**1KA API**

**API access**

API identifier and private key can be generated under »my surveys« -> »settings« -> »user settings«:



**»GET« call example in PHP**

*$identifier = '9b03c8cdf967d24a';*

*$private\_key = '0a68ff8b77272baf5a04f3b656f27fb5250438bc21d7707515a1b506a3a8491b';*

*// GET params*

*$params = 'action=getSurveyQuestions'; // Function to execute*

*$params .= '&ank\_id=705'; // parameters needed for function execution (survey id, question id...)*

*// Prepare data for hashing*

*$request\_method = 'GET';*

*$request = 'http://localhost/FDV/admin/survey/api/api.php?'.$params;*

*$data = $request\_method . $request;*

*// Calculate hash (token)*

*$token = hash\_hmac('sha256', $data, $private\_key);*

*// Prepare call – we add parameters »identifier« and »token«*

*$ch = curl\_init($request.'&identifier='.$identifier.'&token='.$token);*

*curl\_setopt($ch, CURLOPT\_CUSTOMREQUEST, $request\_method);*

*curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);*

*// Execute call*

*$result = curl\_exec($ch);*

**»POST« call example in PHP**

*$identifier = '9b03c8cdf967d24a';*

*$private\_key = '0a68ff8b77272baf5a04f3b656f27fb5250438bc21d7707515a1b506a3a8491b';*

*// GET params*

*$params = 'action=getSurveyQuestions'; // Function to execute*

*$params .= '&ank\_id=705'; // parameters needed for function execution (survey id, question id...)*

*// POST data*

*$post\_data = array(*

*"naslov" => "Question title...",*

*"vrednost" => "123",*

*);*

*// Prepare data for hashing*

*$request\_method = 'POST';*

*$request = 'http://localhost/FDV/admin/survey/api/api.php?'.$params;*

*$raw\_post\_data = http\_build\_query($post\_data);*

*$data = $request\_method . $request . $raw\_post\_data;*

*// Calculate hash (token)*

*$token = hash\_hmac('sha256', $data, $private\_key);*

*// Prepare call – we add parameters »identifier« and »token«*

*$ch = curl\_init($request.'&identifier='.$identifier.'&token='.$token);*

*curl\_setopt($ch, CURLOPT\_POSTFIELDS, json\_encode($post\_data)); // JSON string for POST*

*curl\_setopt($ch, CURLOPT\_POST, true);*

*curl\_setopt($ch, CURLOPT\_CUSTOMREQUEST, $request\_method);*

*curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);*

*// Execute call*

*$result = curl\_exec($ch);*

**API functions**

**getSurveyQuestions – returns data about all questions in a survey**

request\_method: GET

Parameters:

* action=getSurveyQuestions
* ank\_id=123 (survey id)

Response example:

*{"Question\_ID\_\_1":{*

*"id":"1234",*

*"tip":"Single answer",*

*"naslov":"Question 1 title",*

*"info":"",*

*"variable":"Q1",*

*"stran\_id":"2890",*

*"stran\_naslov":"Page 1",*

*"vrstni\_red":"1",*

*"vrednosti":{*

*"48495":{*

*"id":"48495",*

*"naslov":"Answer 1",*

*"variable":"1",*

*"vrstni\_red":"1"*

*},"48496":{*

*"id":"48496",*

*"naslov":"Answer 2",*

*"variable":"2",*

*"vrstni\_red":"2"*

*}*

*}*

*}},*

*{" Question\_ID \_2"...*

**getSurveyStatuses – returns answer statuses for survey**

request\_method: GET

Parameters:

* action=getSurveyStatuses
* ank\_id=123 (survey id)

Response example:

*{"valid":{*

*"6":1, //finished survey*

*"5":0}, //partially finished*

*"nonvalid":{*

*"6l":0, //lurker*

*"5l":0, //lurker*

*"4":0, //click on a survey*

*"3":0, //click on intro*

*"-1":0}, //unknown status*

*"invitation":{ //non-surveyed units*

*"2":0, //email sent - error*

*"1":0, //email sent – non-response*

*"0":0} //email not sent*

*}*

**getSurveyFrequencies – returns answer frequencies for survey**

request\_method: GET

Parameters:

* action=getSurveyFrequencies
* ank\_id=123 (survey id)

Response example:

*[*

*{"besedilo\_vprasanja":"One answer", // Questionm type one answer*

*"id\_vprasanja":"803405\_0",*

*"vrsta\_vprasanja":"0",*

*"odgovori":{*

*"invalid":{"-1":{"text":"Not answered","cnt":0},"-2/\*… all non-responses\*/},*

*"validCnt":3, //valid responses*

*"allCnt":3, //all answers*

*"valid":[*

*{"text":"Prvi ","text\_graf":"Prvi ","cnt":0,"vrednost":1},*

*{"text":"Drugi","text\_graf":"Drugi","cnt":"1","vrednost":2},*

*{"text":"Tretji","text\_graf":"Tretji","cnt":0,"vrednost":3},*

*{"text":" Other:","text\_graf":"Other:","cnt":"2","vrednost":4}, //other*

*{"text":"nekaj drugega","cnt":1,"text\_graf":null,"vrednost":"nekaj drugega","other":"Other:"},*

*{"text":"nekaj","cnt":1,"text\_graf":null,"vrednost":"nekaj","other":"Other:"}*

*]*

*}*

*},*

*{"besedilo\_vprasanja":"Multiple answers", //Questionm type multiple answers*

*"id\_vprasanja":"803406\_0",*

*"vrsta\_vprasanja":"1",*

*"odgovori":[*

*{"invalid":{"-1":{"text":"Ni odgovoril","cnt":0},"-2/\*… all non valid ansers \*/},*

*"valid":[*

*{"text":"0","text\_graf":null,"cnt":"1"},//cnt is nuber of how many times this checkbox was NOT checked (text: 0 for not checked)*

*{"text":"1","text\_graf":null,"cnt":"2"}//cnt is nuber of how many times this checkbox WAS CHECKED (text: 1 for not checked)*

*],*

*"validCnt":3,*

*"allCnt":3,*

*"naslov":"Prvi"},//Answer text*

*{"invalid":{… },*

*"valid":[*

*{"text":"0","text\_graf":null,"cnt":"2"},*

*{"text":"1","text\_graf":null,"cnt":"1"}*

*],*

*"validCnt":3,*

*"allCnt":3,*

*"naslov":"Drugi"},*

*{"invalid":{"/\*… all non valid ansers \*/},*

*"valid":[*

*{"text":"0","text\_graf":null,"cnt":"1"},*

*{"text":"1","text\_graf":null,"cnt":"2"}*

*],*

*"validCnt":3,*

*"allCnt":3,*

*"naslov":"Tretji"},*

*{"invalid/\*… all non valid ansers },*

*"valid":[*

*{"text":"0","text\_graf":null,"cnt":"1"},*

*{"text":"1","text\_graf":null,"cnt":"2"}*

*],*

*"validCnt":3,*

*"allCnt":3,*

*"naslov":"Drugo:"},*

*{"invalid/\*… all non valid ansers },*

*"invalidCnt":1,*

*"allCnt":3,*

*"validCnt":2,*

*"average":null,*

*"valid":[ //answers for »other«*

*{"text":"nekaj nekaj drugega","cnt":1,"text\_graf":null},*

*{"text":"nekaj nekaj","cnt":1,"text\_graf":null}*

*],*

*"other":1,*

*"naslov":"Drugo:"}*

*]*

*},*

*{"besedilo\_vprasanja":"Besedilo", //text type question*

*"id\_vprasanja":"803407\_0",*

*"vrsta\_vprasanja":"2",*

*"odgovori":[*

*{"invalid/\*… all non valid ansers \*/},*

*"invalidCnt":1,*

*"allCnt":3,*

*"validCnt":2,*

*"average":null,*

*"valid":[*

*{"text":"neko besedilo","cnt":1,"text\_graf":null},*

*{"text":"pozdravljen svet","cnt":1,"text\_graf":null}*

*]}]}]*

**getSurveyList – returns list of user's surveys**

request\_method: GET

Parameters:

* action=getSurveyList
* limit = 0; //optional – returns last X surveys, ordered by last response time. 0 menas return all

Responser example:

*{"count":8, //number of surveys*

*"surveys":[*

*{"id":"4936", //survey id*

*"folder":"1",*

*"del":"1",*

*"naslov":"Nov vpra&scaron;alnik 10", // survey title*

*"active":"1", //1 – vprašalnik je aktiven, 0 – survey is not active*

*"mobile\_created":"0",*

*"block\_ip":"0", //blocked IP – 0 off, in minutes (1440 = 24 ur)*

*"edit\_uid":"946",*

*"e\_name":"uporabnik",//Survey editor*

*"e\_surname":"",*

*"e\_email":"uporabnik@gmail.com",*

*"insert\_uid":"946",*

*"i\_name":"uporabnik", //Survey author*

*"i\_surname":"",*

*"i\_email":"uporabnik@gmail.com",*

*"e\_time":"05.09.16 12:45",//last edit*

*"i\_time":"05.09.16 12:45",//created*

*"v\_time\_first":"05.09.16 12:45",//first insert*

*"v\_time\_last":"05.09.16 12:46",//last insert*

*"answers":"3",*

*"variables":"3",*

*"trajanjeod":"05.09.16",//survey duration*

*"trajanjedo":"05.12.16",*

*"survey\_type":"3"},…// 3=survey, 0=voting, 1=form*

**getSurveyHashes – returns list of public links for survey**

request\_method: POST

Parameters:

* action= getSurveyHashes
* ank\_id= 123; //survey id

Response example:

*[*

*{"hash":"42C4A102", //link name*

*"properties":{*

*"anketa":"4937", //survey id*

*"a":"data", //data or analysis*

*"m":"",*

*"profile\_id\_status":2,*

*"profile\_id\_variable":0,*

*"profile\_id\_condition":1},*

*"comment":"",*

*"page":"data",*

*"add\_date":"05.09.2016",*

*"add\_time":"14:58",*

*"email":"porabnik@gmail.com"}, //user email, who created link*

*{"hash":"43BACC90",*

*"properties":{*

*"anketa":"4937",*

*"a":"analysis",*

*"m":"sumarnik", //analysis type*

*"profile\_id\_status":2,*

*"profile\_id\_variable":0,*

*"profile\_id\_condition":1},*

*"comment":"",*

*"page":"analysis",*

*"add\_date":"05.09.2016",*

*"add\_time":"14:58",*

*"email":"test@1ka.si"}*

*]*

**NEW READING FUNCTIONS 15.12.2016\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**getSurveyDateTimeRange – returns date and time range of answers for survey**

request\_method: GET

Parameters:

* action= getSurveyDateTimeRange
* ank\_id=123 (survey id)

Response example:

*{"2016-08-20 11":"4","2016-08-23 13":"6"} //4 answers on date 2016-08-20 in time between 11:00 and 12:00; 6 answers on date 2016-08-23 in time between 13:00 and 14:00*

**getSurveyRedirections – redirections of answers for survey**

request\_method: GET

Parameters:

* action= getSurveyRedirections
* ank\_id=123 (survey id)

Response example:

*{"3":0,"4":0,"5":0,"6":0,"valid":{"email":0,"192.168.1.102":5},"email":0,"direct":6}*

**getSurveyParadata – paradata of answers for survey**

request\_method: GET

Parameters:

* action= getSurveyParadata
* ank\_id=123 (survey id)

Response example:

*{"valid":{//filtered - valid answers*

*"unfilteredCount":11,*

*"allCount":5,//number of filtered answers*

*"pcCount":"1",//PC*

*"mobiCount":"4",//Mobile device*

*"tabletCount":0,//Tablet*

*"robotCount":0,//* *Crawler*

*"jsActive":5, // JavaScript enabled*

*"jsNonActive":0, // JavaScript not enabled*

*"jsUndefined":0, // JavaScript undefined*

*"browser":{"Chrome 50.0":"4", "Firefox 49.0":"1"}, //list and sum of browsers*

*"os":{"Android":"4", "Win8.1":"1",}}, // list and sum of operation systems*

*"all":{"unfilteredCount":11,"allCount":11 … }//non filtered paradata (valid and nonvalid answers)*

**getSurveyDashboard – dashboard of survey (getSurveyStatuses, getSurveyDateTimeRange, getSurveyRedirections, getSurveyParadata and getSurveyList info for this survey in one array)**

request\_method: GET

Parameters:

* action= getSurveyDashboard
* ank\_id=123 (survey id)

Response example:

*{"info":{ //look for function getSurveyList*

*"count":1,"surveys":[{"id":"53","folder":"1","del":"1","naslov":"Yyyuiiiii","active":"1","mobile\_created":"0","block\_ip":"0","edit\_uid":"1045","e\_name":"admin","e\_surname":"admin","e\_email":"admin","insert\_uid":"1045","i\_name":"admin","i\_surname":"admin","i\_email":"admin","e\_time":"17.10.16 15:44","i\_time":"20.08.16 11:25","v\_time\_first":"20.08.16 11:25","v\_time\_last":"17.10.16 11:44","answers":"11","variables":"4","trajanjeod":"17.10.16","trajanjedo":"17.01.17","survey\_type":"2"}]},*

*"statuses":{ //look for function getSurveyStatuses*

*"valid":{"6":5,"5":0},"nonvalid":{"6l":0,"5l":0,"4":4,"3":2,"-1":0},"invitation":{"2":0,"1":0,"0":0}},*

*"datetime":{ //look for function getSurveyDateTimeRange*

*"2016-08-20 11":"4","2016-08-23 00":"1","2016-08-23 13":"4","2016-08-23 23":"1","2016-10-17 11":"1"},*

*"redirections":{ //look for function getSurveyRedirections*

*"3":0,"4":0,"5":0,"6":0,"valid":{"email":0,"192.168.1.102":5},"email":0,"direct":6},*

*"paradata":{ //look for function getSurveyParadata*

*"valid":{"unfilteredCount":11,"allCount":5,"pcCount":"1","mobiCount":"4","tabletCount":0,"robotCount":0,"jsActive":5,"jsNonActive":0,"jsUndefined":0,"browser":{"Drugo":"5"},"os":{"Drugo":"5"}},"all":{"unfilteredCount":11,"allCount":11,"pcCount":"1","mobiCount":"10","tabletCount":0,"robotCount":0,"jsActive":11,"jsNonActive":0,"jsUndefined":0,"browser":{"Drugo":"11"},"os":{"Drugo":"11"}}}*

*}*

**getSurvey – returns basic data of survey and its questions**

request\_method: GET

Parameters:

* action= getSurvey
* ank\_id=123 (survey id)

Response example:

*{"title":"New questionnaire", //title of survey*

*"intro":"Please take a few moments and complete this survey by clicking on Next page.", //introduction text*

*"concl":"You have finished the survey. Thank you.", //conclusion text*

*"show\_intro":"1", //1=show intro, 0=hide intro*

*"show\_concl":"1", //1=show conclusion, 0=hide conclusion*

*"page\_id":"320", //id of last group or page*

*"questions":[*

*{"id":"664", //id of question*

*"type":"Besedilo",*

*"type\_code":"21", //code of type of question – 21=textbox, 1=radio button, 2=checkbox*

*"title":"Question 1", //title of question*

*"info":"",*

*"variable":"Q1",*

*"page\_id":"320", //id of group or paren tof question*

*"page\_title":"Stran 1", // title of page or group*

*"reminder":"0", //0=no reminder, 1=soft reminder, 2=hard reminder*

*"orientation":"1",*

*"order":"1", //order of question*

*"params":{"taSize":"3"}, // taSize=size of textbox in lines*

*"options":[]},*

*{"id":"663",*

*"type":"Ve&#269; odgovorov",*

*"type\_code":"2",*

*"title":"Question 2",*

*"info":"",*

*"variable":"Q2",*

*"page\_id":"320",*

*"page\_title":"Stran 1",*

*"reminder":"0",*

*"orientation":"1",*

*"order":"2",*

*"params":[],*

*"options":[*

*{"id":"1112",*

*"title":"Option 1",*

*"variable":"Q2a",*

*"other":"0",*

*"order":"1"},*

*{"id":"1113",*

*"title":"Option 2",*

*"variable":"Q2b",*

*"other":"0",*

*"order":"2"}*

*]},…*

*]}*

**getSurveyResponses – returns list of surveys of user with info of answers and activity**

request\_method: GET

Parameters:

* action= getSurveyResponses
* ank\_id=123 (survey id)

Response example:

*{*

*//key of row is id of survey*

*"1":{"answers":"85","active":"0"},*

*"2":{"answers":"17","active":"0"},*

*"4":{"answers":"8","active":"1"},*

*"6":{"answers":"60","active":"0"},*

*"7":{"answers":"3","active":"0"},*

*"8":{"answers":"9","active":"1"},…*

*}*

**END OF NEW GET FUNCTIONS­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**addQuestionVrednost – adds new answer in a question**

request\_method: POST

Parameters:

* action=addQuestionVrednost
* ank\_id=123 (survey id)
* spr\_id=1234 (question id)

POST field:

*{"naslov":"New answer text "}*

**createSurvey – creates a new survey**

request\_method: POST

Parameters:

* action=createSurvey

POST field:

*{"naslov\_vprasalnika":"New survey title...",*

*"survey\_type ":"0", // Survey type (0=voting, 1=form, 3=survey)*

*"mobile\_created":"0", //optional*

*"uvod":"Intro text..." },*

*"zakljucek":" Conclusion text...",*

*"vprasanja":{*

*{"besedilo\_vprasanja":" Question 1 text",*

*"mesto\_vprasanja":"1",*

*"vrsta\_vprasanja":"2", // 0=radio, 1=checkbox, 2=text*

*"velikost\_polja":"10", // Optional for text questions*

*"reminder":0, //reminder 0=off, 1=only warning, 2=mandatory question*

*"other": "Other:", //optional for categories – 0=«other« off*

*"Odgovori":{"odgovor1"},{"odgovor2"},...//optional for categories*

*},*

*{"besedilo\_vprasanja":" Question 2 text ",*

*"mesto\_vprasanja":"2",...}*

*}}*

Response example:

{"url":"[url ankete]","note":"Anketa uspe\u0161no ustvarjena"}

**addLink – add public link**

request\_method: POST

Parameters:

* action= addLink
* ank\_id= 123; //survey id

JSON parameters in POST:

{"a":"analysis", //data or analysis

"m":"frequency"} //analysis type

Respons example:

*{"note":"Povezava dodana"}*

**deleteLink – delete public link**

request\_method: POST

Parameters:

* action= deleteLink
* ank\_id= 123; //survey id

JSON parameters in POST:

{"hash":"8E623FA2"} //hash=link name

Response example:

*{"note":"Povezava izbrisana"}*

**BlockRepeatedIP – change survey setting for IP blocking**

request\_method: POST

Parameters:

* action= BlockRepeatedIP
* ank\_id= 123; //survey id

JSON parameters in POST:

{"blockIP":1440} // blockIP – setting in minutes. Possible options are 10, 20, 30, 60, 720, 1440, 0=ip blockig off

Response example:

*{"note":"Blokiranje ponovnega IP uspe\u0161no spremenjeno"}*

**SurveyActivation – activate or deactivate survey**

request\_method: POST

Parameters:

* action= SurveyActivation
* ank\_id= 123; //survey id

JSON parameters in POST:

{"active":0} – 0=deactivate, 1=activate

Response example:

*{"note":"Aktivnost uspe\u0161no spremenjena"}*

**NEW WRITING FUNCTIONS 15.12.2016\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**deleteSurvey – delete survey**

request\_method: POST

Parameters:

* action= deleteSurvey
* ank\_id= 123; //survey id

Response example:

*{"note":"* *Survey deleted"}*

**deleteQuestion – delete question**

request\_method: POST

Parameters:

* action= deleteQuestion
* ank\_id= 123; //survey id

JSON parameters in POST:

{"que\_id":1234} //id of question

Response example:

*{"note":"Question deleted"}*

**createQuestion – create question**

request\_method: POST

Parameters:

* action= createQuestion
* ank\_id= 123; //survey id

JSON parameters in POST:

*{"question":{*

*"title":" Question 1 text", //title of question*

*"order":"1", //order of question*

*"type\_code":"2", // 0=radio, 1=checkbox, 2=text*

*"taSize":"10", // Optional for text questions – size of textbox in lines*

*"reminder":0, //reminder 0=off, 1=only warning, 2=mandatory question*

*"other": "Other:", //optional for categories – 0=«other« off*

*"options":{"option 1"},{"option 2"},...//options - optional for categories*

*}}*

Response example:

*{"note":"Question created","que\_id":"1234”} //id of new question*

**updateQuestion – update basic question data**

request\_method: POST

Parameters:

* action= updateQuestion
* ank\_id= 123; //survey id

JSON parameters in POST:

*{"question":{*

*"title":" Question 1 text", //title of question*

*"taSize":"10", // Optional for text questions – size of textbox in lines*

*"reminder":0, //reminder 0=off, 1=only warning, 2=mandatory question*

*"other": "Other:", //optional for categories – 0=«other« off*

*}}*

Response example:

*{"note":"Question updated"}*

**copySurvey – copy survey**

request\_method: POST

Parameters:

* action= copySurvey
* ank\_id= 123; //survey id

Response example:

*{"note":"Survey copied","id":"124”} //id of new survey*

**copyQuestion– copy survey**

request\_method: POST

Parameters:

* action= copyQuestion
* ank\_id= 123; //survey id

JSON parameters in POST:

*{"que\_id":"1234"}*

Response example:

*{"note":"Question copied","id":"1235”} //id of new question*

**updateOrCreateOption – update or create option**

request\_method: POST

Parameters:

* action= updateOrCreateOption
* ank\_id= 123; //survey id

JSON parameters in POST:

*{"option\_id":"1292", //id of option, to be updated. To create new option this parameter can be ignored or value can be empty string*

*"option\_text":"Sdooooooo", //new text of option*

*"que\_id":"727" //id of question*

*}*

Response example:

*{"note":"Option updated","opt\_id":"1234"} //id of new option*

**deleteOption – update or create option**

request\_method: POST

Parameters:

* action= deleteOption
* ank\_id= 123; //survey id

JSON parameters in POST:

*{"option\_id":"1292"} //id of option, to be deleted*

Response example:

*{"note":"Option deleted"}*

**updateSurvey – update basic survey data**

request\_method: POST

Parameters:

* action= updateSurvey
* ank\_id= 123; //survey id

JSON parameters in POST:

For voting update:

*{"title":"My Voting", //title of voting*

*"que\_title":"I vote for... "} //title of question*

For questionaire or form update:

*{"title":"My new questionnaire", //title of questionaire*

*"introduction":"Please take a few moments and complete this survey by clicking on Next page.",*

*"conclusion":" You have finished the survey. Thank you.",*

*"show\_intro":0, //show intro=1, hide=0*

*"show\_concl":1}*

Response example:

*{"note":"Survey updated"}*