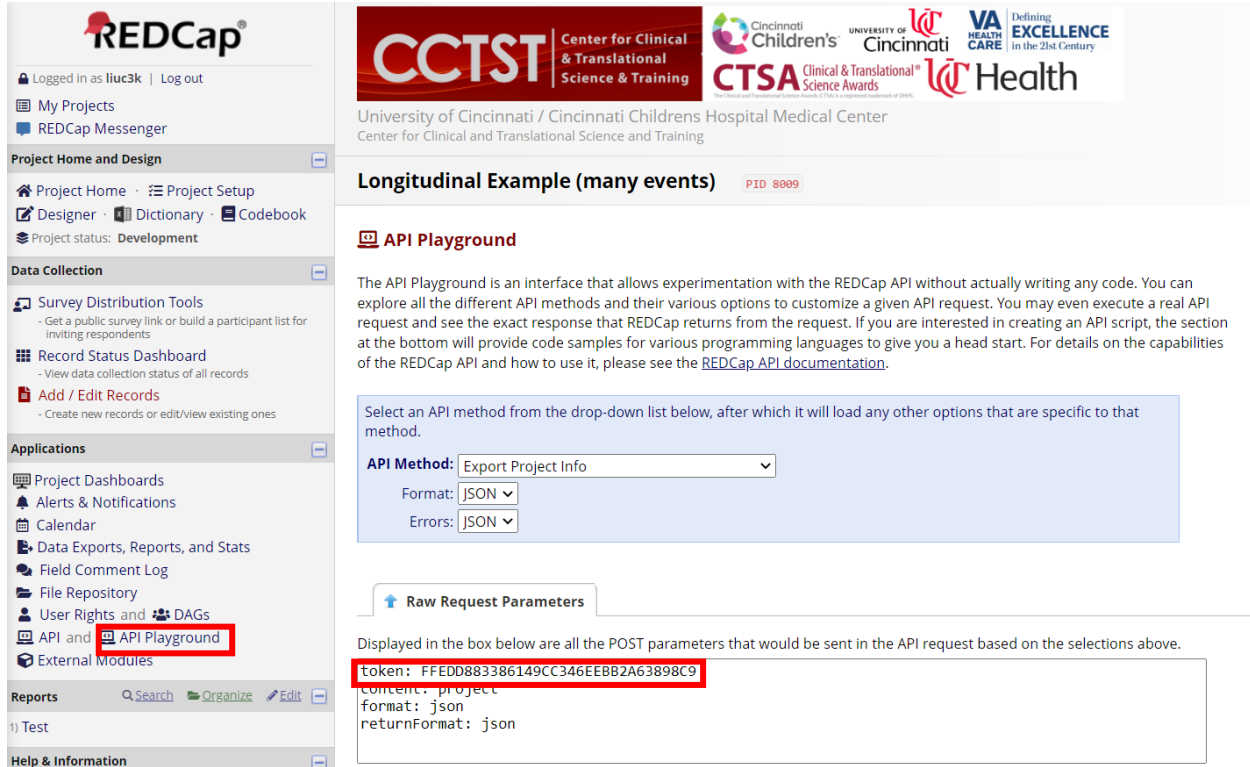


# Instruction

## Step 1. Obtain “Token” from API Playground in REDCap



Logged in as lluc3k | Log out

My Projects

REDCap Messenger

**Project Home and Design**

- Project Home · Project Setup
- Designer · Dictionary · Codebook
- Project status: Development

**Data Collection**

- Survey Distribution Tools
  - Get a public survey link or build a participant list for inviting respondents
- Record Status Dashboard
  - View data collection status of all records
- Add / Edit Records
  - Create new records or edit/view existing ones

**Applications**

- Project Dashboards
- Alerts & Notifications
- Calendar
- Data Exports, Reports, and Stats
- Field Comment Log
- File Repository
- User Rights and DAGs
- API and API Playground
- External Modules

**Reports**

Search Organize Edit

1) Test

**Help & Information**

**CCTST** Center for Clinical & Translational Science & Training

University of Cincinnati / Cincinnati Childrens Hospital Medical Center  
Center for Clinical and Translational Science and Training

**Longitudinal Example (many events)** PID 8009

**API Playground**

The API Playground is an interface that allows experimentation with the REDCap API without actually writing any code. You can explore all the different API methods and their various options to customize a given API request. You may even execute a real API request and see the exact response that REDCap returns from the request. If you are interested in creating an API script, the section at the bottom will provide code samples for various programming languages to give you a head start. For details on the capabilities of the REDCap API and how to use it, please see the [REDCap API documentation](#).

Select an API method from the drop-down list below, after which it will load any other options that are specific to that method.

**API Method:** Export Project Info

Format: JSON

Errors: JSON

**Raw Request Parameters**

Displayed in the box below are all the POST parameters that would be sent in the API request based on the selections above.

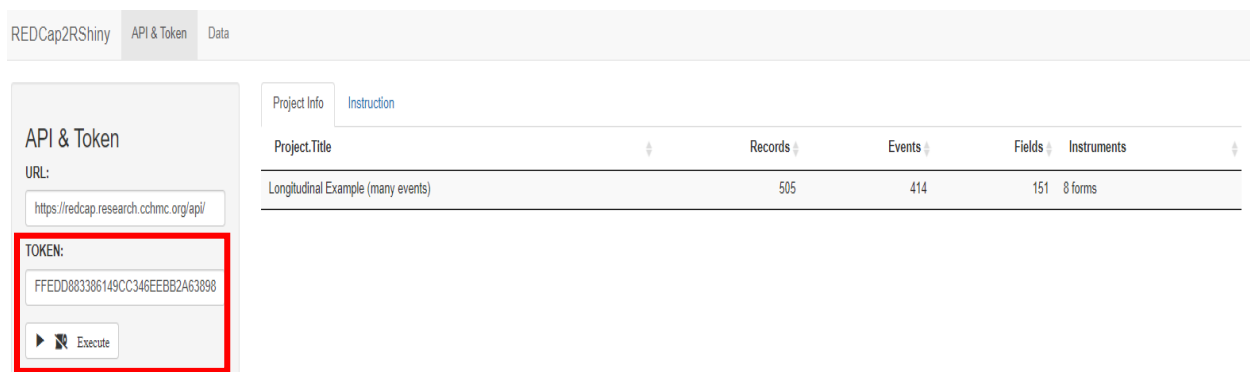
token: FFEDD883386149CC346EEBB2A63898C9

content: project

format: json

returnFormat: json

## Step 2. Fill “Token” in the “API & Token” section, and Press the Execute Button



REDcap2RShiny API & Token Data

**API & Token**

URL:  
https://redcap.research.cchmc.org/api/

**TOKEN:**  
FFEDD883386149CC346EEBB2A63898

Execute

**Project Info** Instruction

Project.Title	Records	Events	Fields	Instruments
Longitudinal Example (many events)	505	414	151	8 forms

## Step 3. View/Export dataset or Instruments

View the “entire dataset” or “customized dataset”, please follow the steps below.

- Set “Report name”=“All Data”
- Display value w/ Raw value or Label
- Display Headers w/ Raw value or Label
- Choose Events Name
- Create multiple conditions and operators to subset dataset if needed
  - Ex : [age]>30 and [gender]='1' (Only accept Raw value)
- Display “Data Access Group” column if needed
- Select required fields(variables)
- Press “Execute button”
- Here is a “reset button” for users to reset all the selections
- Export dataset in CSV file by pressing “Download button”

### Ex:

Create a customized dataset with following requests:

- Need to display rows in “Label”
- Need to display headers in “Label”
- Event name = ‘B\_arm\_1’
- Customized condition and operator: gender = 1 and age <15
- Fields: gender, age
- Press “Execute button” to display result

REDCap2RShiny API & Token Data

Data Listing Reports Data Dictionary

My Reports & Exports

Report name:  
All Data

Raw or Label(Rows)?  
Label

Raw or Label(Headers)?  
Label

Events:  
b\_arm\_1

Filter Logic ⓘ  
[gender]='1' and [age]<15

☐ Data Access Groups

Fields:  
gender, age

Execute

Reset

Download

Show 10 entries

Search:

Local ID	Event Name	Repeat Instrument	Repeat Instance	Gender	Age at this visit date in years
2	B			Male	11.3
4	B			Male	0.1
5	B			Male	6.4
10	B			Male	10.7
15	B			Male	7
17	B			Male	10.3
19	B			Male	2.6
23	B			Male	2
27	B			Male	3.9
36	B			Male	9.4

Showing 1 to 10 of 243 entries

Previous 1 2 3 4 5 ... 25 Next

View the individual “Instrument”, please follow the steps below.

- a. Set “Report name”=“Selected Instruments”
- b. Display value w/ Raw value or Label
- c. Display Headers w/ Raw value or Label
- d. Choose Events Name
- e. Create multiple conditions and operators to subset dataset if needed
  - a. Ex : [age]>30 and [gender]='1' (Only accept Raw value)
- f. Display “Data Access Group” column if needed
- g. Press “Execute button”
- h. Here is a “reset button” for users to reset all the selections
- i. Export dataset in CSV file by pressing “Download button”

Ex:

Display “demographics” instrument with following requests:

1. Need to display rows in “Raw”
2. Need to display headers in “Label”
3. Event name = ‘B\_arm\_1’
4. Press “Execute button” to display result

REDCap2RShiny API & Token Data

Data Listing Reports Data Dictionary

My Reports & Exports

Report name:  
Selected Instruments

Raw or Label(Rows)?  
Raw

Raw or Label(Headers)?  
Label

Events:  
b\_arm\_1

Filter Logic  
Ex: [gender] = '1'

☐ Data Access Groups

Instrument:  
demographics

Execute

Reset

Download

Show 10 entries

Search:

Local ID	Event Name	Repeat Instrument	Repeat Instance	Visit date &nbsp;&nbsp;&	Gender	Race (choice=American Indian or Alaska Native)	Race (choice=Asian)	Race (choice=Black or African American)	Race (choice=Native Hawaiian or Other Pacific Islander)	Race (choice=White)	Race (choice=Unknown or not reported)	Race (choice=Refused)	Ethnicity	Years of educationEnter # 0-25, not including pre-school or kindergarten	Years of Education Refused (choice=Years Of Education Refused)	Employment status (choice=Employed)
1	b_arm_1			2005-03-13	2	0	0	0	0	1	0	0	2	0	0	0
10	b_arm_1			2005-04-07	1	1	0	0	0	1	0	0	1	5	0	0
11	b_arm_1			2006-09-08	2	0	0	0	0	1	0	0	1	16	0	1
13	b_arm_1			2006-04-12	2	0	0	0	0	1	0	0	1	0	0	0
14	b_arm_1			2010-09-23	2	1	0	0	0	1	0	0	2	1	0	0
15	b_arm_1			2006-06-23	1	0	0	0	0	1	0	0	2	0	0	0
16	b_arm_1			2007-06-06	2	1	0	0	0	1	0	0	1	17	0	0
17	b_arm_1			2006-05-12	1	0	0	0	0	1	0	0	1	3	0	0
18	b_arm_1			2006-04-17	2	0	0	0	0	1	0	0	2	0	0	0
100	b_arm_1			2010-04-21	2	0	0	0	0	1	0	0	2	23	0	1

Showing 1 to 10 of 925 entries

Previous 1 2 3 4 5 ... 93 Next

# Step 4. View/Export Reports from REDCap

## 1. Obtain "Report ID" from REDCap

REDCap®

Logged in as iluc3k | Log out

My Projects

REDCap Messenger

Project Home and Design

Project Home · Project Setup

Designer · Dictionary · Codebook

Project status: Development

Data Collection

Survey Distribution Tools

Record Status Dashboard

Add / Edit Records

Applications

Project Dashboards

Calendar

Field Comment Log

File Repository

User Rights and DAGs

API and API Playground

External Modules

Reports

Help & Information

CCTST

Center for Clinical & Translational Science & Training

Cincinnati Children's

UNIVERSITY OF CINCINNATI

CTSA

Clinical & Translational Science Awards

VA HEALTH CARE

Defining EXCELLENCE in the 21st Century

Health

University of Cincinnati / Cincinnati Childrens Hospital Medical Center  
Center for Clinical and Translational Science and Training

Longitudinal Example (many events) PID 8009

Data Exports, Reports, and Stats

VIDEO: How to use Data Exports, Reports, and Stats

Create New Report My Reports & Exports Other Export Options

This module allows you to easily view reports of your data, inspect plots and descriptive statistics of your data, as well as export your data to Microsoft Excel, SAS, Stata, R, or SPSS for analysis (if you have such privileges). If you wish to export your \*entire\* data set or view it as a report, then Report A is the best and quickest way. However, if you want to view or export data from only specific instruments (or events) on the fly, then Report B is the best choice. You may also create your own custom reports below (if you have such privileges) in which you can filter the report to specific fields, records, or events using a vast array of filtering tools to make sure you get the exact data you want. Once you have created a report, you may view it as a webpage, export it out of REDCap in a specified format (Excel, SAS, Stata, SPSS, R), or view the plots and descriptive statistics for that report.

My Reports & Exports

	Report name	View/Export Options	Management Options	Report ID (auto-generated)	Unique report name (auto-generated)
A	All data (all records and fields)	<a href="#">View Report</a> <a href="#">Export Data</a> <a href="#">Stats &amp; Charts</a>			
B	Selected instruments and/or events (all records)	<a href="#">Make custom selections</a>			
1	Test	<a href="#">View Report</a> <a href="#">Export Data</a> <a href="#">Stats &amp; Charts</a>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	48362	R-934R38DJCK

Create New Report

## 2. Fill the "Report ID" , and press the Execute button to display the report

REDCap2RShiny API & Token Data

Data Listing Reports Data Dictionary

Reports:

Report ID:  
48362

Raw or Label(Rows)?  
Raw

Raw or Label(Headers)?  
Raw

Execute

Download

View Report From REDCap

Show 10 entries

Search:

record_id	redcap_event_name	redcap_repeat_instrument	redcap_repeat_instance	subjectid	staff_contact	mother_fname_contact	mother_lname_contact	mat_dob_contact	child_fname_co
0aebc9b6858f8e953ea3816d47987aef	event_1_arm_1								
0aebddaea656ec3e9c7dedff6747954a	event_1_arm_1								
0b2646d5047f115fa7c1509826bd329e7	event_1_arm_1								
0bc0dbd2d9b56501eb97c741318d2990	event_1_arm_1								
0c339605c517b577cf8ee8418f719d29	event_1_arm_1								
0c339605c517b577cf8ee8418f719d29	general_arm_1								
0c339605c517b577cf8ee8418f719d29	week_3_mon_arm_1								
0ca7c4d4a16acaeeec2daa5c6fe69912e	event_1_arm_1								
0ca7c4d4a16acaeeec2daa5c6fe69912e	general_arm_1								
0ca7c4d4a16acaeeec2daa5c6fe69912e	week_3_mon_arm_1								

Showing 1 to 10 of 749 entries

Previous 1 2 3 4 5 ... 75 Next

## Step 5. View/Export Data Dictionary from REDCap

1. Select the instruments
2. Press Execute button to display result
3. Press Download button to export data dictionary in csv file.

REDCap2RShiny API & Token Data

Data Listing Reports Data Dictionary

Data Dictionary:

Instrument:  
contact\_information

Execute

Download

Show 10 entries Search:

field_name	form_name	section_header	field_type	field_label	select_choices_or_calculations	field_note	text_validation_type_or_show_slider_number	text_validation_min	text_validation_max
record_id	contact_information		text	Record ID					
subjectid	contact_information		text	<div class="rich-text-field-label"><p>Subject ID</p></div>					
staff_contact	contact_information		text	<div class="rich-text-field-label"><p>Username</p></div>					
mother_fname_contact	contact_information	<div class="rich-text-field-label"><p>Mother's Name</p></div>	text	<div class="rich-text-field-label"><p>Mother first name</p></div>					
mother_lname_contact	contact_information		text	<div class="rich-text-field-label"><p>Mother last name</p></div>					

Showing 1 to 10 of 19 entries

Previous 1 2 Next