

Wirecard CEE Integration Documentation



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JAPI/SAPI and REST API Request Comparison

The REST API architecture is completely different from the JAPI/SAPI architecture. Therefore, the fields have no corresponding equivalents. This page shows JAPI/SAPI requests and their REST API counterparts.

Header Information

JAPI/SAPI	REST API
Authentication: Basic Auth Username: demo-merchant Password: 203yefsy Content-Type: text Format: NVP Endpoint: https://checkout.wirecard.com/enterprise-demo Credit card test credentials (for both 3-D Secure and non-3-D Secure): PAN: 95000000000000002 Expiration: 12/2019	Authentication: Basic Auth Username: 70000-APILUHN-CARD Password: 8mhwavKVb91T Content-Type: application/xml Endpoints: https://api-test.wirecard.com/engine/rest/paymentmethods/ https://api-test.wirecard.com/engine/rest/payments/ Credit card test credentials: non-3D Secure: PAN: 4271149787014678 Expiration Month: 12 Expiration Year: 2020 CVC: 123 Card type: visa 3-D Secure: PAN: 4012000300001003 Expiration Month: 01 Expiration Year: 2019 CVC: 003 Card type: visa

Initiate Payment

JAPI/SAPI:

```

COMMAND=INITIATEPAYMENT&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
PAYMENTTYPE=CREDITCARD&
AMOUNT=1.23&
CURRENCY=EUR&
ORDERNUMBER=7049&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
    
```

```
INITTYPE=CCARD&
PAN=9500000000000002&
EXPIRY=12/2019&
CONSUMER_BILLING_FIRST_NAME=John&
CONSUMER_BILLING_LAST_NAME=Doe&
CONSUMER_EMAIL=john.doe@test.com&
CONSUMER_BILLING_PHONE=555555555&
CONSUMER_BILLING_ADDRESS_1=123 anystreet&
CONSUMER_BILLING_CITY=Brantford&
CONSUMER_BILLING_STATE=ON&
CONSUMER_BILLING_COUNTRY=CA&
CONSUMER_BILLING_ZIP_CODE=M4P1E8
```

REST API:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>authorization</transaction-type>
  <requested-amount currency="EUR">1.23</requested-amount>
  <account-holder>
    <first-name>John</first-name>
    <last-name>Doe</last-name>
    <email>john.doe@test.com</email>
    <phone>555555555</phone>
    <address>
      <street1>123 anystreet</street1>
      <city>Brantford</city>
      <state>ON</state>
      <country>CA</country>
      <postal-code>M4P1E8</postal-code>
    </address>
  </account-holder>
  <card>
    <account-number>4271149787014678</account-number>
    <expiration-month>12</expiration-month>
    <expiration-year>2020</expiration-year>
    <card-security-code>123</card-security-code>
    <card-type>visa</card-type>
  </card>
  <ip-address>127.0.0.1</ip-address>
  <order-number>7049</order-number>
  <order-detail>Test transaction Wirecard CEE.</order-detail>
  <payment-methods>
    <payment-method name="creditcard"/>
  </payment-methods>
</payment>
```

3-D Secure Initiation

JAPI/SAPI:

```
COMMAND=INITIATEPAYMENT&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
PAYMENTTYPE=CREDITCARD&
ORDERNUMBER=21402614&
AMOUNT=1.23&
CURRENCY=EUR&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
INITTYPE=3DSECURE&
PAN=9500000000000002&
EXPIRY=12/2019&
SUCCESSURL=https://example.com/success.html&
SERVICEURL=https://example.com/service.html&
CONSUMER_BILLING_FIRST_NAME=John&
CONSUMER_BILLING_LAST_NAME=Doe&
CONSUMER_EMAIL=john.doe@test.com&
CONSUMER_BILLING_PHONE=5555555555&
CONSUMER_BILLING_ADDRESS_1=123 anystreet&
CONSUMER_BILLING_CITY=Brantford&
CONSUMER_BILLING_STATE=ON&
CONSUMER_BILLING_COUNTRY=CA&
CONSUMER_BILLING_ZIP_CODE=M4P1E8
```

REST API:

```
<!-- Check enrollment -->
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>33f6d473-3036-4ca5-acb5-8c64dac862d1
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>check-enrollment</transaction-type>
  <requested-amount currency="EUR">1.23</requested-amount>
  <account-holder>
    <first-name>John</first-name>
    <last-name>Doe</last-name>
    <email>john.doe@test.com</email>
    <phone></phone>
    <address>
      <street1>123 anystreet</street1>
      <city>Brantford</city>
      <state>ON</state>
```

```
<country>CA</country>
</address>
</account-holder>
<card>
  <account-number>4012000300001003</account-number>
  <expiration-month>01</expiration-month>
  <expiration-year>2019</expiration-year>
  <card-type>visa</card-type>
  <card-security-code>003</card-security-code>
</card>
<ip-address>127.0.0.1</ip-address>
</payment>
```

3-D Secure ACS Redirect

JAPI/SAPI: -> returns HTML with included javascript pop-up, which automatically opens 3-D Secure page for authentication.

REST API: -> returns XML or JSON response; merchant needs to parse acs-url and implement functionality which redirects the consumer to the 3-D Secure page for authentication.

3-D Secure Verification

JAPI/SAPI:

```
COMMAND=VERIFYPAYMENT&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
ORDERNUMBER=21402614&
MD=Q1JFRELUQ0FSRHwxfdf8MjE0MDI2MTQ=&
PARES=DEMO-PAYER-AUTHENTICATION-RESPONSE-CAN-BE-UP-TO-5K-OF-DATA+++
MS4wMHw5Nzh8MjE0MDI2MTR8MjE0MDI2MTR8Q1JFRE
LUQ0FSRHwyMDE4MTEwODA4Mjc1N3xSR1Z0Ync9PXXWR1Z6ZEhSeVLXNXpZV3QwYVc5dUUGZHBjbV
ZqWVhKa0lFTkZSUzRnUW1
sMGRHVWdibWxqYUhrZ1lXSmlkV05vWlc0aHxyc2x5bDMxMXRrQXJteUxSWkMzOXVnPT0=
```

REST API:

Check payer response (if cardholder authenticated with 3-D Secure):

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>33f6d473-3036-4ca5-acb5-8c64dac862d1
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>check-payer-response</transaction-type>
  <parent-transaction-id>${get transaction id from check enrollment}
</parent-transaction-id>
  <three-d>
    <pares>{pares inserted here}</pares>
  </three-d>
</payment>
```

Send payment request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>33f6d473-3036-4ca5-acb5-8c64dac862d1
</merchant-account-id>
  <request-id>fbeee5af-8329-48ad-af9e-3aaca489520a</request-id>
  <transaction-type>purchase</transaction-type>
  <parent-transaction-id>${get transaction id from check enrollment}
</parent-transaction-id>
  <three-d>
    <pares>{pares inserted here}</pares>
  </three-d>
</payment>
```

Deposit/Capture Authorization

JAPI/SAPI:

```
COMMAND=DEPOSIT&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
AMOUNT=1.23&
CURRENCY=EUR&
ORDERNUMBER=21402615&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
PAYMENTNUMBER=21402615
```

REST API:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
```

```
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>capture-authorization</transaction-type>
  <parent-transaction-id>${get transaction id from authorization}
</parent-transaction-id>
  <requested-amount currency="EUR">1.23</requested-amount>
  <ip-address>127.0.0.1</ip-address>
</payment>
```

First Initiation for Recurring Payment

JAPI/SAPI:

```
COMMAND=INITIATEPAYMENT&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
PAYMENTTYPE=CREDITCARD&
AMOUNT=1.23&
CURRENCY=EUR&
ORDERNUMBER=21402615&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
INITTYPE=CCARD&
PAN=9500000000000002&
EXPIRY=12/2019&
CONSUMER_BILLING_FIRST_NAME=John&
CONSUMER_BILLING_LAST_NAME=Doe&
CONSUMER_EMAIL=john.doe@test.com&
CONSUMER_BILLING_PHONE=555555555&
CONSUMER_BILLING_ADDRESS_1=123 anystreet&
CONSUMER_BILLING_CITY=Brantford&
CONSUMER_BILLING_STATE=ON&
CONSUMER_BILLING_COUNTRY=CA&
CONSUMER_BILLING_ZIP_CODE=M4P1E8
```

REST API:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <payment xmlns="http://www.elastic-payments.com/schema/payment">
    <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
  </merchant-account-id>
    <request-id>${unique for each request}</request-id>
    <transaction-type>purchase</transaction-type>
    <requested-amount currency="EUR">1.23</requested-amount>
    <account-holder>
      <first-name>John</first-name>
      <last-name>Doe</last-name>
```

```
<email>john.doe@test.com</email>
<phone></phone>
<address>
  <street1>123 anystreet</street1>
  <city>Brantford</city>
  <state>ON</state>
  <country>CA</country>
  <postal-code>M4P1E8</postal-code>
</address>
</account-holder>
<card>
  <account-number>4271149787014678</account-number>
  <expiration-month>12</expiration-month>
  <expiration-year>2020</expiration-year>
  <card-type>visa</card-type>
</card>
<order-number>21402615</order-number>
<order-detail>Test transaction Wirecard CEE.</order-detail>
<ip-address>127.0.0.1</ip-address>
<periodic-type>recurring</periodic-type>
<sequence-type>first</sequence-type>
<payment-methods>
  <payment-method name="creditcard"/>
</payment-methods>
</payment>
```

Recurring Payment

JAPI/SAPI:

```
COMMAND=RECURPAYMENT&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
PAYMENTTYPE=CREDITCARD&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
SOURCEORDERNUMBER=21402615&
ORDERNUMBER=44152&
AMOUNT=1.23&
CURRENCY=EUR&
ADMIN_PASSWORD=test&
CONSUMER_BILLING_FIRST_NAME=John&
CONSUMER_BILLING_LAST_NAME=Doe&
CONSUMER_EMAIL=john.doe@test.com&
CONSUMER_BILLING_PHONE=555555555&
CONSUMER_BILLING_ADDRESS_1=123 anystreet&
CONSUMER_BILLING_CITY=Brantford&
```



```
CONSUMER_BILLING_STATE=ON&  
CONSUMER_BILLING_COUNTRY=CA&  
CONSUMER_BILLING_ZIP_CODE=M4P1E8
```

REST API:

```
<payment xmlns="http://www.elastic-payments.com/schema/payment">  
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c  
</merchant-account-id>  
  <request-id>${unique for each request}</request-id>  
  <transaction-type>purchase</transaction-type>  
  <parent-transaction-id>${get transaction id first purchase}  
</parent-transaction-id>  
  <requested-amount currency="EUR">1.23</requested-amount>  
  <periodic>  
    <periodic-type>recurring</periodic-type>  
    <sequence-type>recurring</sequence-type>  
  </periodic>  
  <payment-methods>  
    <payment-method name="creditcard"/>  
  </payment-methods>  
</payment>
```

Referenced transaction:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<payment xmlns="http://www.elastic-payments.com/schema/payment">  
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c  
</merchant-account-id>  
  <request-id>${unique for each request}</request-id>  
  <transaction-type>referenced-authorization</transaction-type>  
  <parent-transaction-id>${get transaction id from parent transaction}  
</parent-transaction-id>  
  <requested-amount currency="EUR">1.23</requested-amount>  
  <ip-address>127.0.0.1</ip-address>  
</payment>
```

Refund

A refund needs a preceding transaction to reference to.

JAPI/SAPI:

```
COMMAND=REFUND&  
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
```

```
PAYMENTTYPE=CREDITCARD&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
SOURCEORDERNUMBER=15598604&
ORDERNUMBER=3763380&
AMOUNT=1.23&
CURRENCY=EUR&
ADMIN_PASSWORD=test
```

REST API:

Refund capture:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>refund-capture</transaction-type>
  <parent-transaction-id>${get transaction id from parent transaction}
</parent-transaction-id>
  <ip-address>127.0.0.1</ip-address>
</payment>
```

Refund purchase:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>refund-purchase</transaction-type>
  <parent-transaction-id>${get transaction id from parent transaction}
</parent-transaction-id>
  <ip-address>127.0.0.1</ip-address>
</payment>
```

Different Basic Auth credentials for refund:

Username: 16390-testing

Password: 3!3013=D3fD8X7

Refund capture for non credit card (e.g. Paypal):

```
<?xml version="1.0" encoding="utf-8"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>be17476f-1a0c-442e-8841-70e33996c0aa
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>refund-debit</transaction-type>
```

```
<payment-methods>
  <payment-method name="paypal" />
</payment-methods>
<requested-amount currency="EUR">1.23</requested-amount>
<parent-transaction-id>${get transaction id from parent transaction}
</parent-transaction-id>
<order-description>Test transaction Wirecard CEE.</order-description>
</payment>
```

Approve Reversal

An approval reversal needs a preceding transaction to reference to.

JAPI/SAPI:

```
COMMAND=APPROVEREVERSAL&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
PAYMENTTYPE=CREDITCARD&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
PAYMENTNUMBER=5462117&
ORDERNUMBER=5462117&
ADMIN_PASSWORD=test
```

REST API:

Void authorization:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>void-authorization</transaction-type>
  <parent-transaction-id>${get transaction id from parent transaction}
</parent-transaction-id>
  <ip-address>127.0.0.1</ip-address>
</payment>
```

Void preauthorization:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
```

```
<transaction-type>void-preauthorization</transaction-type>
<parent-transaction-id>${get transaction id from parent transaction}
</parent-transaction-id>
<ip-address>127.0.0.1</ip-address>
</payment>
```

Deposit Reversal

A deposit reversal needs a preceding transaction to reference to.

JAPI/SAPI:

```
COMMAND=DEPOSITREVERSAL&
MERCHANTKEY=41HxtdddMcf.z-rVhvc84C1.vwsnk7xoppacfzL0QdJHQ_&
PAYMENTTYPE=CREDITCARD&
ORDERDESCRIPTION=Test transaction Wirecard CEE.&
PAYMENTNUMBER=5462117&
ORDERNUMBER=5462117&
ADMIN_PASSWORD=test
```

REST API:

Void capture:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>void-capture</transaction-type>
  <parent-transaction-id>${get transaction id from parent transaction}
</parent-transaction-id>
  <ip-address>127.0.0.1</ip-address>
</payment>
```

Void purchase:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<payment xmlns="http://www.elastic-payments.com/schema/payment">
  <merchant-account-id>07edc10b-d3f9-4d12-901f-0db7f4c7e75c
</merchant-account-id>
  <request-id>${unique for each request}</request-id>
  <transaction-type>void-purchase</transaction-type>
  <parent-transaction-id>${get transaction id from parent transaction}
</parent-transaction-id>
```

```
<ip-address>127.0.0.1</ip-address>  
</payment>
```

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