Episkop API Documentation

Key Type Information

Extract Poll Data

Key purpose label: 'extract'

General Purpose: To extract poll, question and answer data from existing polls in the Episkop database.

Specifications:

- Querying with an extract key will return a JSON of every poll owned by the user who owns the key.
- The JSON will contain the following:
  - Id
  - Title
  - Summary
  - Opened
  - Ends_at
  - Created_at
  - Updated_at
  - Publish
  - Directory_id
  - Url
  - Invite_token
  - Poll_questions
    - Id
    - Question_type
    - Created_at
    - Updated_at
    - Url
    - Poll_answers (for Multiple Choice questions only)
      - Id
      - Content
      - Created_at
      - Updated_at
      - url

An extract key is likely necessary to utilize api keys of other types, as other keys require object id information. IDs can only be retrieved from the site url, via an extract key json response, or by downloading poll data.

Creating Polls

Key purpose label: 'create'
General Purpose: To create new polls in the Episkop database.
Specifications:
- One must specify the following when creating a poll:
    - Poll Title: string
    - Summary: string
    - Opened: boolean
    - Ends_at: datetime
    - Publish: boolean
- The following are auto-defined when a poll is created and are non-mutable by users at this time:
    - User ID: int; who created the poll
    - Creation time: datetime; date and time that poll was created
    - Updated time: datetime; same as creation time. This is changed whenever the poll is edited
    - Invite Token: string; token that can be inserted into a url link to invite users to respond to a poll
    - Directory id: int; directory id that the poll belongs to (for front end use)

Notes:
Polls are added to the base directory of a user's account, meaning they will not be within a folder.

Deleting Polls / Questions / MC Answers

Key purpose label: 'delete'
General Purpose: To delete existing polls in the Episkop database.
Specifications:
- One can delete polls, poll questions, and answers to multiple choice questions based on the id for the target object.

Edit Polls

Key purpose label: 'edit'
General Purpose: To edit poll, question and answer values for existing polls in the Episkop database.
Specifications:

- Polls: One can change the following attributes of a Poll object in the database:
  - Title: string
  - Summary: string
  - Ending time: datetime; time that the poll is set to end
  - Opened status: boolean
  - Published status: boolean
- Questions: One can change the following attributes of a Question object in the database:
  - ==Question Type: change between multiple choice, free response, yes/no, and step-forward-step-back.==
    - Note: changing between types will not remove the answer choices for the question. I.e., If a multiple choice question is changed to a free response question, the answer choices will remain the same and can be recovered.
    - Note: this action may cause errors in JSON responses or for a question. Doing this is not recommended. Rather, one should create a new question and delete the target question.
  - Content: this is essentially the "title" of the question, or what the question itself is.
- Answers: One can change the following attributes of a Multiple Choice Answer object in the database (not a user response to a poll, rather the possible answer choices for a multiple choice question):
  - Content: this is the "title" of the answer, or what the user sees as the possible answer choice.

API Syntax

Extract Keys

The following are queries that can be completed with the extract key.

Note: specifying a body is not necessary for these queries.

Route Method	Query: Extract…	Syntax
GET	Poll data	https://episkop.herokuapp.com/polls/[poll id].json
GET	Poll question	https://episkop.herokuapp.com/poll_questions/[poll question id]/results.json

Delete Keys

The following is a query to delete a poll with the delete key.

Note: The information related to a poll is not deleted when deleting a poll. For example, when Poll A is deleted, the questions in the question table with a poll id of A will not be deleted.

Route Method	Query: Delete…	Syntax
DEL	Poll	https://episkop.herokuapp.com/polls/[poll id]

Create Keys

The following is a query to construct a poll with the create key.

Note: the directory id can be specified to create a new poll in a specified directory. As of now, the app does not supply application users or API users with directory ids, so this is not really possible.

Route Method	Query: Create…	Syntax
POST	Poll	https://episkop.herokuapp.com/polls.json

	Body for above	{
		    "title": "new poll title",
		    "summary": "new poll summary",
		    "opened": **true/false**,
		    "ends_at": "2022-04-01T13:10:00.000Z",
		    "publish": **true/false**
		    //"directory_id": 1
		}

Edit Keys

The following is a query to edit a poll, a poll question, or a multiple choice answer with the edit key.

Note: These are all utilized under an edit key, rather than a create or delete key, as modifying these objects modifies a high level poll object.

Route Method	Query:	Syntax
PUT	Edit Existing Poll	https://episkop.herokuapp.com/polls/[poll id]

	Body for above	{
		    "title": "edited poll title",
		    "summary": "edited poll summary",
		    "opened": **true/false**,
		    "ends_at": "2022-04-01T13:10:00.000Z",
		    "publish": **true/false**
		    //"directory_id": 1
		}

POST	Add a Question	https://episkop.herokuapp.com/polls/[poll id]/poll_questions

	Body for above	{
		    "question_type": "Multiple Choice/Input/Yes No",
		    "content": "x"
		}

DEL	Delete a Question	https://episkop.herokuapp.com/poll_questions/[question id]
PUT	Edit Question (content)	https://episkop.herokuapp.com/poll_questions/[question id]

	Body for above	// {
		// "question_type": "Multiple Choice",
		// "content": "Testing change of question type, should fail"
		// }
		
		{
		    "content": "new content"
		}

POST	Add an MC Answer	https://episkop.herokuapp.com/poll_answers

	Body for above	{
		    "poll_id": "x",
		    "question": "x",
		    "content": "x"
		}

DEL	Delete an Answer	https://episkop.herokuapp.com/poll_answers/[answer id]

Developer Note

Administration

Admin accounts are necessary to accept API keys for user and developer use. Admin status cannot currently be modified via the site. Thus, developers must access the database and modify the admin attribute of a target account to create an admin.