How to debug Atompm?

Here we are using Visual Studio code to debug Atompm code.

Step1: Start the "httpwsd.js" file from terminal.

```
Last login: Mon May 4 10:11:22 on ttys004
(base) wenjuns-MacBook-Pro:~ wenjunshi$ cd atompm/
(base) wenjuns-MacBook-Pro:a wenjunshi$ cd atompm/
(base) wenjuns-MacBook-Pro:atompm wenjunshi$ node httpwsd.js
    info - socket.io started
    info - handshake authorized qcok3PbzCM5dUwlaCxqb

>> {"workerType":"/csworker","workerId":0}
    info - handshake authorized ggA9a35pf5Np9qnbCxqc

>> {"workerType":"/asworker","workerId":1)
    info - handshake authorized Jdbs9mV9zJYYLRWQCxqd
    info - transport end (heartbeat timeout)
```

Step2: Open Atompm from browser.

Step3: Set breakpoint in the source code.

Here is an example:

```
self.nextInput = "packetIn"

self.compiler = ptcal._compiler
self.ptcal = ptcal
self.rules = {}

self.startStateID = None

for id in self.t['nodes']:

rule = self.ruleIdentifier(self.t['nodes'], id)

if rule == None:

if self.t['nodes'][id]['$type'] == self.metamodel+"/LRule" or \
self.t['nodes'][id]['stype'] == self.metamodel+"/LR
```

In example, I set two breakpoints in the motifcontext.py file.

Step4: Start debugging from the main.py file.

- -go to main.py file
- -start debugging under that file.

Step5: Go to Atompm browser, hit the breakpoint from there.

In the example, it will hit the breakpoint when loading a transformation file. So, In the browser,

- -open a sample bird model
- load transformation T_run.model.

Then it will go to visual studio code and stops at the first breakpoint we set.

Step6: Check attributes of the transformation.

When your hang over t["nodes"], you will see more info about the transformation.