

This document briefly covers...

- Deployment steps.
- Server and client initialization (app startup).
- General usage guide for client web application.

Deployment steps...

- Create the following folder structure...
 - c:\NodeSource\CSV
 - c:\NodeSource\CSV\Public
 - c:\NodeSource\CSV\Uploads
- Copy GetCSV.js into c:\NodeSource\CSV
- Copy GetCSV.html to c:\NodeSource\CSV\Public
- If you have not yet, then make sure you have installed nodejs from <https://nodejs.org/en/download/>, selecting the install option best suited for you machine configuration.
- Make sure node.exe is in your system PATH. If not, a reboot after nodejs installation will do it.
- Open a command prompt and go to c:\NodeSource.
- Install the following nodejs modules from the command prompt...
 - npm install express
 - npm install connect-busboy
 - npm install fs-extra
 - npm install body-parser
 - npm install csv-parser
 - npm install sqlite3
- Now go to you CSV subfolder where you copied GetCSV.js.

Server and client initialization...

- Enter the following at the command prompt...
 - node getcsv.js
- The web service should be listening on port 8192.
- Open up a web browser with the following url...
 - <http://localhost:8192/getcsv.html>

General usage guide for client web application...

- You should now be looking at a web page with the following controls...
 - Generate CSV data BUTTON.
 - Choose file (CSV file) BUTTON.
 - Submit (Upload CSV file) BUTTON.
 - INPUT box to enter optional csv file name.
- Click Generate CSV data button to generate 1000,000 unique rows.
- CSV will be saved to default.csv if no filename is entered in the input field.
- Click choose file to browse for your CSV file to upload.

- Click Submit button to upload the CSV file to the web service.
- If no file has been selected, the submit button will do nothing.
- Upon successful CSV import to SQLite, there will be a database file called csvDB in your CSV sub folder with table named csv_import. This table will contain 1000,000 rows of data as per generated by the client browser application.
- If you want to inspect the table data you can install sqlite3 from <https://www.sqlite.org/download.html> into a separate folder. copy csvDB into it and run sqlite3.exe. Further use of sqlite3.exe with csvDB is not within the scope of this document.