

Sandbox vs. Production Comparative Documentation

scope PISP

Revision History

Version	Date	Author	Description
1	1.7.2023	SLSP	first version of the document describing the differences between the Sandbox and the SLSP production solution.

Introduction

Sandbox environment's implementation is based on mocked service (simulated and isolated) responses for called requests.

The aim of the document is to describe the differences between the sandbox solution and the production environment of the Third Party Providers (TPP) PSD2 interface.

Description of document structure

The aim of the document is to describe the differences between the Sandbox solution and the Production environment of the TPP PSD2 interface. The behavior of the Sandbox interface is described in the left column, the Production API in the right.

Requests are needed to be sent according to documentation on Erste Developer Portal ([Erste Developer Portal \(erstegroup.com\)](https://erstegroup.com))

Different responses for production and Sandbox are highlighted.

Each usecase consists of two lines. The first line contains the REQUEST for the endpoint. The second line is the RESPONSE of the API endpoint call.

The most common differences come out from different software architecture between Sandbox and Production, while Sandbox component for IDP processing (obtaining tokens, token verification and user authorization) is simplex, Production is significantly complex and results in major differences. The same principle is applied to architecture component used for syntax and semantics verification of Json structures (API Gateway)

These differences are described in general, not for every case, instead, for group of cases >

- IDP group – tokens, authorization and codes (Sandbox IDP cache lasts for 24 hours – refresh token does no longer exist)

- API GW group (syntax, semantics)

For Payment Information Services scope, the only interface in production (according to availability of comparing sources) comparable to sandbox environment is v1/psd2-pis/v1/payments/sepa-credit-transfers (principles and rules also applied over IDP and API GW components, commonly used for production healthcheck's testing)

Sensitive data (tokens, codes, secret keys, QWAC certificates and web api key) are replaced by placeholders

Error codes are described by EAH portal on site <https://developers.erstegroup.com/docs/apis/bank.slsp/> section documentation for appropriate scope

USECASE sensitivity on empty value

POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/psd2-pis/v1/payments/sepa-credit-transfers
HTTP/1.1
Accept-Encoding: gzip,deflate
X-Request-ID: 0affd006-4345-4d2f-b506-56a1cbd9795c
PSU-IP-Address: 10.215.28.1
PSU-Involved: false
TPP-IP-Address: 10.215.28.5
TPP-IP-Port: 1334
Content-Type: application/json
Authorization: Bearer {token value}
Web-API-Key: {web api key value}
Content-Length: 374
Host: webapi.developers.erstegroup.com
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)

```
{
  "debtorAccount": {
    "iban": "SK080900191919119542****"
  },
  "creditorAccount": {
    "iban": "SK26090000000001162****"
  },
  "creditorName": "TEST",
  "creditorAgent": "GIBASKBX",
  "instructedAmount": {
    "amount": "522.54",
    "currency": null
  },
  "requestedExecutionDate": "2022-12-30",
  "remittanceInformationUnstructured": "PAYREF20220712090740_TPP"
}
```

POST https://webapi.developers.erstegroup.com/api/slsp/production/v1/psd2-pis/v1/payments/sepa-credit-transfers
HTTP/1.1
Accept-Encoding: gzip,deflate
X-Request-ID: 59cab9db-10c1-413f-97f2-6ba6c68976cb
PSU-IP-Address: 10.215.28.1
PSU-Involved: false
TPP-IP-Address: 10.215.28.5
TPP-IP-Port: 1334
Content-Type: application/json
Authorization: Bearer {token value}
TPP-Decoupled-Preferred: true
Web-API-Key: {web api key value}
Content-Length: 385
Host: webapi.developers.erstegroup.com
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)

```
"debtorAccount": {
  "iban": "SK660900000000027357****"
},
"endToEndIdentification": "ENDTOENDID2023-08-25 01:12:49",
"creditorAccount": {
  "iban": "SK26090000000001162****"
},
"creditorName": "lol",
"creditorAgent": "GIBASKBX",
"instructedAmount": {
  "amount": "3.03",
  "currency": null
},
"remittanceInformationUnstructured": "PAYREF20230825011249"
}
```

HTTP/1.1 400

Date: Fri, 25 Aug 2023 11:24:50 GMT
Server: Apache
Strict-Transport-Security: max-age=31536000; includeSubDomains
authorization: Bearer {token value}
correlation-id: 158bed72-c09e-4518-93f3-ce7eb9ffeb63
forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https
ip-address: 84.47.113.4
origin-transaction-id: 144237588608259
psu-involved: false
psu-ip-address: 10.215.28.1
tpp-ip-address: 10.215.28.5
tpp-ip-port: 1334
tpp-qwac-body: {QWAC CERT}
transaction-id: 144237588608259
web-api-correlation-id: 158bed72-c09e-4518-93f3-ce7eb9ffeb63
web-api-key: {web api key value}
web-api-transaction-id: 144237588608259
x-forwarded-for: 84.47.113.4, 84.47.113.4
x-forwarded-host: webapi.developers.erstegroup.com
x-forwarded-port: 443
x-forwarded-proto: https
x-forwarded-server: webapi.developers.erstegroup.com

HTTP/1.1 400

Date: Fri, 25 Aug 2023 11:12:50 GMT
Server: Apache
Strict-Transport-Security: max-age=31536000; includeSubDomains
authorization: Bearer {token value}
correlation-id: bce68cb3-ceed-48f3-9cca-38df7c2d0e82
forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https
ip-address: 84.47.113.4
origin-transaction-id: 137254916962997
psu-involved: false
psu-ip-address: 10.215.28.1
tpp-decoupled-preferred: true
tpp-ip-address: 10.215.28.5
tpp-ip-port: 1334
tpp-qwac-body: {QWAC CERT}
tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a
transaction-id: 137254916962997
web-api-correlation-id: bce68cb3-ceed-48f3-9cca-38df7c2d0e82
web-api-key: {web api key value}
web-api-transaction-id: 137254916962997
x-correlationid: Id-b28ce864ece4beebb553c783 0
x-forwarded-for: 84.47.113.4, 84.47.113.4
x-forwarded-host: webapi.developers.erstegroup.com

x-request-id: 0affd006-4345-4d2f-b506-56a1cbd9795c
x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL
x-webapi-client-ip: 84.47.113.4
x-webapi-message-id: 144237588608259
content-type: application/json;charset=utf-8
content-length: 105
set-cookie: 48f65e4d401373b3b03cb2a02b953e21=66021cc56ca24c80b30d32fb8c3d6dff; path=/; HttpOnly; Secure; SameSite=None
Connection: close

```
{
  "tpMessages": [{"category": "ERROR", "code": "SERVICE_INVALID", "text": "Missing mandatory field currency"}]}

```

x-forwarded-port: 443
x-forwarded-proto: https
x-forwarded-server: webapi.developers.erstegroup.com
x-request-id: 59cab9db-10c1-413f-97f2-6ba6c68976cb
x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL
x-webapi-client-ip: 84.47.113.4
x-webapi-message-id: 137254916962997
content-type: application/json;charset=utf-8
content-length: 86
set-cookie: 48f65e4d401373b3b03cb2a02b953e21=c7423fb56783edba831b8d1678a72172; path=/; HttpOnly; Secure; SameSite=None
Connection: close

```
{
  "reasons": [],
  "details": {
    "msgId": "Id-b28ce864ece4beebb553c783"
  }
}

```

USECASE property malformed

POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/psd2-pis/v1/payments/sepa-credit-transfers HTTP/1.1
Accept-Encoding: gzip,deflate
X-Request-ID: 856e19b2-dad6-442b-a1b2-4e6d4db0a603
PSU-IP-Address: 10.215.28.1
PSU-Involved: false
TPP-IP-Address: 10.215.28.5
TPP-IP-Port: 1334
Content-Type: application/json
Authorization: Bearer {token value}
Web-API-Key: {web api key value}
Content-Length: 376
Host: webapi.developers.erstegroup.com
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)

```
{
  "debtorAccount": {
    "iban": "SK080900191919119542****"
  },
  "creditorAccount": {
    "iban": "SK26090000000001162****"
  },
  "creditorName": "TEST",
  "creditorAgent": "GIBASKBX",
  "instructedAmount": {
    "amount": "1E3R.TT",
    "currency": "EUR"
  },
  "requestedExecutionDate": "2022-12-30",
  "remittanceInformationUnstructured": "PAYREF20220712090740_TPP"
}
```

POST https://webapi.developers.erstegroup.com/api/slsp/production/v1/psd2-pis/v1/payments/sepa-credit-transfers HTTP/1.1
Accept-Encoding: gzip,deflate
X-Request-ID: 1c118430-0247-4abe-a751-93742a56cc2a
PSU-IP-Address: 10.215.28.1
PSU-Involved: false
TPP-IP-Address: 10.215.28.5
TPP-IP-Port: 1334
Content-Type: application/json
Authorization: Bearer {token value}
TPP-Decoupled-Preferred: true
Web-API-Key: {web api key value}
Content-Length: 390
Host: webapi.developers.erstegroup.com
Connection: Keep-Alive
User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)

```
{
  "debtorAccount": {
    "iban": "SK660900000000027357****"
  },
  "endToEndIdentification": "ENDTOENDID2023-08-25 01:51:08",
  "creditorAccount": {
    "iban": "SK26090000000001162****"
  },
  "creditorName": "lol",
  "creditorAgent": "GIBASKBX",
  "instructedAmount": {
    "amount": "1E3R.TT",
    "currency": "EUR"
  },
  "remittanceInformationUnstructured": "PAYREF20230825015108"
}
```

HTTP/1.1 400
Date: Fri, 25 Aug 2023 11:30:28 GMT
Server: Apache
Strict-Transport-Security: max-age=31536000; includeSubDomains

HTTP/1.1 400
Date: Fri, 25 Aug 2023 11:51:09 GMT
Server: Apache
Strict-Transport-Security: max-age=31536000; includeSubDomains

authorization: Bearer {token value}
correlation-id: 96f19f9f-1358-4ad2-a763-1968e70e484a
forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https
ip-address: 84.47.113.4
origin-transaction-id: 144970719401111
psu-involved: false
psu-ip-address: 10.215.28.1
tpp-ip-address: 10.215.28.5
tpp-ip-port: 1334
tpp-qwac-body: {QWAC CERT}
transaction-id: 144970719401111
web-api-correlation-id: 96f19f9f-1358-4ad2-a763-1968e70e484a
web-api-key: {web api key value}
web-api-transaction-id: 144970719401111
x-forwarded-for: 84.47.113.4, 84.47.113.4
x-forwarded-host: webapi.developers.erstegroup.com
x-forwarded-port: 443
x-forwarded-proto: https
x-forwarded-server: webapi.developers.erstegroup.com
x-request-id: 856e19b2-dad6-442b-a1b2-4e6d4db0a603
x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL
x-webapi-client-ip: 84.47.113.4
x-webapi-message-id: 144970719401111
content-type: application/json;charset=utf-8
content-length: 98
set-cookie: 48f65e4d401373b3b03cb2a02b953e21=c7423fb56783edba831b8d1678a72172; path=/; HttpOnly; Secure; SameSite=None
Connection: close

["tppMessages":[{"category":"ERROR","code":"SERVICE_INVALID","text":"Amount has invalid format"}]}

authorization: Bearer {token value}
cache-control: no-cache, no-store, max-age=0, must-revalidate
correlation-id: ea27946a-9558-49e8-bc93-2f833bac0078
expires: 0
forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https
ip-address: 84.47.113.4
max-forwards: 19
origin-transaction-id: 175057798062324
pragma: no-cache
psu-involved: false
psu-ip-address: 10.215.28.1
tpp-decoupled-preferred: true
tpp-ip-address: 10.215.28.5
tpp-ip-port: 1334
tpp-qwac-body: {QWAC CERT}
tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a
transaction-id: 175057798062324
via: , 1.1 sk01agw02a ()
web-api-correlation-id: ea27946a-9558-49e8-bc93-2f833bac0078
web-api-key: {web api key value}
web-api-transaction-id: 175057798062324
x-content-type-options: nosniff
x-correlationid: Id-ad95e86480f3a23b4d8a11f2 0; Id-ad95e86481f3d73a95920ed0 0
x-forwarded-for: 84.47.113.4, 84.47.113.4
x-forwarded-host: webapi.developers.erstegroup.com
x-forwarded-port: 443
x-forwarded-proto: https
x-forwarded-server: webapi.developers.erstegroup.com
x-frame-options: DENY
x-request-id: 1c118430-0247-4abe-a751-93742a56cc2a
x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL
x-webapi-client-ip: 84.47.113.4
x-webapi-message-id: 175057798062324
x-xss-protection: 1; mode=block
content-type: application/json;charset=utf-8
content-length: 160
set-cookie: 48f65e4d401373b3b03cb2a02b953e21=5b72f8e63e8fe91134d86ca418a81333; path=/; HttpOnly; Secure; SameSite=None
Connection: close

["tppMessages":[{"category":"ERROR","code":"SERVICE_INVALID","text":"Payment is not valid.PSD2 validation error: Amount validation failed for value: 1E3R.TT"}]}

USECASE structure malformed

POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/psd2-pis/v1/payments/sepa-credit-transfers
HTTP/1.1
Accept-Encoding: gzip,deflate
X-Request-ID: 7eaed6f4-e4a9-41fc-8f1a-151bb372a8f2
PSU-IP-Address: 10.215.28.1
PSU-Involved: false
TPP-IP-Address: 10.215.28.5
TPP-IP-Port: 1334
Content-Type: application/json
Authorization: Bearer {token value}
Web-API-Key: {web api key value}
Content-Length: 372
Host: webapi.developers.erstegroup.com
Connection: Keep-Alive

POST https://webapi.developers.erstegroup.com/api/slsp/production/v1/psd2-pis/v1/payments/sepa-credit-transfers
HTTP/1.1
Accept-Encoding: gzip,deflate
X-Request-ID: a45e016b-44bc-4209-b883-8b34d8c7d649
PSU-IP-Address: 10.215.28.1
PSU-Involved: false
TPP-IP-Address: 10.215.28.5
TPP-IP-Port: 1334
Content-Type: application/json
Authorization: Bearer {token value}
TPP-Decoupled-Preferred: true
Web-API-Key: {web api key value}
Content-Length: 386
Host: webapi.developers.erstegroup.com

<pre>User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1) "debtorAccount": { "iban": "SK080900191919119542****" }, "creditorAccount": { "iban": "SK26090000000001162****" }, "creditorName": "TEST", "creditorAgent": "GIBASKBX", "instructedAmount": { "amount": "5.43", "currency": "EUR" }, "requestedExecutionDate": "2022-12-30", "remittanceInformationUnstructured": "PAYREF20220712090740_TPP" }</pre>	<pre>Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1) "debtorAccount": { "iban": "SK660900000000027357****" }, "endToEndIdentification": "ENDTOENDID2023-08-25 01:54:13", "creditorAccount": { "iban": "SK26090000000001162****" }, "creditorName": "lol", "creditorAgent": "GIBASKBX", "instructedAmount": { "amount": "5.43", "currency": "EUR" }, "remittanceInformationUnstructured": "PAYREF20230825015413" }</pre>
--	---

```
HTTP/1.1 500
Date: Fri, 25 Aug 2023 11:43:26 GMT
Server: Apache
Strict-Transport-Security: max-age=31536000; includeSubDomains
authorization: Bearer {token value}
correlation-id: 60eb7877-7c97-4466-a5b5-1a68dfd4aa53
forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https
ip-address: 84.47.113.4
origin-transaction-id: 178172629650612
psu-involved: false
psu-ip-address: 10.215.28.1
tpp-ip-address: 10.215.28.5
tpp-ip-port: 1334
tpp-qwac-body: {QWAC CERT}
transaction-id: 178172629650612
web-api-correlation-id: 60eb7877-7c97-4466-a5b5-1a68dfd4aa53
web-api-key: {web api key value}
web-api-transaction-id: 178172629650612
x-forwarded-for: 84.47.113.4, 84.47.113.4
x-forwarded-host: webapi.developers.erstegroup.com
x-forwarded-port: 443
x-forwarded-proto: https
x-forwarded-server: webapi.developers.erstegroup.com
x-request-id: 7eaed6f4-e4a9-41fc-8f1a-151bb372a8f2
x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL
x-webapi-client-ip: 84.47.113.4
x-webapi-message-id: 178172629650612
content-type: application/json;charset=utf-8
content-length: 725
set-cookie: 48f65e4d401373b3b03cb2a02b953e21=a5ff01219e704c5070421245b29555dc; path=/; HttpOnly; Secure; SameSite=None
Connection: close

{"timestamp":"2023-08-25T13:43:27.45+02:00","status":500,"error":{"Internal Server Error"},"message":"the rule JavascriptRule {endpoint=post:/v1/payments/sepa-credit-transfers, functionFile=sepa-credit-transfers.js} of ruleSet RuleSet{id=f0db2410-cbb0-4816-9434-4357f94e157f, organization=bank.slsp, environment=env.slsp.sandbox, apiId=b68312c953ad694b40ca125fd830bea3, crc=P0jISvhUHLigMDYhsfcnQQ==, inserted=2023-05-23T14:46:07+02:00} threw exception: SyntaxError: Invalid JSON: <json>:2:18 Expected eof but found :\n\n \"debtorAccount\": {\n
```

```
HTTP/1.1 400
Date: Fri, 25 Aug 2023 11:54:13 GMT
Server: Apache
Strict-Transport-Security: max-age=31536000; includeSubDomains
authorization: Bearer {token value}
correlation-id: 25429c6e-d005-4f94-af2c-60afb733cea0
forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https
ip-address: 84.47.113.4
origin-transaction-id: 183302425226420
psu-involved: false
psu-ip-address: 10.215.28.1
tpp-decoupled-preferred: true
tpp-ip-address: 10.215.28.5
tpp-ip-port: 1334
tpp-qwac-body: {QWAC CERT}
tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a
transaction-id: 183302425226420
web-api-correlation-id: 25429c6e-d005-4f94-af2c-60afb733cea0
web-api-key: {web api key value}
web-api-transaction-id: 183302425226420
x-correlationid: Id-6596e86423f0e14694be610a 0
x-forwarded-for: 84.47.113.4, 84.47.113.4
x-forwarded-host: webapi.developers.erstegroup.com
x-forwarded-port: 443
x-forwarded-proto: https
x-forwarded-server: webapi.developers.erstegroup.com
x-request-id: a45e016b-44bc-4209-b883-8b34d8c7d649
x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL
x-webapi-client-ip: 84.47.113.4
x-webapi-message-id: 183302425226420
content-type: application/json;charset=utf-8
content-length: 86
set-cookie: 48f65e4d401373b3b03cb2a02b953e21=66021cc56ca24c80b30d32fb8c3d6dff; path=/; HttpOnly; Secure; SameSite=None
Connection: close

{"reasons": [],
```

<pre>in validators.js at line number 92", "path": "/sandboxmockbox/mockbox/bank.slsip/env.slsip.sandbox/b68312c953ad694b40ca125fd830bea3/v1/payments /sepacredit-transfers"]</pre>	<pre>"details": { "msgId": "Id-6596e86423f0e14694be610a" }</pre>
<p>USECASE IDP Token exchange (token malformed)</p>	
<pre>POST https://webapi.developers.erstegroup.com/api/slsip/sandbox/v1/sandbox- idp/token?grant_type=refresh_token&refresh_token={token value}&scope=PIIS&redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&code_verifier=habbabbaba1 HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: x-www-form-urlencoded Authorization: Basic {code for basic auth} Content-Length: 0 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</pre>	<pre>POST https://login.slsip.sk/sezamas/v1/token HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded Authorization: Basic {code for basic auth} Content-Length: 80 Host: login.slsip.sk Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1) grant_type=refresh_token&refresh_token={token value}&scope=PIS</pre>
<pre>HTTP/1.1 400 Date: Wed, 23 Aug 2023 07:35:57 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains authorization: Basic {code for basic auth} correlation-id: d7a162fc-f91a-4c94-af53-3d1058d90b72 forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https ip-address: 84.47.113.2 origin-transaction-id: 136429181528718 transaction-id: 136429181528718 web-api-correlation-id: d7a162fc-f91a-4c94-af53-3d1058d90b72 web-api-transaction-id: 136429181528718 x-forwarded-for: 84.47.113.2, 84.47.113.2 x-forwarded-host: webapi.developers.erstegroup.com x-forwarded-port: 443 x-forwarded-proto: https x-forwarded-server: webapi.developers.erstegroup.com x-webapi-client-ip: 84.47.113.2 x-webapi-message-id: 136429181528718 content-type: application/json;charset=utf-8 content-length: 748 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=c7423fb56783edba831b8d1678a72172; path=/; HttpOnly; Secure; SameSite=None Connection: close {"error": "Parameter 'refresh_token' is not properly base64-encoded or contains invalid data", "data": {"grant_type": "refresh_token", "code": null, "refresh_token": "{token value}", "client_id": "348f44cc-8bc0- 4e39-b5a9-badd52297a02", "redirect_uri": "https://httpbin.org/get", "code_verifier": "habbabbaba1"}]}</pre>	<pre>HTTP/1.1 400 Date: Wed, 23 Aug 2023 07:41:10 GMT Server: Apache X-Frame-Options: SAMEORIGIN Strict-Transport-Security: max-age=16070400 Pragma: no-cache Cache-control: no-cache; no-store X-XSS-Protection: 1; mode=block X-Content-Type-Options: nosniff Expires: -1 Content-Type: application/json;charset=UTF-8 Content-Length: 25 Set-Cookie: JSESSIONID=A540EC9578AC0B0A10F93191B908A46E; Path=/sezamas; Secure; HttpOnly Content-Security-Policy: object-src 'none'; default-src 'self' *.slsp.sk.*; script-src 'self' https://cdn.tagcommander.com https://cdn.trustcommander.net; connect-src 'self' *.commander1.com.* *.tagcommander.com.* *.trustcommander.net.* *.slsp.sk.* https://127.0.0.1.*; img-src 'self' *.tagcommander.com.* *.slsp.sk.* *.erstegroup.com.* data;; media-src 'self' data;; style-src 'self' 'sha256- xlE6UuUzsp7Bsn/27WidtbqqpED5ucNOo55w9a+J0dl=' 'sha256-j2/M0GaQJ23h4pl/jEyZbip5SeWY6hn20XcuQ9qkEzU='; font-src 'self'; frame-ancestors 'self' X-Cnection: close Set-Cookie: login=ICQqnrhA/IP6hAV/hZNjAS1uzHSSTcMap1XjJNEWymSJmh6wATZT0mg4LOtrdAgqG7nZfNi37l8BsYJcAWGdBFiN3s/M DjnrX/VCS58ZoFGPDh; path=/; Httponly; Secure {"error": "invalid_grant"}</pre>
<p>USECASE IDP Token obtain (code malformed)</p>	
<pre>POST https://webapi.developers.erstegroup.com/api/slsip/sandbox/v1/sandbox- idp/token?code_verifier=habbabbaba1&redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant_type=authorization_co de&code={code value}&client_id=348f44cc-8bc0-4e39-b5a9-badd52297a02 HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded Authorization: Basic {code for basic auth} Content-Length: 0 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</pre>	<pre>POST https://login.slsip.sk/sezamas/v1/token HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded;charset=UTF-8 Authorization: Basic {code for basic auth} Content-Length: 147 Host: login.slsip.sk Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1) redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant_type=authorization_code&code={code value}&code_verifier=huehehehe123produkcia</pre>

<p>HTTP/1.1 400 Date: Wed, 23 Aug 2023 07:34:26 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains authorization: Basic {code for basic auth} correlation-id: 33660fb5-2c95-4342-b8aa-9e1d5f513193 forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https ip-address: 84.47.113.2 origin-transaction-id: 129480277918249 transaction-id: 129480277918249 web-api-correlation-id: 33660fb5-2c95-4342-b8aa-9e1d5f513193 web-api-transaction-id: 129480277918249 x-forwarded-for: 84.47.113.2, 84.47.113.2 x-forwarded-host: webapi.developers.erstegroup.com x-forwarded-port: 443 x-forwarded-proto: https x-forwarded-server: webapi.developers.erstegroup.com x-webapi-client-ip: 84.47.113.2 x-webapi-message-id: 129480277918249 content-type: application/json;charset=utf-8 content-length: 743 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=5b72f8e63e8fe91134d86ca418a81333; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <p>{"error": "Parameter 'code' is not properly base64-encoded or contains invalid data", "data": {"grant_type": "authorization_code", "code": "{code value}", "refresh_token": null, "client_id": "348f44cc-8bc0-4e39-b5a9-badd52297a02", "redirect_uri": "https://httpbin.org/get", "code_verifier": "habbabbaba1"}}</p>	<p>HTTP/1.1 400 Date: Wed, 23 Aug 2023 07:40:31 GMT Server: Apache X-Frame-Options: SAMEORIGIN Strict-Transport-Security: max-age=16070400 Pragma: no-cache Cache-control: no-cache; no-store X-XSS-Protection: 1; mode=block X-Content-Type-Options: nosniff Expires: -1 Content-Type: application/json;charset=UTF-8 Content-Length: 71 Set-Cookie: JSESSIONID=59A3B8C6B47421E67A07B744A22FCF95; Path=/sezamas; Secure; HttpOnly Content-Security-Policy: object-src 'none'; default-src 'self' *.slsp.sk.*; script-src 'self' https://cdn.tagcommander.com https://cdn.trustcommander.net; connect-src 'self' *.commander1.com.* *.tagcommander.com.* *.trustcommander.net.* *.slsp.sk.* https://127.0.0.1.*/*; img-src 'self' *.tagcommander.com.* *.slsp.sk.* *.erstegroup.com.* data;; media-src 'self' data;; style-src 'self' 'sha256-xlE6UuUzsp7Bsn/27WidtbqqpED5ucNOo55w9a+J0dI=' 'sha256-j2/M0GaQJ23h4pl/jEyZbip5SeWY6hn20XcuQ9qkEzU='; font-src 'self'; frame-ancestors 'self' X-Cnection: close Set-Cookie: login=lqiykWe2DlnG8SvThZnJAS1uzHSSTcO9Vif/IFcgDIzIrjGVLAX5WPf1SLzJrqKTRLRqP9mfKbi9hEUhYEPcl/txWt8Y1GPp2t bQ6Rlmx1noc; path=/; Httponly; Secure</p> <p>{"error": "invalid_grant_type", "error_description": "invalid grant type"}</p>
<p>USECASE IDP Token obtain (invalid basic auth – malformed oauthid)</p>	
<p>POST https://webapi.developers.erstegroup.com/api/sls/sandbox/v1/sandbox-idp/token?code_verifier=bubinka&redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant_type=authorization_code&code={code value}&client_id=348f44cc-8bc0-4e39-b5a9-badd52297a01 HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded Authorization: Basic {code for basic auth} Content-Length: 0 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p>	<p>POST https://login.slsp.sk/sezamas/v1/token HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded;charset=UTF-8 Authorization: Basic {code for basic auth} Content-Length: 147 Host: login.slsp.sk Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <p>redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant_type=authorization_code&code={code value}&code_verifier=huehehehe123produkcia</p>
<p>HTTP/1.1 400 Date: Wed, 23 Aug 2023 09:08:13 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains authorization: Basic {code for basic auth} correlation-id: a127b9b0-f1aa-4bd8-86b6-3275bd3507d1 forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https ip-address: 84.47.113.2 origin-transaction-id: 189603936458660 transaction-id: 189603936458660 web-api-correlation-id: a127b9b0-f1aa-4bd8-86b6-3275bd3507d1 web-api-transaction-id: 189603936458660 x-forwarded-for: 84.47.113.2, 84.47.113.2 x-forwarded-host: webapi.developers.erstegroup.com x-forwarded-port: 443 x-forwarded-proto: https x-forwarded-server: webapi.developers.erstegroup.com</p>	<p>HTTP/1.1 400 Date: Wed, 23 Aug 2023 08:22:41 GMT Server: Apache X-Frame-Options: SAMEORIGIN Strict-Transport-Security: max-age=16070400 Pragma: no-cache Cache-control: no-cache; no-store X-XSS-Protection: 1; mode=block X-Content-Type-Options: nosniff Expires: -1 Content-Type: application/json;charset=UTF-8 Content-Length: 63 Set-Cookie: JSESSIONID=7F59503F3E48B4A07096CDB0354BDB37; Path=/sezamas; Secure; HttpOnly Content-Security-Policy: object-src 'none'; default-src 'self' *.slsp.sk.*; script-src 'self' https://cdn.tagcommander.com https://cdn.trustcommander.net; connect-src 'self' *.commander1.com.* *.tagcommander.com.* *.trustcommander.net.* *.slsp.sk.* https://127.0.0.1.*/*; img-src 'self' *.tagcommander.com.* *.slsp.sk.* *.erstegroup.com.* data;; media-src 'self' data;; style-src 'self' 'sha256-</p>

<pre>x-webapi-client-ip: 84.47.113.2 x-webapi-message-id: 189603936458660 content-type: application/json;charset=utf-8 content-length: 685 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=c7423fb56783edba831b8d1678a72172; path=/; HttpOnly; Secure; SameSite=None Connection: close {"error":"Error getting applInfo: Unknown client id","data":{"grant_type":"authorization_code","code":{"code value}"},"refresh_token":null,"client_id":"348f44cc-8bc0-4e39-b5a9-badd52297a01","redirect_uri":"https://httpbin.org/get","code_verifier":"bubinka"},"applInfo":{"error":{"code":"UNKNOWN_CLIENT_ID"},"message":"Unknown Client ID","context":null,"httpCode":400}}</pre>	<pre>xLE6UuUzsp7Bsn/27WidtbqqpED5ucNOo55w9a+J0dl='sha256-j2/M0GaQJ23h4pl/jEyZbip5SeWY6hn20XcuQ9qkEzU='; font-src 'self'; frame-ancestors 'self' X-Cnection: close Set-Cookie: login=lua01yzxkGy4zDKPhZnJAS1uzHSSTcOUjucMVTUQIbEChw3waSXLpE4OxK/xV6Ks7LAvxvB6LBuulvZhriLsmjfnh998Td/x7pchfjhMD5i8; path=/; Httponly; Secure {"error":"invalid_client","error_description":"NO_SUCH_CLIENT"}</pre>
USECASE IDP Token obtain (invalid basic auth – malformed secret)	
<pre>POST https://webapi.developers.erstegroup.com/api/sfsp/sandbox/v1/sandbox-idp/token?code_verifier=bubinka&redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant_type=authorization_code&code={code value}&client_id=348f44cc-8bc0-4e39-b5a9-badd52297a02 HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded Authorization: Basic {code for basic auth} Content-Length: 0 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</pre>	<pre>POST https://login.sfsp.sk/sezamas/v1/token HTTP/1.1 Accept-Encoding: gzip,deflate Content-Type: application/x-www-form-urlencoded;charset=UTF-8 Authorization: Basic {code for basic auth} Content-Length: 147 Host: login.sfsp.sk Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1) redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant_type=authorization_code&code={code value}&code_verifier=huehehehe123produkcia</pre>
<pre>HTTP/1.1 400 Date: Wed, 23 Aug 2023 09:12:44 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains authorization: Basic {code for basic auth} correlation-id: dfa9b42e-eee3-4daf-8eee-85afc35d2f47 forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https ip-address: 84.47.113.2 origin-transaction-id: 125555364908968 transaction-id: 125555364908968 web-api-correlation-id: dfa9b42e-eee3-4daf-8eee-85afc35d2f47 web-api-transaction-id: 125555364908968 x-forwarded-for: 84.47.113.2, 84.47.113.2 x-forwarded-host: webapi.developers.erstegroup.com x-forwarded-port: 443 x-forwarded-proto: https x-forwarded-server: webapi.developers.erstegroup.com x-webapi-client-ip: 84.47.113.2 x-webapi-message-id: 125555364908968 content-type: application/json;charset=utf-8 content-length: 557 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=c7423fb56783edba831b8d1678a72172; path=/; HttpOnly; Secure; SameSite=None Connection: close {"error":"Client secret invalid","data":{"grant_type":"authorization_code","code":{"code value}"},"refresh_token":null,"client_id":"348f44cc-8bc0-4e39-b5a9-badd52297a02","redirect_uri":"https://httpbin.org/get","code_verifier":"bubinka"}}</pre>	<pre>HTTP/1.1 400 Date: Wed, 23 Aug 2023 09:12:14 GMT Server: Apache X-Frame-Options: SAMEORIGIN Strict-Transport-Security: max-age=16070400 Pragma: no-cache Cache-control: no-cache; no-store X-XSS-Protection: 1; mode=block X-Content-Type-Options: nosniff Expires: -1 Content-Type: application/json;charset=UTF-8 Content-Length: 68 Set-Cookie: JSESSIONID=2988BC9691357A5420FAF04A2884D3ED; Path=/sezamas; Secure; HttpOnly Content-Security-Policy: object-src 'none'; default-src 'self' *.slsp.sk.*; script-src 'self' https://cdn.tagcommander.com https://cdn.trustcommander.net; connect-src 'self' *.commander1.com:* *.tagcommander.com:* *.trustcommander.net:* *.slsp.sk:* https://127.0.0.1:*/; img-src 'self' *.tagcommander.com:* *.slsp.sk:* *.erstegroup.com:* data;; media-src 'self' data;; style-src 'self' 'sha256-xLE6UuUzsp7Bsn/27WidtbqqpED5ucNOo55w9a+J0dl=' 'sha256-j2/M0GaQJ23h4pl/jEyZbip5SeWY6hn20XcuQ9qkEzU='; font-src 'self'; frame-ancestors 'self' X-Cnection: close Set-Cookie: login=luGNGOZ/IBtMZ9+/hZNJAS1uzHSSTcGeEHChYi4TJTqClrW2Dl7IFxxGtVsAXvF6NY4bBbE4vQmHPqilGcsJ1xh+dwawc/jahXeuJU+nNnBw; path=/; Httponly; Secure {"error":"invalid_client","error_description":"WRONG_CLIENT_SECRET"}</pre>