

How to debug TruAPI tests using IntelliJ

TruAPI is a Node.JS-based load-testing protocol supported by [HP StormRunner Load](#). TruAPI enables you to create JavaScript-based virtual user (Vuser) scripts and provides an API for handling transactions, think time, logging and HTTP handling.

So, if you like the notion of mastering your test and using code to write it with TruAPI and StormRunner Load, here are some tips that you should find useful.

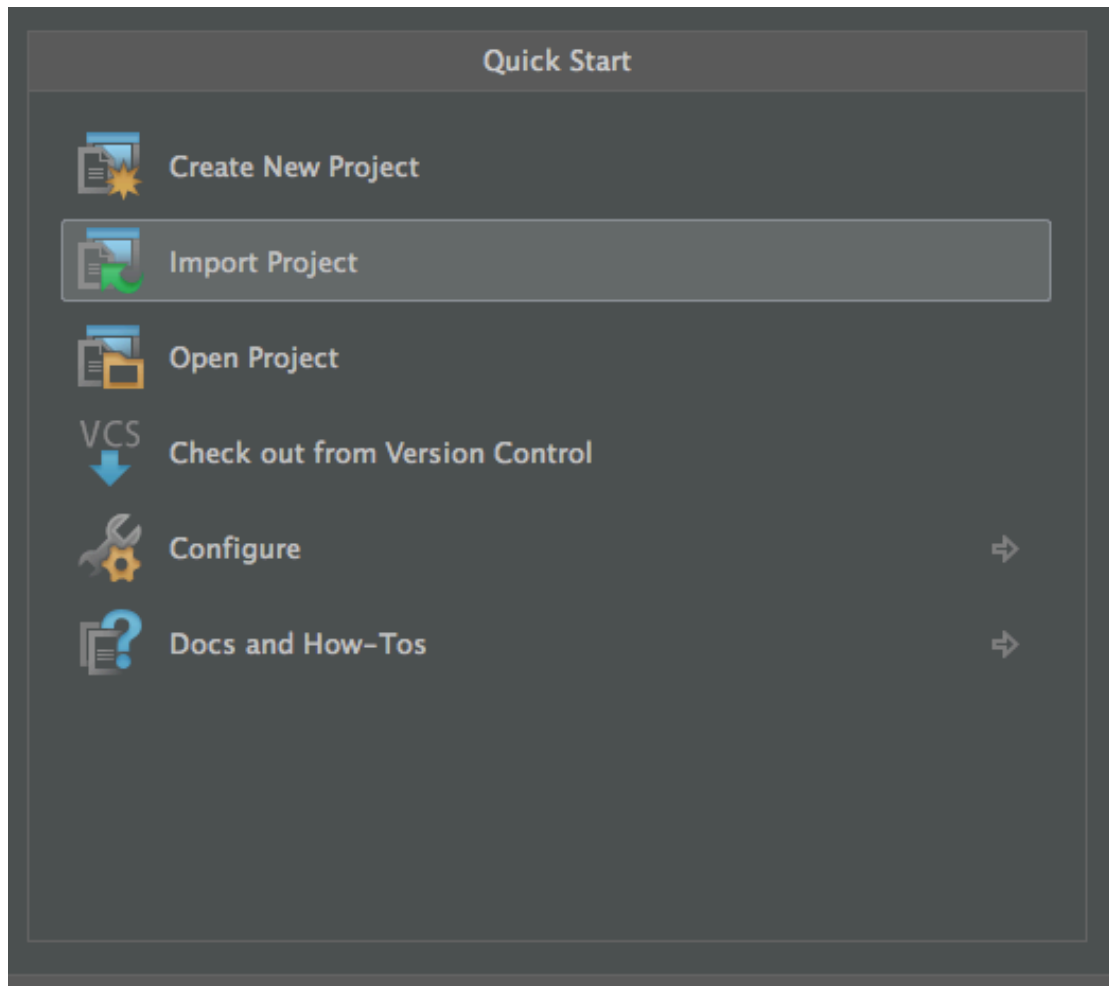
Writing complex tests and code usually means that you will need to do some debugging, put some breakpoints here and there, and watch some variables in order to detect issues with the code and fix them.

TruAPI is based on javascript and node.js which make it very easy to run from your local machine, but because StormRunner Load uses its own engine to run tests, you need to do some quick tweaking in order to debug as well.

The steps described below already assume that:

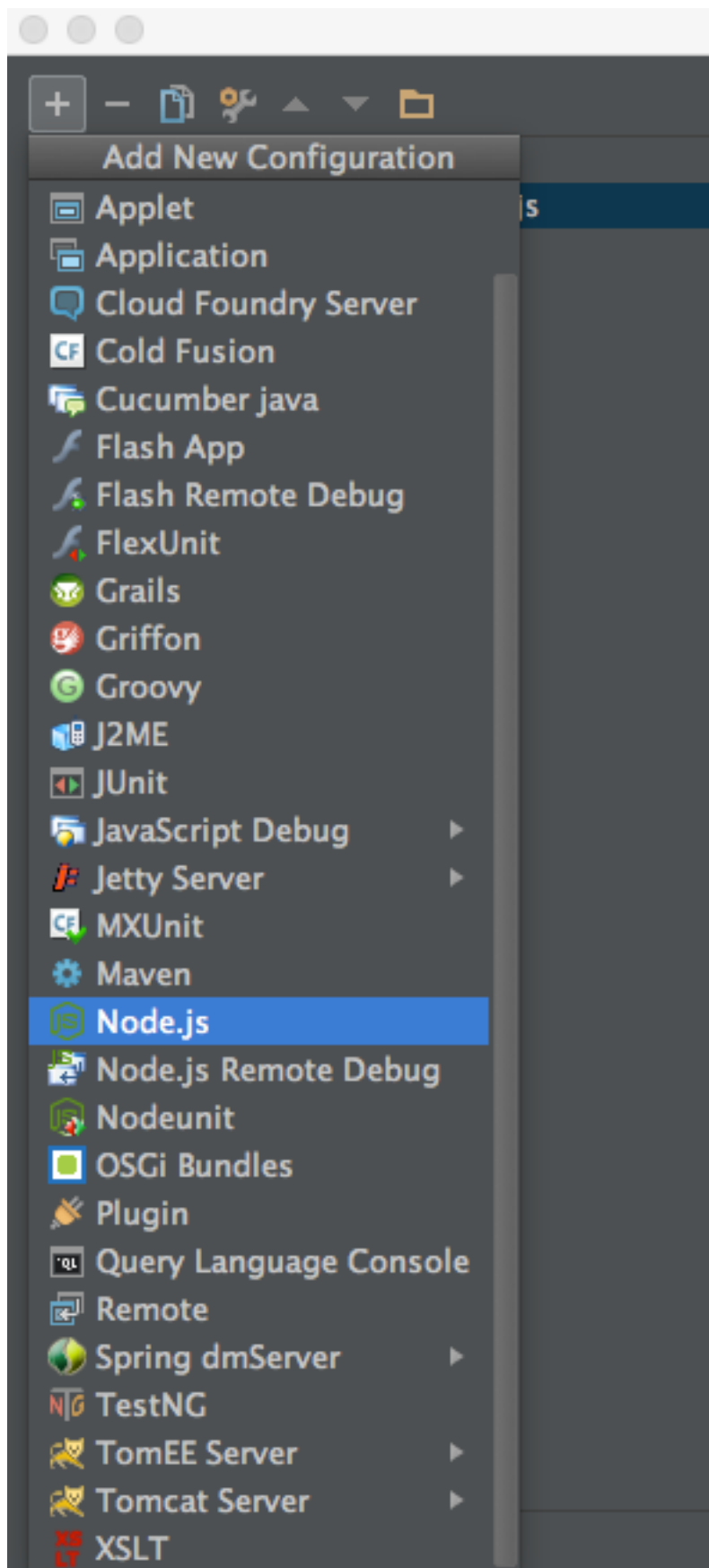
- You know how to debug nodejs app using IntelliJ and that your IntelliJ environment is already set up with node. If not you can easily check how to do that [here](#)
- You already followed our documentation [here](#), downloaded and installed TruAPI.
- Created your first test and ran it using the ***truapi-cli*** command.

Create a new IntelliJ project by selecting ***Import Project***



Select your test folder, press next and IntelliJ will identify the test as Static Web module.

After you added your test and the project files appear on the left, it's time to configure IntelliJ to run and debug the test. Choose **Edit Configurations**, and add **New configuration- > node.js configuration**:



Configure it as follows:

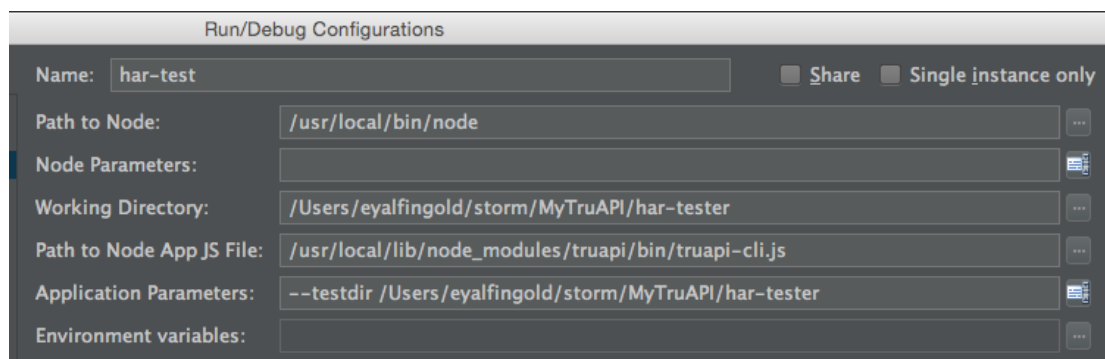
- Path to node on your machine (... by default).
- Set the test's working directory (for example: The screenshot below shows the working directory for a test called "har-test")
- Add the path to the truAPI engine as installed in the global node modules. the path to the node's app's JS file.

For example: /usr/local/lib/node_modules/truapi/bin/truapi-cli.js

In windows it is usually:

c:\Users\{username}\AppData\Roaming\npm\node_modules\truapi\bin\truapi-cli.js

- Pass the name of the JavaScript file or the folder of the test as an Application Parameter.
In case of entire folder, pass "--testdir <dirname>
- Set the working Directory to the test folder



That's it; you're ready to hit run/debug. Good luck!

One last tip for the road:

When you want to upload the test you need to run **npm pack**, but you don't want the debug engine and other files such as .iml, .csv and logs to be added to the test, just add another file: **.npmignore**

If you pack again you also would like not to pack the previous .tgz as well

The .npmignore file should look like this to make **npm pack** ignore the unnecessary files:

```
*.csv
*.log
.idea/*
bin/*.
node_modules/*
lib/*
index.js
*.iml
*.tgz
.npmignore
```

Feel free to leave a comment in the box below.