

Montana Data Portal – Developers Quick Reference Document

SODA APIs

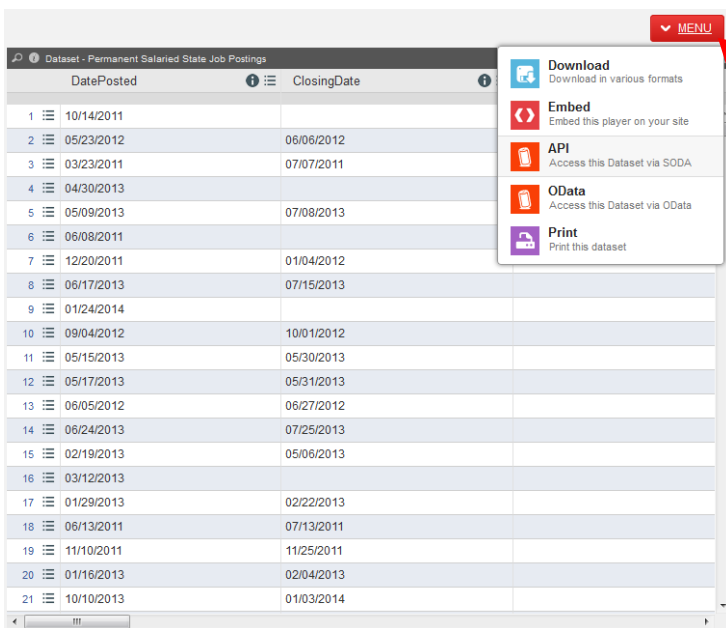
The Socrata Open Data API (SODA) allows software developers to access data hosted in Socrata sites such as data.mt.gov. In this platform, every dataset is automatically provided with a simple Application Programming Interface, or API (i.e. API endpoint), ensuring access to every dataset.

For more information and examples on how to use the SODA API, visit the [Developer Documentation\(external link\)](http://dev.socrata.com/). (<http://dev.socrata.com/>)

API Endpoints

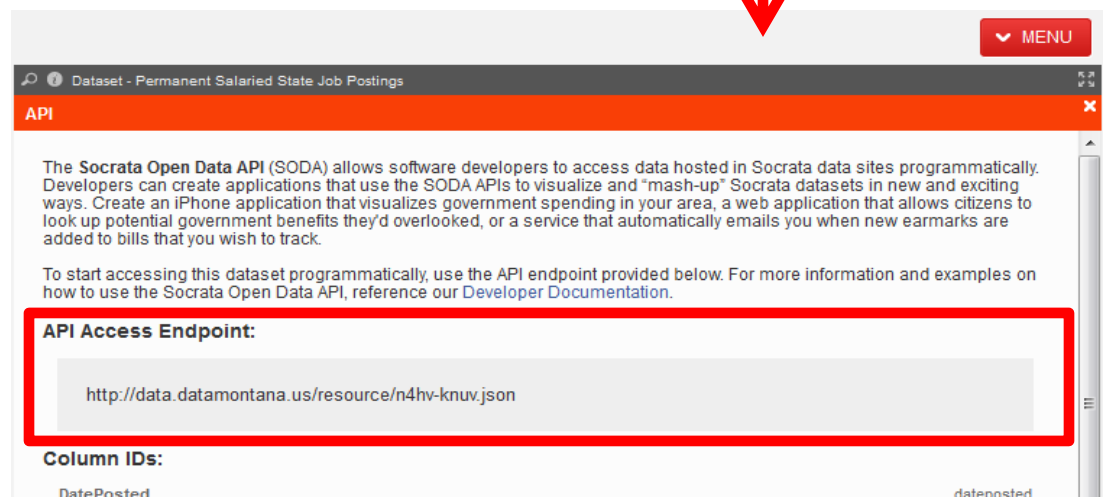
API Endpoints can be accessed two ways; directly from the menu button on the dataset or by clicking on the dataset to open the full screen view.

From the Menu Button



To start accessing a dataset, users need to know its API access endpoint. The API access endpoint for a given dataset can be found by:

1. Click on the Menu button
2. Select the API Option
3. Scroll Down to **API** link located under the 'API Access Endpoint' header



From the Opening the Dataset in Full Screen View

Click on the dataset title

	DatePosted	ClosingDate	NumberOfOpenings
1	10/14/2011		
2	05/23/2012	06/06/2012	
3	03/23/2011	07/07/2011	

To start accessing a dataset, users need to know its API access endpoint. The API access endpoint for a given dataset can be found by clicking the **Export > API** link located above each interactive dataset.

Dataset - Permanent Salaried State Job Postings

Permanent Salaried State Job Postings

Export > SODA API

Access this dataset via SODA

The Socrata Open Data API (SODA) allows software developers to access data hosted in Socrata data sites programmatically. Developers can create applications that use the SODA APIs to visualize and "mash-up" Socrata datasets in new and exciting ways. Create an iPhone application that visualizes government spending in your area, a web application that allows citizens to look up potential government benefits they'd overlooked, or a service that automatically emails you when new earmarks are added to bills that you wish to track.

To start accessing this dataset programmatically, use the API endpoint provided below. For more information and examples on how to use the Socrata Open Data API, reference our Developer Documentation.

API Access Endpoint:

`http://data.datamontana.us/resource/n4hv-knuv.json`

	DatePosted	ClosingDate	PositionCategoryName
1	10/14/2011		Life, Physical, and Social Science
2	05/23/2012	06/06/2012	Healthcare Practitioner and Technical
3	03/23/2011	07/07/2011	Healthcare Practitioner and Technical
4	04/30/2013		Healthcare Practitioner and Technical
5	05/09/2013	07/08/2013	Healthcare Practitioner and Technical
6	06/08/2011		Healthcare Practitioner and Technical
7	12/20/2011	01/04/2012	Management
8	06/17/2013	07/15/2013	Management
9	01/24/2014		Management
10	09/04/2012	10/01/2012	Legal
11	05/15/2013	05/30/2013	Management
12	05/17/2013	05/31/2013	Management
13	06/05/2012	06/27/2012	Management
14	06/24/2013	07/25/2013	Management

In general, the endpoint for every dataset is by default hosted under /resource. Datasets are addressable by that dataset's unique identifier, which users can locate at the end of any dataset URL.

Available Data Formats

The SODA API supports a number of different formats, including JSON, XML, CSV, and RDF. To change the output format of a request, simply change the extension you use on the resource. The JSON format is the most commonly used format for API responses, as it is the most compact and efficient format provided by Socrata.