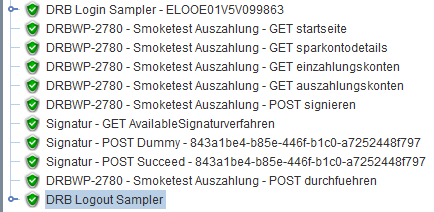
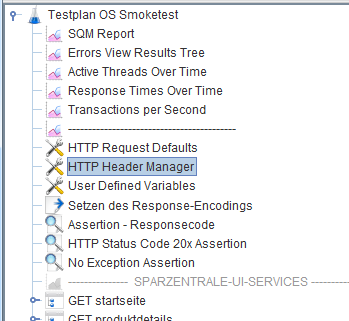
* We use JMeter for functional tests, most of them representing end-to-end tests at the service layer. One workflow of such an e2e-test is as follows:



The first Sampler (DRB Login Sampler) is a self-written sampler and generates a valid OAuth token which all other requests use as authentication in the “Authentication” header field. If this field is missing, the application returns an access denied error.

We use a HTTP Header Manager config element for all of our requests:



|  |  |
| --- | --- |
| Content-Type | application/json |
| charset | utf-8 |
| Authentication | ${\_\_P(OAUTH\_HEADER\_VALUE)} |
| x-dynatrace | PC=JMETER; TE=${dtTestName}; NA=${\_\_jexl3(ctx.getCurrentSampler().getName())}; SN=${dtScriptname}; VU=${dtUser}-${\_\_jexl3(ctx.getThreadGroup().getName() + "-" + ctx.getThreadNum())}; SI=${dtSource}; ID=${\_\_time()} |

The property „OAUTH\_HEADER\_VALUE“ gets populated via the first sampler „DRB Login Sampler“.

The second sampler (*DRBWP-2780 – Smoketest Auszahlung - GET startseite*) is a standard HTTP Request:

|  |  |
| --- | --- |
| Request Body | Request Headers |
| GET https://path/to/our/testenvironment/startseite  GET data:  [no cookies] | Host: our.test.environment  User-Agent: Apache-HttpClient/4.5.6 (Java/1.8.0\_181) |

|  |  |
| --- | --- |
| Response Body | Response Headers |
| {  “anzahlKonten” : 3,  “gesamtsumme” : 0  } | HTTP/1.1 200 OK  Expires: -1  Cache-Control: no-cache  Cache-Control: no-store  Cache-Control: must-revalidate  Jrap-Request: S\_discovery\_92d31be6-d48a-47cc-82d5-e4183d33534f  Pragma: no-cache  X-Forwarded-Id: discovery  Date: Mon, 05 Nov 2018 05:38:49 GMT  Content-Type: application/json  Content-Length: 1060  Set-Cookie: 100f81d153fe8be97dbca77b55b752cb=cf0f8ff702329dcb1ebba297b77c3eb0; path=/; HttpOnly |

In comparison the second Request “DRBWP-2780 – Smoketest Auszahlung - GET sparkontodetails”:

|  |  |
| --- | --- |
| Request Body | Request Headers |
| GET <https://path/to/our/testenvironment> /sparkontodetails/AT12345  GET data:  [no cookies] | Connection: keep-alive  Content-Type: application/json  charset: utf-8  Authorization: Bearer eyJhbGciOiJSUzI1NiIsImtp  x-dynatrace: PC=JMETER; TE=MY\_Client; NA=DRBWP-2780 - Smoketest Auszahlung - GET sparkontodetails;ID=1541396329859  Host: our.test.environment  User-Agent: Apache-HttpClient/4.5.6 (Java/1.8.0\_181) |

|  |  |
| --- | --- |
| Response Body | Response Headers |
| {  "details": null,  "detailgruppen": [  {  "ueberschrift": "Übersicht",  "details": [  {  "bezeichnung": "IBAN"  }]  }, …]  } | HTTP/1.1 200 OK  Expires: -1  Cache-Control: no-cache  Cache-Control: no-store  Cache-Control: must-revalidate  Jrap-Request: S\_discovery\_519de3f9-44f1-47ec-809b-3703729293cf  Pragma: no-cache  X-Forwarded-Id: discovery  Date: Mon, 05 Nov 2018 05:38:50 GMT  Content-Type: application/json  Content-Length: 792  Set-Cookie: 100f81d153fe8be97dbca77b55b752cb=cf0f8ff702329dcb1ebba297b77c3eb0; path=/; HttpOnly |

As you can see the header fields **“Connection”, “Content-Type”, “charset”, “Authorization”, “x-dynatrace”** are missing in the *DRBWP-2780 – Smoketest Auszahlung - GET startseite* request.

NOTICE: It is definitely just a UI-bug, the header information is being sent to the server, otherwise we would get “Access Denied” Exceptions.

Every other sampler (each of them are HTTP Requests) to <https://path/to/our/testenvironment> (GET einzahlungskonten, GET auszahlungskonten, POST signieren) shows the headers correctly.

The request “Signature – GET AvailabileSignaturverfahren” is also a HTTP Request, **pointing to another path:**

Request: Signature – GET AvailabileSignaturverfahren

|  |  |
| --- | --- |
| Request Body | Request Headers |
| GET https://path/to/a/different/environment/quer-signatur/signatur-ui-services/rest/signaturen/843a1be4-b85e-446f-b1c0-a7252448f797/moeglicheverfahren  GET data:  [no cookies] | Host: our.test.environment  User-Agent: Apache-HttpClient/4.5.6 (Java/1.8.0\_181) |

Once again, the headers are missing, e.g. the needed “Authorization”-Header. Due to the fact that the Request returns successfully, the header fields are sent to the server but are not displayed in JMeter. The following two requests (Signatur – POST Dummy and Signatur – Post Succeed) both show all the header fields.

The second-last requests (*DRBWP-2780 – Smoketest Auszahlung – POST durchfuehren*) points once again to <https://path/to/our/testenvironment> and is again missing the relevant headers:

|  |  |
| --- | --- |
| Request Body | Request Headers |
| POST <https://path/to/our/testenvironment>  /kontouebertrag/durchfuehren  POST data:  {  "betrag":1,  "verwendungszweck":"TA"  } | Host: our.test.environment  User-Agent: Apache-HttpClient/4.5.6 (Java/1.8.0\_181) |