

Sandbox vs. Production Comparative Documentation scope AISP

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
- API GW group (syntax and semantics)

No differences over TPP BE (backend) Sandbox compared to TPP BE Production have been identified. 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/sfsp/sandbox/v1/psd2-ais/v1/consents HTTP/1.1

Accept-Encoding: gzip,deflate

X-Request-ID: 149ef943-46a1-451e-ac5e-2f932819b0d2

PSU-Involved: false

TPP-IP-Address: 10.215.28.5

TPP-IP-Port: 1234

Content-Type: application/json

Web-API-Key: {web api key value}

Content-Length: 176

Host: webapi.developers.erstegroup.com

Connection: Keep-Alive

User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)

```
{"access": {
"balances": [],
"transactions": []
},
"recurringIndicator": true,
"combinedServiceIndicator": false,
"allAccounts": false,
"validUntil": "",
"frequencyPerDay": 4
}
```

HTTP/1.1 500

Date: Sat, 03 Jun 2023 13:13:20 GMT

Server: Apache

Strict-Transport-Security: max-age=31536000; includeSubDomains

access-control-allow-origin: *

correlation-id: 9ff4e2ed-443c-4dc8-9313-859d1f385d2c

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: 172671026252215

psu-involved: false

tpp-ip-address: 10.215.28.5

tpp-ip-port: 1234

tpp-qwac-body: {QWAC CERT}

transaction-id: 172671026252215

web-api-correlation-id: 9ff4e2ed-443c-4dc8-9313-859d1f385d2c

web-api-key: {web api key value}

web-api-transaction-id: 172671026252215

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: 149ef943-46a1-451e-ac5e-2f932819b0d2

x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL

x-webapi-client-ip: 84.47.113.4

x-webapi-message-id: 172671026252215

content-type: application/json;charset=utf-8

content-length: 95

set-cookie: 48f65e4d401373b3b03cb2a02b953e21=2732836332dc70be541dcd7b6003fe2c; path=/; HttpOnly; Secure; SameSite=None

POST https://webapi.developers.erstegroup.com/api/sfsp/production/v1/psd2-ais/v1/consents HTTP/1.1

Accept-Encoding: gzip,deflate

X-Request-ID: a35e8cc1-4460-4de1-aaed-0913022adf8f

PSU-Involved: false

TPP-IP-Address: 10.215.28.5

TPP-IP-Port: 1334

Content-Type: application/json

Web-API-Key: {web api key value}

Content-Length: 144

Host: webapi.developers.erstegroup.com

Connection: Keep-Alive

User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)

```
{"access": {
"balances": [ ],
"transactions": [ ]
},
"recurringIndicator": true,
"allAccounts": false,
"validUntil": "",
"frequencyPerDay": "4"
}
```

HTTP/1.1 400

Date: Sat, 03 Jun 2023 13:12:27 GMT

Server: Apache

Strict-Transport-Security: max-age=31536000; includeSubDomains

correlation-id: 0cb9d2f9-312a-4997-a62d-3c013ed7a5a3

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: 164350718321878

psu-involved: false

tpp-ip-address: 10.215.28.5

tpp-ip-port: 1334

tpp-qwac-body: {QWAC CERT}

tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a

transaction-id: 164350718321878

web-api-correlation-id: 0cb9d2f9-312a-4997-a62d-3c013ed7a5a3

web-api-key: {web api key value}

web-api-transaction-id: 164350718321878

x-correlationid: ld-3b3c7b64be4dcdd7e1299d24 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: a35e8cc1-4460-4de1-aaed-0913022adf8f

x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL

x-webapi-client-ip: 84.47.113.4

x-webapi-message-id: 164350718321878

content-type: application/json;charset=utf-8

content-length: 86

<p>Connection: close</p> <pre>["error": "<json>:8:14 Expected json literal but found '\n\\\"validUntil\\\": \"\",\n ^"]</pre>	<p>set-cookie: 48f65e4d401373b3b03cb2a02b953e21=9ebd2313cf66bfe5b397b3dbdccc8776; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <pre>{ "reasons": [], "details": { "msgId": "Id-3b3c7b64be4dcdd7e1299d24" } }</pre>
<p>USECASE property malformed</p> <p>POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/psd2-ais/v1/consents HTTP/1.1 Accept-Encoding: gzip,deflate X-Request-ID: ddf63d94-95a2-42a3-b76a-4f802948f242 PSU-Involved: false TPP-IP-Address: 10.215.28.5 TPP-IP-Port: 1234 Content-Type: application/json Web-API-Key: {web api key value} Content-Length: 151 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{"access": null, "recurringIndicator": true, "combinedServiceIndicator": false, "allAccounts": false, "validUntil": "2022-12-29", "frequencyPerDay":4 }</pre>	<p>POST https://webapi.developers.erstegroup.com/api/slsp/production/v1/psd2-ais/v1/consents HTTP/1.1 Accept-Encoding: gzip,deflate X-Request-ID: 5f655237-ec22-4eee-8fba-9eedcdb86ab9 PSU-Involved: false TPP-IP-Address: 10.215.28.5 TPP-IP-Port: 1334 Content-Type: application/json Web-API-Key: {web api key value} Content-Length: 151 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{"access": null, "recurringIndicator": true, "combinedServiceIndicator": false, "allAccounts": false, "validUntil": "2022-12-29", "frequencyPerDay":4 }</pre>
<p>HTTP/1.1 500 Date: Sat, 03 Jun 2023 14:14:22 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains access-control-allow-origin: * correlation-id: 48bb7e78-952e-485d-b398-d6cd42574859 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: 133942804059869 psu-involved: false tpp-ip-address: 10.215.28.5 tpp-ip-port: 1234 tpp-qwac-body: {QWAC CERT} transaction-id: 133942804059869 web-api-correlation-id: 48bb7e78-952e-485d-b398-d6cd42574859 web-api-key: {web api key value} web-api-transaction-id: 133942804059869 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: ddf63d94-95a2-42a3-b76a-4f802948f242 x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL x-webapi-client-ip: 84.47.113.4 x-webapi-message-id: 133942804059869</p>	<p>HTTP/1.1 400 Date: Sat, 03 Jun 2023 14:16:23 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains cache-control: no-cache, no-store, max-age=0, must-revalidate correlation-id: a9819f44-8ae4-44dd-bd49-84afdc8f3639 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: 130374818300046 pragma: no-cache psu-involved: false tpp-ip-address: 10.215.28.5 tpp-ip-port: 1334 tpp-qwac-body: {QWAC CERT} tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a transaction-id: 130374818300046 via: , 1.1 sk01agw02a () web-api-correlation-id: a9819f44-8ae4-44dd-bd49-84afdc8f3639 web-api-key: {web api key value} web-api-transaction-id: 130374818300046 x-content-type-options: nosniff x-correlationid: Id-374b7b64a35466a41b1c75df 0; Id-374b7b64a45405487033921c 0 x-forwarded-for: 84.47.113.4, 84.47.113.4 x-forwarded-host: webapi.developers.erstegroup.com</p>

<p>content-type: application/json;charset=utf-8 content-length: 63 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=2732836332dc70be541dcd7b6003fe2c; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <p>{"error":"TypeError: Cannot get property \"balances\" of null"}</p>	<p>x-forwarded-port: 443 x-forwarded-proto: https x-forwarded-server: webapi.developers.erstegroup.com x-frame-options: DENY x-request-id: 5f655237-ec22-4eee-8fba-9eedcdb86ab9 x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL x-webapi-client-ip: 84.47.113.4 x-webapi-message-id: 130374818300046 x-xss-protection: 1; mode=block content-type: application/json;charset=utf-8 content-length: 96 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=9cc998e65d1741d8dbf0a3d713070a46; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <p>{"tppMessages":[{"category":"ERROR","code":"PARAMETER_NOT_CONSISTENT","text":"Missing access"}]}</p>
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<p>USECASE structure malformed</p>	
<p>POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/psd2-ais/v1/consents HTTP/1.1 Accept-Encoding: gzip,deflate X-Request-ID: bde2d669-ed77-40b4-8090-bafeaab06205 PSU-Involved: false TPP-IP-Address: 10.215.28.5 TPP-IP-Port: 1234 Content-Type: application/json Web-API-Key: {web api key value} Content-Length: 136 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{ "recurringIndicator": true, "combinedServiceIndicator": false, "allAccounts": false, "validUntil": "2022-12-29", "frequencyPerDay":4 }</pre>	<p>POST https://webapi.developers.erstegroup.com/api/slsp/production/v1/psd2-ais/v1/consents HTTP/1.1 Accept-Encoding: gzip,deflate X-Request-ID: fba718e6-c89b-466e-a59d-42d4cd22d2cb PSU-Involved: false TPP-IP-Address: 10.215.28.5 TPP-IP-Port: 1334 Content-Type: application/json Web-API-Key: {web api key value} Content-Length: 136 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{ "recurringIndicator": true, "combinedServiceIndicator": false, "allAccounts": false, "validUntil": "2022-12-29", "frequencyPerDay":4 }</pre>

<p>HTTP/1.1 500 Date: Sat, 03 Jun 2023 14:22:59 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains access-control-allow-origin: * correlation-id: eb4ea698-428f-44ca-bf26-1d6d27a96ee3 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: 135527810794987 psu-involved: false tpp-ip-address: 10.215.28.5 tpp-ip-port: 1234 tpp-qwac-body: {QWAC CERT} transaction-id: 135527810794987 web-api-correlation-id: eb4ea698-428f-44ca-bf26-1d6d27a96ee3 web-api-key: {web api key value} web-api-transaction-id: 135527810794987 x-forwarded-for: 84.47.113.4, 84.47.113.4 x-forwarded-host: webapi.developers.erstegroup.com x-forwarded-port: 443</p>	<p>HTTP/1.1 400 Date: Sat, 03 Jun 2023 14:24:26 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains cache-control: no-cache, no-store, max-age=0, must-revalidate correlation-id: a2d72ac4-7e13-4c61-9b91-770c43e64bc2 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: 176958828594945 pragma: no-cache psu-involved: false tpp-ip-address: 10.215.28.5 tpp-ip-port: 1334 tpp-qwac-body: {QWAC CERT} tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a transaction-id: 176958828594945 via: , 1.1 sk01agw02b () web-api-correlation-id: a2d72ac4-7e13-4c61-9b91-770c43e64bc2</p>
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<p>x-forwarded-proto: https x-forwarded-server: webapi.developers.erstegroup.com x-request-id: bde2d669-ed77-40b4-8090-bafeaab06205 x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL x-webapi-client-ip: 84.47.113.4 x-webapi-message-id: 135527810794987 content-type: application/json;charset=utf-8 content-length: 71 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=cef581d954f5e075d946e1122bda44f3; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <p>{"error":"TypeError: Cannot read property \"balances\" from undefined"}</p>	<p>web-api-key: {web api key value} web-api-transaction-id: 176958828594945 x-content-type-options: nosniff x-correlationid: Id-1a4d7b640c661bc3c5a1f9c0 0; Id-1a4d7b640d663658462c4978 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: fba718e6-c89b-466e-a59d-42d4cd22d2cb x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL x-webapi-client-ip: 84.47.113.4 x-webapi-message-id: 176958828594945 x-xss-protection: 1; mode=block content-type: application/json;charset=utf-8 content-length: 96 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=cef581d954f5e075d946e1122bda44f3; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <p>{"tppMessages":[{"category":"ERROR","code":"PARAMETER_NOT_CONSISTENT","text":"Missing access"}]}</p>
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USECASE IDP Token exchange (token malformed)

<p>POST https://webapi.developers.erstegroup.com/api/slspsandbox/v1/sandbox-idp/token?grant_type=refresh_token&refresh_token={token value}&scope=AIS&redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&code_verifier=habbbababa1 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)</p>	<p>POST https://login.slsk.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.slsk.sk Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <p>grant_type=refresh_token&refresh_token={token value}&scope=AIS</p>
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<p>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</p>	<p>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=!CQqnrhA/IP6hAV/hZNjAS1uzHSSTcMap1XjJNEWymSJmh6wATZT0mg4LOtrdAgqG7nZfNI37l8BsYJcAWGdBfIN3s/M Djnrx/VCS58z0FGPDh; path=/; Httponly; Secure</p>
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<pre> {"error": "Parameter 'refresh_token' is not properly base64-encoded or contains invalid data", "data": {"grant_type": "refresh_token", "code": null, "refresh_token": {"refresh token"}, "client_id": "348f44cc-8bc0-4e39-b5a9-badd52297a02", "redirect_uri": "https://httpbin.org/get", "code_verifier": "habbabbaba1"}} </pre>	<pre> {"error": "invalid_grant"} </pre>
<p>USECASE IDP Token obtain (code malformed)</p>	
<p>POST https://webapi.developers.erstegroup.com/api/sfsp/sandbox/v1/sandbox-idp/token?code_verifier=habbabbaba1&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</p> <p>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.sfsp.sk/sezamas/v1/token HTTP/1.1</p> <p>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)</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</p> <p>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> <pre> {"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"}} </pre>	<p>HTTP/1.1 400</p> <p>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+J0dl=' 'sha256-j2/M0GaQJ23h4pl/jEyZbip5SeWY6hn20XcuQ9qkEzU='; font-src 'self'; frame-ancestors 'self' X-Cnection: close Set-Cookie: login=!qiYkWe2DlnG8SvThZnJAS1uzHSSTcO9Vif/IFcgDIZirJgVLAX5WPf1SLzJrqKTRLRqP9mfKbi9hEUhYEPcl/txWt8Y1GPP2t bQ6Rlmx1noc; path=/; Httponly; Secure</p> <pre> {"error": "invalid_grant_type", "error_description": "invalid grant type"} </pre>
<p>USECASE IDP Token obtain (invalid basic auth – malformed oauthd)</p>	
<p>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&ode={code value}&client_id=348f44cc-8bc0-4e39-b5a9-badd52297a01 HTTP/1.1</p> <p>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.sfsp.sk/sezamas/v1/token HTTP/1.1</p> <p>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)</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 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</p> <p>{"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":"UNKNO WN_CLIENT_ID"},"message":"Unknown Client ID","context":null,"httpCode":400}}</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-xlE6UuUzsp7Bsn/27WidtbqqpED5ucNOo55w9a+J0dl=' 'sha256-j2/M0GaQJ23h4pl/jEyZbip5SeWY6hn20XcuQ9qkEzU='; font-src 'self'; frame-ancestors 'self' X-Cnection: close Set-Cookie: login=lua01yzxkGy4zDKPhZnJAS1uzHSSTcOUjucMVTUQlEbChw3waSXLpE4Oxk/xV6Ks7LAvxvB6LBuulvZhrilSmjfnfh998Td/x7pchfjhMD5i8; path=/; Httponly; Secure</p> <p>{"error":"invalid_client","error_description":"NO_SUCH_CLIENT"}</p>
<p>USECASE IDP Token obtain (invalid basic auth – malformed secret)</p>	
<p>POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/sandbox-idp/token?code_verifier=bubinka&redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant_type=authorization_code&ode={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)</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 09:12:44 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</p>	<p>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:*</p>

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"}}
```

.erstegroup.com: data:; media-src 'self' data:; style-src 'self' 'sha256-xIE6UuUzsp7Bsn/27WidtbqqpED5ucNOo55w9a+J0dl=' 'sha256-j2/M0GaQJ23h4pl/jEyZbip5SeWY6hn20XcuQ9qkEzU='; font-src 'self'; frame-ancestors 'self'
X-Cnection: close
Set-Cookie: login=!uGNGOZ/IBtMZ9+/hZNjAS1uzHSSTcGeEHChYi4TJTqClrW2DI7IFxxGtVsAXvF6NY4bBbE4vQJmHPqILgcsJ1xh+dwawc/jahXeujU+nNnBw; path=/; Httponly; Secure

```
{"error":"invalid_client","error_description":"WRONG_CLIENT_SECRET"}
```