \"5c8cfc51-ab7d-4f68-8467-f8435222acc7\", \"status\": \"confirmed\", \"updateDate\": \"2025-02-28T20:19:04.881158Z\" }, \"content\": { } }",
    "Timestamp": "2025-02-28T20:19:04.984Z",
    "SignatureVersion": "1",
    "Signature":
    "Bm5siZxN5IMD7+tB8hcKf0c0u/w8gQzcjsZZZyfhLrDiw/K0s7ss2AbFEneUEzPVUmprCq+N6kVy8mtoIaUwahgPkt+kOF1pybQrVlhnA2nBukt8mIBTg8BVrIvG26ANEFtnMnElj05RqZMTv7w3FcbcT2Plcuwl+MOfQvHofbd6x8gWNWzLwW3QmnmCHA1HRZ8RfZLWYFSG9rUho4YSXU8KddDVoA/0AH0ukb7bTX1zAh7dQ4fT0o017t0IehzKmfmpbGPq4KufM/TqB4UGtoR1vAmmSghsEhhX6obWAe8Tjp716m60r5+0dHth8A006w3l5XZ5CvK0rw5wg2rgA=",
    "SigningCertURL":
    "https://sns.us-east-1.amazonaws.com/SimpleNotificationService-9c6465fa7f48f5cacd23014631ec1136.pem",
    "UnsubscribeURL":
    "https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:3aafa377-f124-4e4a-86c0-7505256ca0d9",
    "MessageAttributes": {
      "clientId": {
        "Type": "String",
        "Value": "c5692eb6-33f9-431d-9481-2eee38f02081"
      }
    }
  }
}

```

Trade Completed

JavaScript

```

{
  "Type": "Notification",
  "MessageId": "e6c59cfe-00cf-5ad8-9c0e-fcc21c752f80",
  "TopicArn":
  "arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic",
  "Message":
  "{ \"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\", \"notificationType\": \"trades\", \"version\": 1, \"customAttributes\": { \"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\" }, \"trade\": { \"id\": \"5c8cfc51-ab7d-4f68-8467-f8435222acc7\", \"status\": \"confirmed\", \"updateDate\": \"2025-02-28T20:19:04.881158Z\" }, \"content\": { } }",
  "Timestamp": "2025-02-28T20:19:04.984Z",
  "SignatureVersion": "1",
  "Signature":
  "Bm5siZxN5IMD7+tB8hcKf0c0u/w8gQzcjsZZZyfhLrDiw/K0s7ss2AbFEneUEzPVUmprCq+N6kVy8mtoIaUwahgPkt+kOF1pybQrVlhnA2nBukt8mIBTg8BVrIvG26ANEFtnMnElj05RqZMTv7w3FcbcT2Plcuwl+MOfQvHofbd6x8gWNWzLwW3QmnmCHA1HRZ8RfZLWYFSG9rUho4YSXU8KddDVoA/0AH0ukb7bTX1zAh7dQ4fT0o017t0IehzKmfmpbGPq4KufM/TqB4UGtoR1vAmmSghsEhhX6obWAe8Tjp716m60r5+0dHth8A006w3l5XZ5CvK0rw5wg2rgA=",
  "SigningCertURL":
  "https://sns.us-east-1.amazonaws.com/SimpleNotificationService-9c6465fa7f48f5cacd23014631ec1136.pem",
  "UnsubscribeURL":
  "https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aws:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:3aafa377-f124-4e4a-86c0-7505256ca0d9",
  "MessageAttributes": {
    "clientId": {
      "Type": "String",
      "Value": "c5692eb6-33f9-431d-9481-2eee38f02081"
    }
  }
}

```

```
trades\","version\:1,\"customAttributes\":{\"clientId\": \"c5692eb6-33f9-431d-9481-2eee38f02081\"}, \"trade\": {\"id\": \"5c8cfc51-ab7d-4f68-8467-f8435222acc7\"}, \"status\": \"complete\", \"updateDate\": \"2025-02-28T20:20:10.580142Z\", \"settlementId\": \"7abbf2fa-1fc4-30a4-b824-41cfd29fe0fa\"}, \"context\": {}}\",
  \"Timestamp\": \"2025-02-28T20:20:10.665Z\",
  \"SignatureVersion\": \"1\",
  \"Signature\":
    \"V0ZI7QRuw7HRiQkK93PeA+PRsEfPSaqxv4jsCEtv0x7B3k2hHnv3ZLmBEc29r0fFh6u0Y75nhS1YNC
    V/L0mdf6PZE81gAqDvcQmWanfmfvj+Jd678yYVScgDv7C9yB9/JIncL0T7I/uS20q4h1f0mH1uZ14qN
    gRv8YBh0mD3zpIAClgud22znVGWM5T7LBW2h/q3fZYz0lGAyy+gLEk8Z3sLLg0ZfvrMLEdWA8x/7Lcx
    gpWYEG+83vd0xX4NN6bkqSbgODhMtILIXFTPZyD0zdG9E0j78u+K8pTgE9eT01Wcx5JP8/4C3PEXBJs
    rW5v89iv70bQURbqCTaBrSG1mtQ==\",
  \"SigningCertURL\":
    \"https://sns.us-east-1.amazonaws.com/SimpleNotificationService-9c6465fa7f48f5ca
    cd23014631ec1136.pem\",
  \"UnsubscribeURL\":
    \"https://sns.us-east-1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aw
    s:sns:us-east-1:908968368384:sandbox_platform-notifications-topic:3aafa377-f124
    -4e4a-86c0-7505256ca0d9\",
  \"MessageAttributes\": {
    \"clientId\": {
      \"Type\": \"String\",
      \"Value\": \"c5692eb6-33f9-431d-9481-2eee38f02081\"
    }
  }
}
```