

# Documentation of the easyfeedback API Interface

## Changes in last versions

<b>Version</b>	1.1
<b>Date</b>	11/03/2022
<b>Creator</b>	Heiko Müller (easyfeedback GmbH)
<b>Changes in 0.9</b>	* Added a new method for accessing participant data: /api/members/dataexport
<b>Changes in 1.0</b>	* Limitation of maximum API accesses set to 30 per minute per method * Test method added * Added Parameters for /members method to allow for searches of URL parameters, plus allow selection of new participants only
<b>Changes in 1.1</b>	* Added values „additional“ and „na“ in dataexport method * Fixed data structure in dataexport

## Technical data

### Base URL

The easyfeedback interface is an API based on REST. Basic easyfeedback functions are made available via the interface.

The methods of the API are available at  
<https://indivsurvey.de/api>

### Authentication

Authentication is performed via OAuth2:

<b>Base URL</b>	<a href="https://indivsurvey.de/api">https://indivsurvey.de/api</a>
<b>Grant Type</b>	ClientCredentials
<b>Credentials</b>	Basic Auth Header
<b>Token URL</b>	<a href="https://indivsurvey.de/api/token">https://indivsurvey.de/api/token</a>

Currently only the grant type supported is "Client Credentials".

### Restrictions

To avoid performance issues, access to the API is limited to a total of 30 requests per minute per method.

## Provided access methods

### Test

To check the function of the API, there is the possibility to call a test method. This method returns the customer data of the customer belonging to the API account.

<b>URL</b>	/api/test
<b>Method</b>	GET
<b>Parameter</b>	
<b>Return format</b>	JSONRequest:
<b>Example result</b>	<b>Request:</b> https://indivsurvey.de/api/test <b>Result:</b> <pre>[   {     "ClientId": "12345",     "Company": "MyCompany",     "Email": "email@mycompany.com"   } ]</pre>

## Survey results

### Consultation of survey results

This method provides access to all results available for surveys in a customer account. The return format is currently limited to 1000 results.

<b>URL</b>	/api/results
<b>Method</b>	GET
<b>Parameter</b>	surveyid,questionid,answerid,levelid,answertext,memberid
<b>Return format</b>	JSON
<b>Example result</b>	<p><b>Request:</b> https://indivsurvey.de/api/results/text_23908</p> <p><b>Result:</b></p> <pre>[   {     "Resultid": "text_23908",     "Memberid": 16105,     "Questionid": 1586,     "Answerid": 107,     "Levelid": 0,     "Answertext": "city-panorama-black-and-white-1920x1080.jpg"   } ]</pre>

## Lists of participant

### Created participant lists

This method provides access to all participant lists created for the customer account.

<b>URL</b>	/api/participants/lists
<b>Method</b>	GET
<b>Parameter</b>	-
<b>Return format</b>	JSON
<b>Example result</b>	<p><b>Request:</b> <a href="https://indivsurvey.de/api/participants/lists?email=test@easy-feedback.de">https://indivsurvey.de/api/participants/lists?email=test@easy-feedback.de</a></p> <p><b>Result:</b></p> <pre>[   {     "Participantid": 1,     "Userid": 2,     "Groupid": 0,     "Name": "Liste 1",     "Participants": 146,     "TsCreate": 1457344297,     "TsUpdate": 1462862805   } ]</pre>

### Participants in a created list

This method provides access to the participants, which are managed in a participant list.

<b>URL</b>	/api/participants/users
<b>Method</b>	GET
<b>Parameter</b>	participantlistid,email,usercode,firstname,lastname,value1,value2,value3,value4,value5
<b>Return format</b>	JSON

<b>Example result</b>	<b>Request:</b> https://indivsurvey.de/api/participants/users?email=test@easy-feedback.de <b>Result:</b> <pre>[   {     "Participantuserid": 1,     "Participantid": 1,     "Email": "test@easy-feedback.de",     "Gender": "Mister",     "Firstname": "M",     "Name": "Test",     "Usercode": "",     "Accesscode": "bPfv73",     "Value1": "",     "Value2": "",     "Value3": "",     "Value4": "",     "Value5": ""   },   {     "Participantuserid": 4,     "Participantid": 1,     "Email": "test@easy-feedback.de",     "Gender": "Mister",     "Firstname": "John",     "Name": "Doe",     "Usercode": "",     "Accesscode": "N9Vr13",     "Value1": "",     "Value2": "",     "Value3": "",     "Value4": "",     "Value5": ""   } ]</pre>
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## Lists of participants in a survey

This method provides access to the participant lists assigned to a survey.

<b>URL</b>	/api/surveys/participants/lists
<b>Method</b>	GET
<b>Parameter</b>	surveyid
<b>Return format</b>	JSON

<b>Example result</b>	<b>Request:</b> https://indivsurvey.de/api/surveys/participants/lists?surveyid=10 <b>Result:</b> <pre>[   {     "Participantid": 6,     "Surveyid": 10,     "Name": "Liste 1",     "Mailssubject": "Test Einladung",     "Mailtext": "Dear [Title].....",     "Sendername": "Localhost",     "Sendermail": "local@host.de",     "Remindersubject": "Test Invitation",     "Remindertext": "Dear [Title] [Firstname] [Name],....\r\n This is a test.",     "Remindername": "Localhost",     "Remindermail": "local@host.de",     "Notify": 0,     "Notifyinterval": 0,     "TsNotify": 0,     "TsUpdate": 1463561607,     "NotifyDays": 0,     "NotifyMode": 0,     "NotifyLastuser": 0,     "Mailserver": "",     "MailserverState": 0,     "AttachmentMediaid1": 0,     "AttachmentMediaid2": 0,     "AttachmentMediaid3": 0   } ]</pre>
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## Participants in the participant list of a survey

This method provides access to all participants in a participant list who have taken part in a survey.

<b>URL</b>	/api/surveys/participants/users
<b>Method</b>	GET
<b>Parameter</b>	surveyparticipantlistid,email,usercode,firstname,lastname,value1,value2,value3,value4,value5
<b>Return format</b>	JSON

<b>Example result</b>	<p><b>Request:</b> <a href="https://indivsurvey.de/api/surveys/participants/users?email=test@easy-feedback.de">https://indivsurvey.de/api/surveys/participants/users?email=test@easy-feedback.de</a></p> <p><b>Result:</b></p> <pre>[     {         "Participantuserid": 416,         "Participantid": 2,         "Memberid": 0,         "Participantusercode": "1c39370dc8cc951c5e615705b5d5cecc",         "Email": "test@easy-feedback.de",         "Gender": "",         "Firstname": "",         "Name": "",         "Usercode": "",         "Accesscode": "r3l716",         "Value1": "",         "Value2": "",         "Value3": "",         "Value4": "",         "Value5": "",         "Sendtime1": 0,         "Sendtime2": 0,         "Sendtime3": 0,         "Sendstatus1": 0,         "Sendstatus2": 0,         "Sendstatus3": 0,         "Messageid1": "",         "Messageid2": "",         "Messageid3": "",         "Sendtimereminder": 0,         "TsVisit": 1482244514,         "TsEnd": 0     } ]</pre>
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## Participants of a survey

This method provides access to the participants of a survey. If no list of participants has been assigned to a survey, there are only entries about participants in the survey here.

The PUT method only accepts the Personal ID as the value to be changed. Other values are ignored. The values to be changed must be transferred in JSON format in the body of the request. Several member data records can be adapted in one request.

If successful, PUT returns the complete changed member data records in JSON format.

The parameters pkey and pval are used to limit the search result to certain URL parameters that have been appended to the survey URL.

If the parameter "newer" is set, only those participants are displayed who have been added since the last request.



The parameter "statusid" indicates the current status of the participant in the survey:

0 - no results so far

1 - Finished

2 - Survey in progress or cancelled

<b>URL</b>	/api/members
<b>Method</b>	GET, PUT
<b>GET Parameter</b>	surveyid,languageid,statusid,participantlistid,participantuserid,refererid,personalid,deviceid,newer,pkey,pval
<b>PUT Parameter</b>	The memberid of the record to be adjusted can be appended to the API call ( /api/members/[memberid] ). If a memberid is also specified in the payload, the memberid in the url is ignored.
<b>Input type</b>	JSON im Body
<b>Return format</b>	JSON
<b>GET Example result</b>	<b>Request:</b> https://indivsurvey.de/api/members/4771 <b>Result:</b> <pre>[   {     "Memberid": 4771,     "Surveyid": 130,     "Languageid": 189,     "Statusid": 0,     "Participantid": 0,     "Participantuserid": 0,     "Refererid": 0,     "Multilinkid": 0,     "Layerid": 0,     "Personalid": "ABD3438332333231",     "Device": 1,     "Accesscode": 0,     "Remoteaddr": "f528764d624db129b32c21fbca0cb8d6",     "Pos": 1,     "Starttime": 1518771116,     "Votetime": 0,     "Endtime": 0,     "Lastupdatetime": 1518771116,     "Memberday": "02V16V18",     "Sessionid": "6a571fe98a2ba453e84923b447d79cff",     "Mailsendtime": 0,     "Sendtime1": 0,     "Sendstatus1": 0,     "Messageid1": "",     "Vouchercode": "",     "Privacynotice": 0   } ]</pre>
<b>PUT Example result</b>	<b>Request:</b> https://indivsurvey.de/api/members/4771 <b>Payload:</b> <pre>[   {</pre>

	<pre>         "Personalid": „ABD3438332333231"       }     ]   </pre> <p><b>Result:</b> siehe Ergebnis GET</p>
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## Participant data for data protection enquiries

This method provides the data of a participant in a processed form. The answer contains question and answer texts of the answered questions as well as the answers given by the participant.

Both results and answers are returned as an array.

<b>URL</b>	/api/members/dataexport/[memberid]
<b>Method</b>	GET
<b>Parameter</b>	Memberid
<b>Return format</b>	JSON
<b>Example result</b>	<p><b>Request:</b> <a href="https://indivsurvey.de/api/members/dataexport/1">https://indivsurvey.de/api/members/dataexport/1</a></p> <p><b>Result:</b></p> <pre> {   {     "title": "Yes/No",     "id": "1641",     "results": {       "Yes"     },     "na": false,     "additional": {       "answer": "Additional text:\n",       "result": ""     }   },   {     "title": "Open question",     "id": "1643",     "results": {       "Ist so 1",       "Ist so 2",       "Ist so 3"     },     "answers": {       "Option 1",       "Option 2",       "Option 3"     }   },   {     "title": "Matrix Question",     "id": "1644",     "results": {       "W1",       "W2",       "W4"     },     "answers": {       "Option 1", </pre>

	<pre>"Option 2", "Option 3"     }   } }</pre>
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## Structure of surveys

### Main survey data

This method provides access to the metadata of a survey.

<b>URL</b>	/api/surveys
<b>Method</b>	GET
<b>Parameter</b>	
<b>Return format</b>	JSON
<b>Example result</b>	<p><b>Request:</b> https://indivsurvey.de/api/surveys/1</p> <p><b>Result:</b></p> <pre>[   {     "Surveyid": 1,     "Userid": 2,     "Accountid": null,     "Folderid": 0,     "Statusid": 1,     "Archive": 1,     "Layoutid": 5,     "Templateid": 0,     "Groupid": 0,     "Colorschemeid": 0,     "Pos": 55,     "Languageid": 1,     "Languageswitch": 1,     "Surveycode": "KY180v",     "Surveyurl": "survey",     "Surveytld": 0,     "Titleseparator": 1,     "Titlereference": "Upload Test",     "Password": "",     [...]     "Pdflogomediaid": 0,     "Privacynotice": 0,     "Privacymodal": 0,     "Privacyheadline": "",     "Privacytext": "",     "MinParticipant": 0,     "AliasActive": 0,     "ExportSettings": "0 0 0 0 0 0 0 0 0 0",     "EmailResponse": 0,     "EmailResponseQuestion": "0",     "EmailResponseMailist": "",     "EmailResponseName": "",     "EmailResponseEmail": "",     "EmailResponseMailserver": "",     "EmailResponseMailserverState": 0,     "Voucherstate": 0   } ]</pre>

## Pages

This method provides access to the pages created for surveys. An exception to the page IDs are the welcome page (id: -1) and the final page (id: -2).

<b>URL</b>	/api/pages
<b>Method</b>	GET
<b>Parameter</b>	surveyid
<b>Return format</b>	JSON
<b>Example result</b>	<b>Request:</b> https://indivsurvey.de/api/pages <b>Result:</b> <pre>[   {     "Pageid": 1,     "Surveyid": 1,     "Userid": 2,     "Pos": 1,     "Questions": 2,     "Pagejump": 0   },   {     "Pageid": 2,     "Surveyid": 2,     "Userid": 2,     "Pos": 1,     "Questions": 13,     "Pagejump": 0   } ]</pre>

## Questions and elements

This method provides access to the questions and elements associated with a survey.

Type	Mode	Name
1	0	Yes/No
2	0	Open
3	0	Multiple Choice
4	0	Matrix
5	1	Opinion scale / NPS
5	2	Slider
5	3	Rating
6	0	Variable/Custom
7	0	Double Matrix
8	0	Semantic differential
9	0	Competition / Newsletter
10	0	Ranking
11	0	Media Upload

12	0	Picture
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<b>URL</b>	/api/questions
<b>Method</b>	GET
<b>Parameter</b>	surveyid,pageid
<b>Return format</b>	JSON
<b>Example result</b>	<p><b>Request:</b> https://indivsurvey.de/api/questions/?surveyid=2&amp;pageid=-2</p> <p><b>Result:</b></p> <pre>[   {     "Questionid": 5,     "Surveyid": 2,     "Pageid": -2,     "Userid": 2,     "Pos": 1,     "Questiontype": 0,     "Questionmode": 1,     "Textpos": 0,     "Mediapos": 0,     "Questionwidth": 0,     "Questionheight": 0,     "Answerpos": 0,     "Answersdropdown": 0,     "Answerhelp": 0,     "Rating1": 0,     "Rating1na": 0,     "Rating2": 0,     "Rating2na": 0,     [...]     "Tooltip": 0,     "Answerna": 0,     "Randomization": 0,     "Additionaltextarea": 0,     "Internal": 0,     "Internalcalculation": 0,     "Optiontext1": "",     "Optiontext2": "",     "Optiontext3": "",     "Validationstate": 0,     "Validation": 0,     "Validationval1": "",     "Validationval2": "",     "Validationval3": ""   } ]</pre>

## Make results anonymous

With this method, text results can be made anonymous using the same search parameters as in the results search (/api/results). The texts of the results corresponding to

this search are replaced by the text string '\*\* anonymized \*\*'. A maximum of 100 data records can be anonymised per query.

<b>URL</b>	/api/results/anonymize
<b>Method</b>	POST
<b>Parameter</b>	surveyid,questionid,answerid,levelid,answertext,memberid
<b>Return format</b>	See /api/results
<b>Example result</b>	<b>Request:</b> https://indivsurvey.de/api/results/anonymizeResults?resultid=text-5 <b>Result:</b> <pre>[   {     "Resultid": 5,     "Memberid": 9,     "Questionid": 42,     "Answerid": 101,     "Levelid": 0,     "Answertext": "** anonymized **"   } ]</pre>

## Make participants anonymous

With this method, participants who are managed in a participant list of an account can be made anonymous. The following text fields are replaced with the text string '\*\* anonymized \*\*':

- First name
- Name
- E-mail
- Values 1 to 25

<b>URL</b>	/api/participants/users/anonymize
<b>Method</b>	POST
<b>Parameter</b>	email,usercode,firstname,lastname,value1,value2,value3,value4,value5
<b>Return format</b>	Participant objects as JSON

<b>Example result</b>	<b>Request:</b> https://indivsurvey.de/api/participants/users/anonymize/80 <b>Result:</b> <pre>[   {     "Participantuserid": 80,     "Participantid": 1,     "Email": "** anonymized **",     "Gender": "Mister",     "Firstname": "** anonymized **",     "Name": "** anonymized **",     "Usercode": "0",     "Accesscode": "0",     "Value1": "** anonymized **",     "Value2": "** anonymized **",     "Value3": "** anonymized **",     "Value4": "** anonymized **",     "Value5": "** anonymized **",     "Value6": "** anonymized **",     "Value7": "** anonymized **",     "Value8": "** anonymized **",     "Value9": "** anonymized **",     "Value10": "** anonymized **",     "Value11": "** anonymized **",     "Value12": "** anonymized **",     "Value13": "** anonymized **",     "Value14": "** anonymized **",     "Value15": "** anonymized **",     "Value16": "** anonymized **",     "Value17": "** anonymized **",     "Value18": "** anonymized **",     "Value19": "** anonymized **",     "Value20": "** anonymized **",     "Value21": "** anonymized **",     "Value22": "** anonymized **",     "Value23": "** anonymized **",     "Value24": "** anonymized **",     "Value25": "** anonymized **"   } ]</pre>
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## Make participants of a survey anonymous

With this method, participants who are assigned to a survey in a participant list can be made anonymous. The following text fields are replaced with the text string '\*\* anonymized \*\*':

- First name
- Name
- E-mail
- Value 1 to 25

<b>URL</b>	/api/surveys/participants/users/anonymize
<b>Method</b>	POST
<b>Parameter</b>	email,usercode,firstname,lastname,value1,value2,value3,value4,value5

<b>Return format</b>	Survey Participant object as JSON
<b>Example result</b>	<p><b>Request:</b> <a href="https://indivsurvey.de/api/surveys/participants/users/anonymize/416">https://indivsurvey.de/api/surveys/participants/users/anonymize/416</a></p> <p><b>Result:</b></p> <pre>[   {     "Participantuserid": 416,     "Participantid": 2,     "Memberid": 0,     "Participantusercode": "1c39370dc8cc951c5e615705b5d5cecc",     "Email": "*** anonymized **",     "Gender": "",     "Firstname": "*** anonymized **",     "Name": "*** anonymized **",     "Usercode": "",     "Accesscode": "r3l716",     "Value1": "*** anonymized **",     "Value2": "*** anonymized **",     "Value3": "*** anonymized **",     "Value4": "*** anonymized **",     "Value5": "*** anonymized **",     "Value6": "*** anonymized **",     "Value7": "*** anonymized **",     "Value8": "*** anonymized **",     "Value9": "*** anonymized **",     "Value10": "*** anonymized **",     "Value11": "*** anonymized **",     "Value12": "*** anonymized **",     "Value13": "*** anonymized **",     "Value14": "*** anonymized **",     "Value15": "*** anonymized **",     "Value16": "*** anonymized **",     "Value17": "*** anonymized **",     "Value18": "*** anonymized **",     "Value19": "*** anonymized **",     "Value20": "*** anonymized **",     "Value21": "*** anonymized **",     "Value22": "*** anonymized **",     "Value23": "*** anonymized **",     "Value24": "*** anonymized **",     "Value25": "*** anonymized **",     "Sendtime1": 0,     "Sendtime2": 0,     "Sendtime3": 0,     "Sendstatus1": 0,     "Sendstatus2": 0,     "Sendstatus3": 0,     "Messageid1": "",     "Messageid2": "",     "Messageid3": "",     "Sendtimereminder": 0,     "TsVisit": 1482244514,     "TsEnd": 0   } ]</pre>



## Error messages

Errors are returned from this machine in JSON format. The codes correspond to the HTTP codes.

Example result:

```
{
  "error": {
    "msg": "Access restricted.",
    "code": 500,
    "languageColumn": „“,
    „efCode“: „“
  }
}
```