

AFEX

Survey System - REST API

REST API DOCUMENTATION

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EXECUTIVE SUMMARY

This document is intended to describe, in brief, the technical routine to inter-operate with Survey System, namely AFEX, using the exposed RESTFull Resources. We do document, the how to, for every atomic and singleton resource, or method, exposed by AFEX REST API.

..... TODO

AUDIENCE

The document is open to AFEX developers, Craft Silicon, wishing to implement by sharing and scaling the AFEX features to various end-consumers, such as mobile devices, cloud applications and APIs.

API RESOURCES

1. Login

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
Login in the system	/api/users/login	Content-type: application/json	email, password	POST	JSON Object, with success message (String), success code (Numeric), profile (User object with all fields)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to log in in the system using AFEX REST API.

2. Logout

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
Login in the system	/api/users/logout	X-Auth-Token, Content-type: application/json	X-Auth-Token	POST	JSON Object, with success message (String), success code (Numeric)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to log out the system using AFEX REST API.

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3. Retrieve Questions

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
List Questions	/api/questions	X-Auth-Token, Content-type: application/json	ANNEX	GET	JSON Object, with success message (String), success code (Numeric)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to list Questions in the system using AFEX REST API.

4. Retrieve Questions By Survey

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
List Question By Survey	/api/questions/:survey	X-Auth-Token, Content-type: application/json	ANNEX	GET	JSON Object, with success message (String), success code (Numeric)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to questions by survey in the system using AFEX REST API.

5. Retrieve Question By ID

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
List Question By ID	/api/questions/:id	X-Auth-Token, Content-type: application/json	ANNEX	GET	JSON Object, with success message (String), success code (Numeric)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to list a question in the system using AFEX REST API.

6. Submit Answers

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
Submit Answers	/api/answers	X-Auth-Token, Content-type: application/json	ANNEX	POST	JSON Object, with success message (String), success code (Numeric)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to submit answers provided by the customer, while providing the feedback to the system using AFEX REST API.

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7. List Indicators (Analysis Part)

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
List Indicators	/api/indicators	X-Auth-Token, Content-type: application/json	ANNEX	GET	JSON Object, with success message (String), success code (Numeric)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to list indicators used to analyze information from the system using AFEX REST API.

8. List Indicator By id

NAME	RESOURCE	HEADER	BODY	METHOD	RESPONSE - SUCCESS	RESPONSE - FAILURE	DESCRIPTION
List Indicator By ID	/api/indicators/:id	X-Auth-Token, Content-type: application/json	ANNEX	POST	JSON Object, with success message (String), success code (Numeric)	JSON Object, with failure message (String), failure code (Numeric)	This function is used to list analysis indicators one by one by ID using AFEX REST API.

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ANNEXE

(EXAMPLES — TESTING PURPOSE USING CURL COMMAND LINE TOOL)

LOGIN

REQUEST:

```
curl --header "Content-type: application/json" --request POST --data '{"email" :  
"testcs@craftsilicon.com", "password" : "1234567890"}'  
'http://172.16.2.183:8080/afex/api/users/login'
```

RESPONSE:

```
{"authToken":"Y0fQtLS0UJzdaPogWjvclgcDaSgcZbiYrIJOxB6SRBCjo","message":"Super  
Admin Successfully logged in!","profile":  
{"id":"1","email":"testcs@craftsilicon.com","dob":"Tue Jan 01 02:10:20 CAT  
1901","userGroup":"Super  
Administrator","gender":"FEMALE","telephone":"+250788000001","fullname":"Super  
Admin","country":"1"},"code":200}
```

LOGOUT

REQUEST:

```
curl --header "Content-type: application/json" --header "X-Auth-Token:  
Y0fQtLS0UJzdaPogWjvclgcDaSgcZbiYrIJOxB6SRBCjo" --request POST --data  
'{"authToken": "Y0fQtLS0UJzdaPogWjvclgcDaSgcZbiYrIJOxB6SRBCjo"}'  
'http://172.16.2.183:8080/afex/api/users/logout'
```

RESPONSE:

```
{"message":"User Logged Out!","code":200}
```

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LIST QUESTIONS

REQUEST :

```
curl --header "Content-type: application/json" --header "X-Auth-Token: MxfQ2Aro" --request GET 'http://172.16.2.183:8080/afex/api/questions'
```

RESPONSE:

```
{
  "questions": [
    {
      "textContent": "Which @category.name would you like to provide feedback about?",
      "isAnswerCategory": "false",
      "isAboutRating": "false",
      "transitionOn": 0,
      "answers": "BeanList deferred ",
      "transition": 0,
      "isAnswerProduct": "true",
      "id": 1,
      "category": {
        "id": 1,
        "questionOrder": 1,
        "isAboutAspect": "false",
        "survey": {
          "id": 1,
          "questions": "[]",
          "isAnswerKeyword": "true",
          "language": "English",
          "questionType": "AnswerPredefined",
          "textContent": "How did you enjoy your @product.name today?",
          "isAnswerCategory": "false",
          "isAboutRating": "true",
          "transitionOn": 0,
          "answers": "BeanList deferred ",
          "transition": 0,
          "isAnswerProduct": "false",
          "id": 2,
          "category": {
            "id": 1,
            "questionOrder": 2,
            "isAboutAspect": "false",
            "survey": {
              "id": 1,
              "questions": "[]",
              "isAnswerKeyword": "true",
              "language": "English",
              "questionType": "AnswerPredefined",
              "textContent": "How would you rate the following aspects of your @product.name?",
              "isAnswerCategory": "false",
              "isAboutRating": "false",
              "transitionOn": 0,
              "answers": "BeanList deferred ",
              "transition": 0,
              "isAnswerProduct": "false",
              "id": 3,
              "category": {
                "id": 1,
                "questionOrder": 3,
                "isAboutAspect": "true",
                "survey": {
                  "id": 1,
                  "questions": "[]",
                  "isAnswerKeyword": "true",
                  "language": "English",
                  "questionType": "AnswerPredefined",
                  "textContent": "How enjoyable was your @category.name at Kapese Village??",
                  "isAnswerCategory": "false",
                  "isAboutRating": "true",
                  "transitionOn": 0,
                  "answers": "BeanList deferred ",
                  "transition": 0,
                  "isAnswerProduct": "false",
                  "id": 4,
                  "category": {
                    "id": 2,
                    "questionOrder": 1,
                    "isAboutAspect": "false",
                    "survey": {
                      "id": 2,
                      "questions": "[]",
                      "isAnswerKeyword": "true",
                      "language": "English",
                      "questionType": "AnswerPredefined",
                      "textContent": "How would you rate the following aspects of your @category.name?",
                      "isAnswerCategory": "false",
                      "isAboutRating": "false",
                      "transitionOn": 0,
                      "answers": "BeanList deferred ",
                      "transition": 0,
                      "isAnswerProduct": "false",
                      "id": 5,
                      "category": {
                        "id": 2,
                        "questionOrder": 2,
                        "isAboutAspect": "true",
                        "survey": {
                          "id": 2,
                          "questions": "[]",
                          "isAnswerKeyword": "true",
                          "language": "English",
                          "questionType": "AnswerPredefined",
                          "textContent": "Is there anything else you would like to tell us about your @category.name?",
                          "isAnswerCategory": "false",
                          "isAboutRating": "false",
                          "transitionOn": 0,
                          "answers": "BeanList deferred ",
                          "transition": 0,
                          "isAnswerProduct": "false",
                          "id": 6,
                          "category": {
                            "id": 2,
                            "questionOrder": 3,
                            "isAboutAspect": "false",
                            "survey": {
                              "id": 2,
                              "questions": "[]",
                              "isAnswerKeyword": "true",
                              "language": "English",
                              "questionType": "Open"
                            }
                          }
                        }
                      }
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  ]
}
```