

# VA Online Memorial - Data scraper improvements

## Revision History

Author	Revision Number	Date
TCCODER	1.0	Feb 09, 2018

## Deployment Instructions

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# Deployment Instructions

## 1. Deployment Dependencies

Before performing a deployment, it is assumed that the following have been set up:

- NodeJs 8+
- Postgresql Database
- Libpq (pg\_config)

## 2. Organization of Submission

- *va-backend/* – source of the submission
- *docs/* - the deployment guide

## 3. Deployment Instructions

Go to the *va-backend/* folder and follow the instructions of the README.md file to install all packages.

To install libpq do one of the following:

On OS X: brew install postgres  
On Ubuntu/Debian: apt-get install libpq-dev g++ make  
On RHEL/CentOS: yum install postgresql-devel

Change the database configuration in the *packages/va-data-scraper* and *packages/va-models* packages to match your Postgresql database configuration.

Go to the *va-backend/packages/va-data-scraper* and follow the instructions of the README.md file information on how to run the package.

**Don't run "npm install" inside the *va-backend/packages/va-data-scraper* folder.**

## 4. Verification

Go to the folder *va-backend/packages/va-data-scraper*.

Run the command:

```
$ npm run download-data
```

Wait until it downloads 20 files and hit Ctrl+C (if you want to download all files go ahead but it's not necessary).

As described in <https://apps.topcoder.com/forums/?module=Thread&threadID=912402>, an option to ignore CSV error can be made.





The following rules have been applied:

- 1- If column **relationship** is empty and names are equal to v\_names we set relationship to **Veteran (Self)**.
- 2- If column **relationship** is empty and last name is equal to v\_last\_name we set relationship to **Other Relative**.
- 3- If the v\_name or v\_last\_name columns are empty and relationship is equal to **Veteran (Self)**, we copy names to v\_names.
- 4- If birth date or death date are null, we calculate the veteran id using a MD5 hash of the entire CSV line. This could produce a duplicate result, but it's very unlikely.

## 5. Resource Contact List

Name	Resource Email
TCCODER	Through TopCoder Member Contact