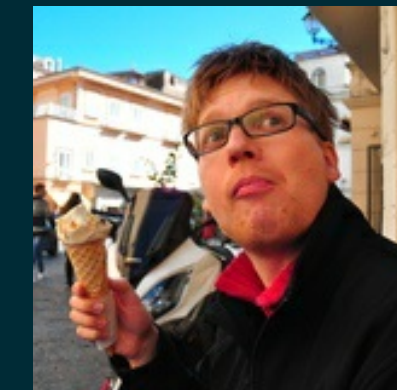


ANDREAS OFFENHÄUSER

#node #diving #microservices #iot #architecture
#bosch #skiing

@an0xFF

github.com/anoff



AVA/AVAJS

Futuristic JavaScript test runner

SELECTED FEATURES

MAXIMUM CONCURRENCY

- test cases run concurrently
- test files are spawned in parallel (new node process)

INTEGRATED ES2015 SUPPORT

- integrated babel
- write tests and don't worry about transpiling
- transpiles on execution

ASYNC/AWAIT

callback < promises < await

- super readable test cases

FILE WATCH

- watches test and all other .js files
- reruns affected tests if
 - test file is modified
 - required source files are modified

OPINIONATED BUT CUSTOMIZABLE

- almost everything can be customized
- `ava` entry in `package.json`

ISSUES

(UNLIMITED) PARALLELIZATION

- one process per test file
- `concurrency=N` for large projects
- use `concurrency=N` to limit (EXPERIMENTAL)

MINIMALISTIC API

- AVA strives to be as simple as possible
- no huge assertion libraries (only [powerassert](#))


```
test('unit.add() should multiply numbers', t => {  
  return t.true(unit.add(2, 3) === 6);  
});
```

4 passed [16:28:51]

1 failed

test > unit.add() should multiply numbers

t.true(unit.add(2, 3) === 6)

























|

5

Test.t [as fn] (test.js:27:10)

NO TEST GROUPING

- write small test files
 - multiple testfiles per source
 - refactor code to keep interfaces and tests small
- ["Nested Unit Tests: An Anti-Pattern"?](#) by Kent C. Dodds

 test-http-agent-getname.js
 test-http-agent-keepalive.js
 test-http-agent-maxsockets-reg...
 test-http-agent-maxsockets.js
 test-http-agent-no-protocol.js
 test-http-agent-null.js
 test-http-agent.js
 test-http-allow-req-after-204-re...
 test-http-automatic-headers.js
 test-http-bind-twice.js
 test-http-blank-header.js
 test-http-buffer-sanity.js
 test-http-byteswritten.js
 test-http-catch-uncaughtexcepti...
 test-http-chunk-problem.js
 test-http-chunked-304.js
 test-http-chunked.js
 test-http-client-abort-event.js
 test-http-client-abort.js
 test-http-client-abort2.js
 test-http-client-aborted-event.js
 test-http-client-agent.js
 test-http-client-default-headers...
 test-http-client-encoding.js

NO BROWSER TESTING

- can be done using the [browser-env](#) package
- or try [jest](#)

V0.17.0

- no stable API
- who knows what sindresorhus is up to next month..

- ava is perfect for small projects
- for larger projects invest to analyze your needs
- assertion APIs might help you in larger teams

give it a try