

# Sandbox vs. Production Comparative Documentation

## scope PIIS

### 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://developers.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, semantics)

No differences over TPP BE (backend) Sandbox compared to TPP BE Production have been identified.

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-ais/v1/consents HTTP/1.1

Accept-Encoding: gzip,deflate

X-Request-ID: 8c96ceeb-5e92-4b76-8fe0-95bbf8969a5b

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": {
    "sufficientFunds": []
  },
  "recurringIndicator": true,
  "combinedServiceIndicator": false,
  "validUntil": "",
  "frequencyPerDay": "4"
}
```

**HTTP/1.1 500**

Date: Wed, 23 Aug 2023 07:14:56 GMT

Server: Apache

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

correlation-id: a2946665-77fd-4821-877a-c8eaae16bc1f

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: 193052582681500

psu-involved: false

tpp-ip-address: 10.215.28.5

tpp-ip-port: 1334

tpp-qwac-body: {QWAC CERT}

transaction-id: 193052582681500

web-api-correlation-id: a2946665-77fd-4821-877a-c8eaae16bc1f

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

web-api-transaction-id: 193052582681500

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-request-id: 8c96ceeb-5e92-4b76-8fe0-95bbf8969a5b

x-traits: TPP\_ONLY;PSD2\_QWAC;PSD2\_QSEAL\_OPTIONAL

x-webapi-client-ip: 84.47.113.2

x-webapi-message-id: 193052582681500

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

content-length: 686

set-cookie: 48f65e4d401373b3b03cb2a02b953e21=5b72f8e63e8fe91134d86ca418a81333; path=/; HttpOnly; Secure;

SameSite=None

Connection: close

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

Accept-Encoding: gzip,deflate

X-Request-ID: 1f8116c6-ae45-4913-9054-428224e2a0b3

PSU-Involved: true

TPP-IP-Address: 10.215.28.5

TPP-IP-Port: 1334

Content-Type: application/json

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

Content-Length: 143

Host: webapi.developers.erstegroup.com

Connection: Keep-Alive

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

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

**HTTP/1.1 400**

Date: Wed, 23 Aug 2023 07:18:05 GMT

Server: Apache

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

correlation-id: 40a618cd-affc-4c8d-8df6-9974f1c225ca

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: 149453092943407

psu-involved: true

tpp-ip-address: 10.215.28.5

tpp-ip-port: 1334

tpp-qwac-body: {QWAC CERT}

tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a

transaction-id: 149453092943407

web-api-correlation-id: 40a618cd-affc-4c8d-8df6-9974f1c225ca

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

web-api-transaction-id: 149453092943407

x-correlationid: Id-adb2e5645d7c1fb122b424aa 0

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-request-id: 1f8116c6-ae45-4913-9054-428224e2a0b3

x-traits: TPP\_ONLY;PSD2\_QWAC;PSD2\_QSEAL\_OPTIONAL

x-webapi-client-ip: 84.47.113.2

x-webapi-message-id: 149453092943407

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

content-length: 86

set-cookie: 48f65e4d401373b3b03cb2a02b953e21=c7423fb56783edba831b8d1678a72172; path=/; HttpOnly; Secure;

SameSite=None

<pre>{   "timestamp": "2023-08-23T09:14:56.878+02:00",   "status": 500,   "error": "Internal Server Error",   "message": "the rule JavascriptRule {endpoint=post:/v1/consents, functionFile=consent-create.js} of ruleset RuleSet(id=a69704c8-2d6d-40a0-8696-17e576f6226b, organization=bank.sls, environment=env.sls.sandbox, apild=ab94c5dc901474ffa6c3830058489acf, crc=n5LVJjPyrufswbRikLejKw==, inserted=2023-05-23T14:46:07+02:00) threw exception: SyntaxError: Invalid JSON: &lt;json&gt;:8:0 Invalid JSON: String contains control character\\n\\frequencyPerDay\\": \\\"4\\\"\\n^ in &lt;eval&gt;#10:22&lt;eval&gt; at line number 10",   "path": "/sandboxmockbox/mockbox/bank.sls/env.sls.sandbox/ab94c5dc901474ffa6c3830058489acf/v1/consents" }</pre>	<p>Connection: close</p> <pre>{   "reasons": [],   "details": {     "msgId": "Id-adb2e5645d7c1fb122b424aa"   } }</pre>
<b>USECASE property malformed</b>	
<p>POST https://webapi.developers.erstegroup.com/api/sls/sandbox/v1/psd2-ais/v1/consents HTTP/1.1</p> <p>Accept-Encoding: gzip,deflate X-Request-ID: c9143726-5980-41f2-81d8-aa2fea9647f7 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: 159 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{   "access": {     "sufficientFunds": [null]   },   "recurringIndicator": true,   "combinedServiceIndicator": false,   "validUntil": "2023-12-31",   "frequencyPerDay": "4" }</pre>	<p>POST https://webapi.developers.erstegroup.com/api/sls/production/v1/psd2-pis/v1/consents HTTP/1.1</p> <p>Accept-Encoding: gzip,deflate X-Request-ID: 1f2a9633-ca7d-4ae9-95af-11ea87a0c3b1 PSU-Involved: true TPP-IP-Address: 10.215.28.5 TPP-IP-Port: 1334 Content-Type: application/json Web-API-Key: {web api key value} Content-Length: 158 Host: webapi.developers.erstegroup.com Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{   "access": {     "sufficientFunds": [null]   },   "recurringIndicator": true,   "combinedServiceIndicator": false,   "validUntil": "2023-12-31",   "frequencyPerDay": "4" }</pre>
<p><b>HTTP/1.1 500</b></p> <p>Date: Wed, 23 Aug 2023 07:25:47 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains correlation-id: 8601f005-8205-428d-a4a2-7529058f687e 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: 187287895088841 psu-involved: false tpp-ip-address: 10.215.28.5 tpp-ip-port: 1334 tpp-qwac-body: {QWAC CERT} transaction-id: 187287895088841 web-api-correlation-id: 8601f005-8205-428d-a4a2-7529058f687e web-api-key: {web api key value} web-api-transaction-id: 187287895088841 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-request-id: c9143726-5980-41f2-81d8-aa2fea9647f7 x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL x-webapi-client-ip: 84.47.113.2 x-webapi-message-id: 187287895088841 content-type: application/json;charset=utf-8</p>	<p><b>HTTP/1.1 500</b></p> <p>Date: Wed, 23 Aug 2023 07:23:16 GMT Server: Apache Strict-Transport-Security: max-age=31536000; includeSubDomains cache-control: no-cache, no-store, max-age=0, must-revalidate correlation-id: cd11e096-532a-4e7b-8006-a7fd74f518c7 expires: 0 forwarded: for=10.198.136.200;host=webapi.prod.eapihub.microp.cs.eb.lan.at;proto=https ip-address: 84.47.113.2 max-forwards: 19 origin-transaction-id: 197194304781344 pragma: no-cache psu-involved: true tpp-ip-address: 10.215.28.5 tpp-ip-port: 1334 tpp-qwac-body: {QWAC CERT} tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a transaction-id: 197194304781344 via: , 1.1 sk01agw02b () web-api-correlation-id: cd11e096-532a-4e7b-8006-a7fd74f518c7 web-api-key: {web api key value} web-api-transaction-id: 197194304781344 x-content-type-options: nosniff x-correlationid: Id-e5b3e564037e598c3cd24632 0; Id-e5b3e564047ea079d874b9fa 0 x-forwarded-for: 84.47.113.2, 84.47.113.2 x-forwarded-host: webapi.developers.erstegroup.com</p>

<p>content-length: 617  set-cookie: 48f65e4d401373b3b03cb2a02b953e21=66021cc56ca24c80b30d32fb8c3d6dff; path=/; HttpOnly; Secure; SameSite=None  Connection: close</p> <pre>{   "timestamp": "2023-08-23T09:25:47.024+02:00",   "status": 500,   "error": "Internal Server Error",   "message": "the rule JavascriptRule {endpoint=post:/v1/consents, functionFile=consent-create.js} of ruleset RuleSet(id=a69704c8-2d6d-40a0-8696-17e576f6226b, organization=bank.slsp, environment=env.slsp.sandbox, apiId=ab94c5dc901474ffa6c3830058489acf, crc=n5LVJjPyrufswbRikLejKw==, inserted=2023-05-23T14:46:07+02:00) threw exception: TypeError: Cannot get property `iban` of null in &lt;eval&gt;#10:22&lt;eval&gt; at line number 91",   "path": "/sandboxmockbox/mockbox/bank.slsp/env.slsp.sandbox/ab94c5dc901474ffa6c3830058489acf/v1/consents" }</pre>	<p>x-forwarded-port: 443  x-forwarded-proto: https  x-forwarded-server: webapi.developers.erstegroup.com  x-frame-options: DENY  x-request-id: 1f2a9633-ca7d-4ae9-95af-11ea87a0c3b1  x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL  x-webapi-client-ip: 84.47.113.2  x-webapi-message-id: 197194304781344  x-xss-protection: 1; mode=block  content-type: application/json;charset=utf-8  content-length: 52  set-cookie: 48f65e4d401373b3b03cb2a02b953e21=c7423fb56783edba831b8d1678a72172; path=/; HttpOnly; Secure; SameSite=None  Connection: close</p> <p><b>["errorUUID": "71a9411a-bf7b-4db0-a6b0-8a84faa52e7f"]</b></p>
<p><b>USECASE structure malformed</b></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: 3d54a32e-0d9c-4d11-9f0c-5617c0804368  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: 143  Host: webapi.developers.erstegroup.com  Connection: Keep-Alive  User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{   "sufficientFunds": [], }, "recurringIndicator": true, "combinedServiceIndicator": false, "validUntil": "2023-12-31", "frequencyPerDay": "4" }</pre>	<p>POST https://webapi.developers.erstegroup.com/api/slsp/production/v1/psd2-piis/v1/consents HTTP/1.1  Accept-Encoding: gzip,deflate  X-Request-ID: 84c76931-2073-467e-8140-148d58074754  PSU-Involved: true  TPP-IP-Address: 10.215.28.5  TPP-IP-Port: 1334  Content-Type: application/json  Web-API-Key: {web api key value}  Content-Length: 142  Host: webapi.developers.erstegroup.com  Connection: Keep-Alive  User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <pre>{   "sufficientFunds": [], }, "recurringIndicator": true, "combinedServiceIndicator": false, "validUntil": "2023-12-31", "frequencyPerDay": "4" }</pre>
<p>HTTP/1.1 500  Date: Wed, 23 Aug 2023 07:27:27 GMT  Server: Apache  Strict-Transport-Security: max-age=31536000; includeSubDomains  correlation-id: 1133af34-193a-48e6-8d34-f5c8747a7c8e  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: 150784252156525  psu-involved: false  tpp-ip-address: 10.215.28.5  tpp-ip-port: 1334  tpp-qwac-body: {QWAC CERT}  transaction-id: 150784252156525  web-api-correlation-id: 1133af34-193a-48e6-8d34-f5c8747a7c8e  web-api-key: {web api key value}  web-api-transaction-id: 150784252156525  x-forwarded-for: 84.47.113.2, 84.47.113.2  x-forwarded-host: webapi.developers.erstegroup.com  x-forwarded-port: 443</p>	<p>HTTP/1.1 400  Date: Wed, 23 Aug 2023 07:29:03 GMT  Server: Apache  Strict-Transport-Security: max-age=31536000; includeSubDomains  correlation-id: c1e312f4-de82-4005-86da-af4e86d4490f  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: 164899672385362  psu-involved: true  tpp-ip-address: 10.215.28.5  tpp-ip-port: 1334  tpp-qwac-body: {QWAC CERT}  tpp-qwac-fingerprint: f6913afd1ceca2c00cd6b0c94a94ea91aa60c2f153d723fe94da258e08d7411a  transaction-id: 164899672385362  web-api-correlation-id: c1e312f4-de82-4005-86da-af4e86d4490f  web-api-key: {web api key value}  web-api-transaction-id: 164899672385362  x-correlationid: Id-3fb5e564ce83a8bef2fc067a 0  x-forwarded-for: 84.47.113.2, 84.47.113.2</p>

<p>x-forwarded-proto: https x-forwarded-server: webapi.developers.erstegroup.com x-request-id: 3d54a32e-0d9c-4d11-9f0c-5617c0804368 x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL x-webapi-client-ip: 84.47.113.2 x-webapi-message-id: 150784252156525 content-type: application/json;charset=utf-8 content-length: 640 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=5b72f8e63e8fe91134d86ca418a81333; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <pre>{   "timestamp": "2023-08-23T09:27:27.488+02:00",   "status": 500,   "error": "Internal Server Error",   "message": "the rule JavascriptRule {endpoint=post:/v1/consents, functionFile=consent-create.js} of ruleset RuleSet{id=a69704c8-2d6d-40a0-8696-17e576f6226b, organization=bank.slsp, environment=env.slsp.sandbox, apiid=ab94c5dc901474ffa6c3830058489acf, crc=n5LVJjPyrufswbRikLejKw==, inserted=2023-05-23T14:46:07+02:00} threw exception: SyntaxError: Invalid JSON: &lt;json&gt;:3:1 Expected eof but found ,\n),\n ^ in &lt;eval&gt;#10:22&lt;eval&gt; at line number 10",   "path": "/sandboxmockbox/mockbox/bank.slsp/env.slsp.sandbox/ab94c5dc901474ffa6c3830058489acf/v1/consents" }</pre>	<p>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: 84c76931-2073-467e-8140-148d58074754 x-traits: TPP_ONLY;PSD2_QWAC;PSD2_QSEAL_OPTIONAL x-webapi-client-ip: 84.47.113.2 x-webapi-message-id: 164899672385362 content-type: application/json;charset=utf-8 content-length: 86 set-cookie: 48f65e4d401373b3b03cb2a02b953e21=66021cc56ca24c80b30d32fb8c3d6dff; path=/; HttpOnly; Secure; SameSite=None Connection: close</p> <pre>{   "reasons": [],   "details": {     "msgId": "Id-3fb5e564ce83a8bef2fc067a"   } }</pre>
<b>USECASE IDP Token exchange (token malformed)</b>	
<p>POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/sandbox-idp/token?grant_type=refresh_token&amp;refresh_token={token value}&amp;scope=PIIS&amp;redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&amp;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.slsp.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.slsp.sk Connection: Keep-Alive User-Agent: Apache-HttpClient/4.5.5 (Java/16.0.1)</p> <p>grant_type=refresh_token&amp;refresh_token={token value}&amp;scope=AIS</p>
<p><b>HTTP/1.1 400</b> 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.es.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><b>HTTP/1.1 400</b> 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/MDjnrx/VCS8ZoFGPDh; path=/; Httponly; Secure</p> <pre>{   "error": "invalid_grant" }</pre>

<pre> {"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>	
<p><b>USECASE IDP Token obtain (code malformed)</b></p>	
<p>POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/sandbox-idp/token?code_verifier=habbabbaba1&amp;redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&amp;grant_type=authorization_code&amp;code={code value}&amp;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.slsp.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.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&amp;grant_type=authorization_code&amp;code={code value}&amp;code_verifier=huehehehe123produkcia</p>
<p><b>HTTP/1.1 400</b></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><b>HTTP/1.1 400</b></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=lqiykWe2DlnG8SvThZnJAS1uzHSSTcO9Vif/IFcgDIZirJvLAX5WPf1SLzJrqKTRLRqP9mfKbi9hEUhYEPcl/txWt8Y1GPp2tbQ6Rlmx1noc; path=/; Httponly; Secure</p> <pre> {"error": "invalid_grant_type", "error_description": "invalid grant type"} </pre>
<p><b>USECASE IDP Token obtain (invalid basic auth – malformed oauthid)</b></p>	
<p>POST https://webapi.developers.erstegroup.com/api/slsp/sandbox/v1/sandbox-idp/token?code_verifier=bubinka&amp;redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&amp;grant_type=authorization_code&amp;code={code value}&amp;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.slsp.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.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&amp;grant_type=authorization_code&amp;code={code value}&amp;code_verifier=huehehehe123produkcia</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

```
{"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}}}
```

**USECASE IDP Token obtain (invalid basic auth – malformed secret)**

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&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)

**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

**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/xV6Ks7LAvxvB6LBuulvZhrilSmjfnh998Td/x7pchfjhMD5i8; path=/; Httponly; Secure

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

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)  
  
redirect\_uri=https%3A%2F%2Fhttpbin.org%2Fget&grant\_type=authorization\_code&code={code value}&code\_verifier=huehehehe123produkcia

**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.\*

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"}
```