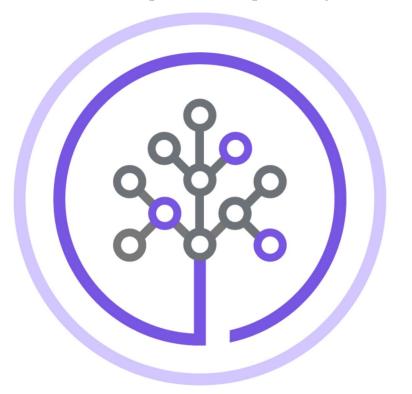
### Hands-on Lab: Upload and Export using Datasette



# Skills Netwo

Estimated time needed: 15 minutes

In this lab, you will learn how to upload and export data in a table using Datasette.

## **Objectives**

After completing this lab, you will be able to use the Datasette:

- Upload CSV file onto a table in Datasette.
- Export data from Datasette.

#### **Required Software**

In this lab, you will use Datasette, an open-source multi-tool for exploring and publishing data.

#### **Database**

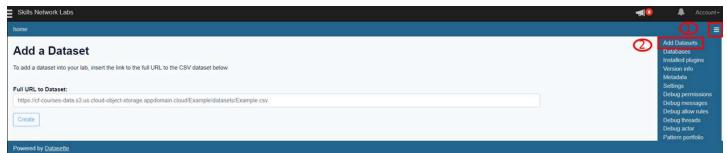
The first dataset used in this lab comes from the following source:  $\frac{https://dataplatform.cloud.ibm.com/exchange/public/entry/view/5562ced564e776edc5f91e13d48d8309?context = cpdaas.$  This dataset is published by  $\mathbf{IBM}$  and contains point data for a sample list of hospitals in the US.

Note that this is sample data for SQL demo purposes and is not necessarily current or accurate.

# Exercise 1: Upload Data into a Datasette by creating a table.

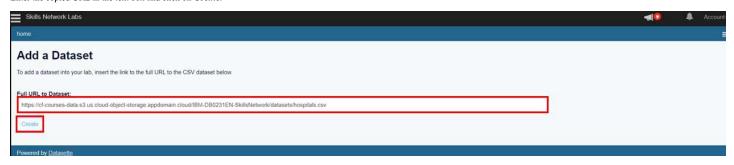
In this exercise, you will go through an example of uploading a CSV file and creating a table using the Datasette tool.

1. Once the Datasette tool is launched using the open tool, click on the Navigation Tool and then select Add DataSets option at the right-end corner.



2. You will then be redirected to a page where you need to enter the full URL of the CSV dataset in the text box.

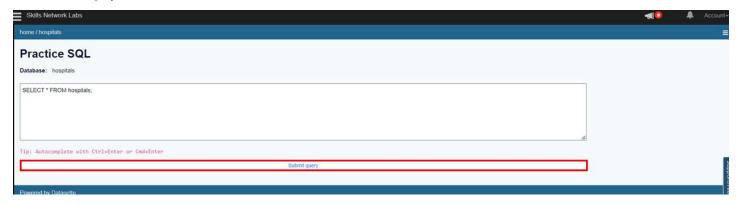
Enter the copied URL in the text box and click on Create.



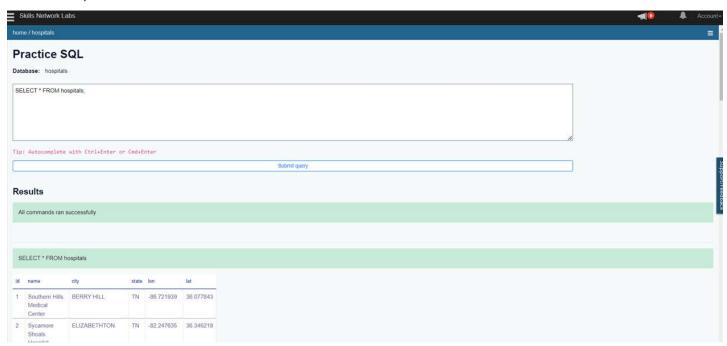
3. Then this will create the HOSPITALS table with the data loaded from the CSV file.

A select query related to the table will default appear in the text area section.

Click on the Submit Query button to view the results.

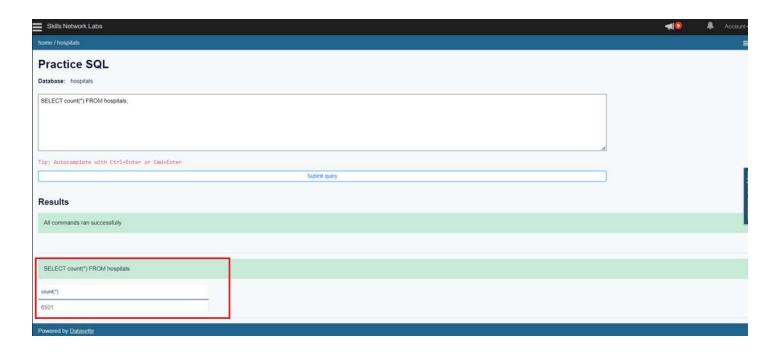


5. You have successfully created and loaded the **HOSPITALS** table.



6. Modify your select query as below to get the total number of records in the table.

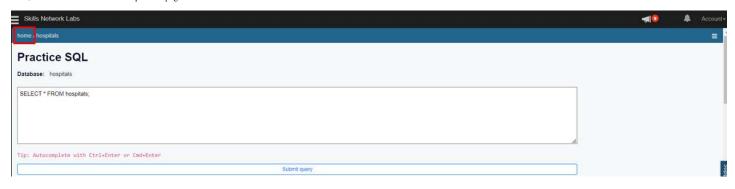
1. 1
1. SELECT count(\*) FROM hospitals;
Copied!



## **Exercise 2: Export a Table from Datasette.**

In Exercise 1, you have learned how to upload data from a file into a Datasette database. Now, in this exercise, you will export a table from the database into a CSV file.

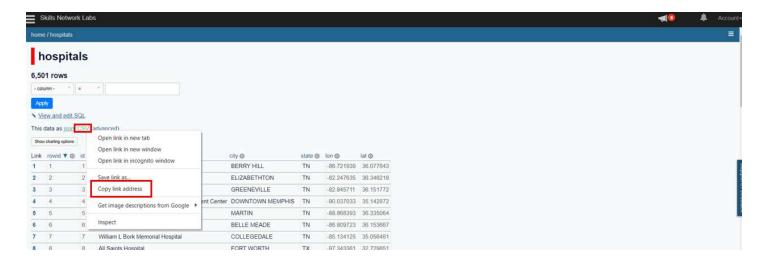
1. First, click the home link at the top of the page in the tool.



2. Click on the **hospitals** table link as highlighted below:



3. Right-click on the CSV and copy the link address.



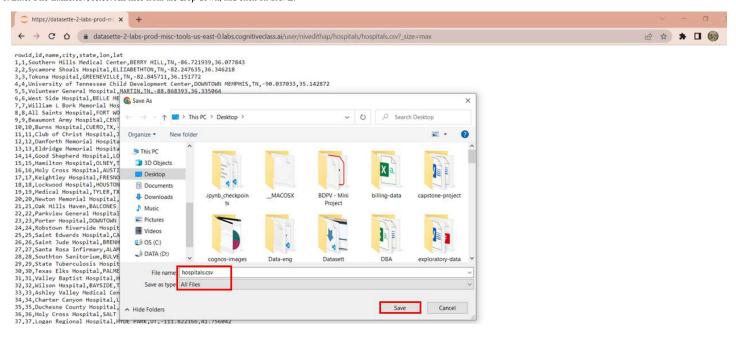
4. Paste the URL in a new tab and press ENTER. Now this will display all the data present in the table.



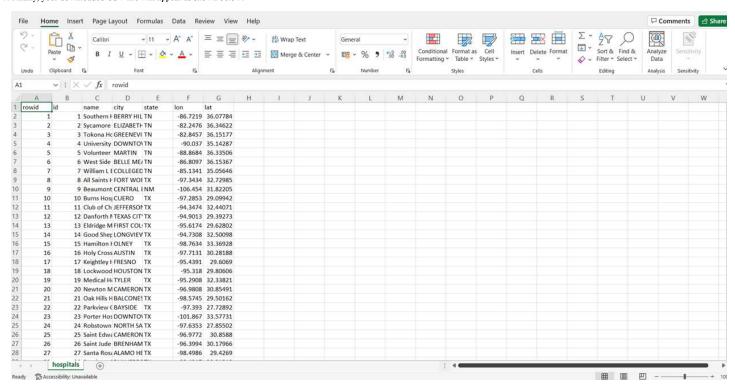
5. To save the file, right-click and select SAVE-AS.



6. Enter File-name.csv, select All files from the drop-down, and click on SAVE.



7. Finally, your downloaded CSV file will appear as shown below:



#### Author(s)

• Niveditha Pandith

#### Changelog

Date	Version	Changed by	Change Description
2021-07-08	1.0	Sandip Saha Joy	Created initial version
2021-10-04	2.0	David Pasternak	Rewrote with updated instructions
2022-05-28	2.1	Niveditha	Converted initial version to Datasette
2023-05-08	2.2	Eric Hao	Updated Page Frames