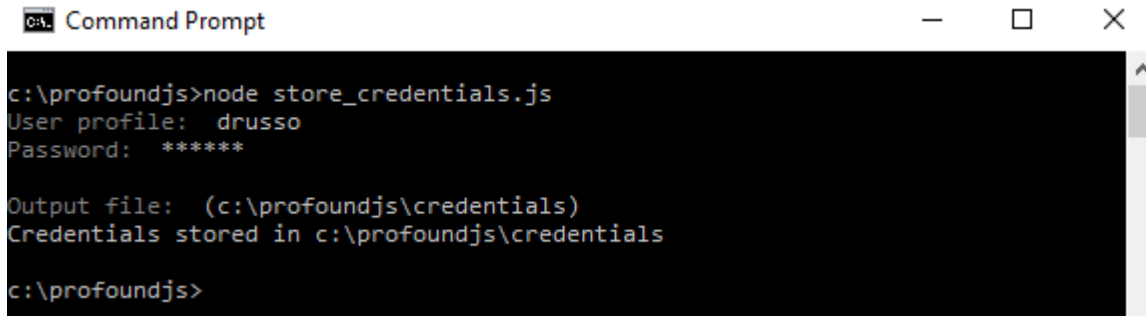


# Setting up a Connection to a Remote IBM i Instance

When running Profound.js on another platform, the instance can be configured to communicate with an instance hosted on IBM i. This allows Connector APIs (such as record file I/O, program calls, etc) to run with a generic user profile. To get started, you'll first need to store the IBM i credentials in a secure form. To do that, run the "store\_credentials" command-line utility as shown below. The utility will prompt for the IBM i user, password and output file location.



```
Command Prompt
c:\profoundjs>node store_credentials.js
User profile: drusso
Password: *****

Output file: (c:\profoundjs\credentials)
Credentials stored in c:\profoundjs\credentials

c:\profoundjs>
```

The file produced by the utility contains the credentials in encrypted form. Please note that the utility does not validate IBM i credentials.

Then, edit the "config.js" file and set the `connectorURL` to the desired URL, and `connectorCredentials` to the path of the file produced by the "store\_credentials" utility. For example:



```
1
2 module.exports = {
3   "port": 8081,
4   "staticFilesDirectory": "htdocs",
5   "pathlist": [
6     "pjssamples"
7   ],
8   "initialModules": {
9     "/hello": "pjssamples/hello",
10    "/hello2": "pjssamples/hello2",
11    "/connect4": "pjssamples/connect4"
12  },
13  "dbDriver": "IBMi",
14  "timeout": 3600,
15  "connectorURL": "http://myIBMi:8081",
16  "connectorCredentials": "c:\\profoundjs\\credentials"
17 }
18
```

After making these changes, the instance will need to be restarted. Any errors (i.e. can't connect to IBM instance, invalid credentials, etc.) will be reported during the server start up process and the instance will not start.

## Configuring the IBM i Instance to Allow Remote Connections

Starting in Profound.js version 4.9.0, access to Connector APIs by remote hosts is restricted for security purposes. See [connectorIPFilter](#) for instructions on configuring the IBM i instance to allow access to the Connector from remote hosts.

Starting in Profound.js version 5.2.0, access to Connector APIs by remote hosts requires the `connectorCredentials` be set on the IBM i instance.. See [connectorCredentials](#) for instructions on configuring the IBM i instance `connectorCredentials` property.