

# Invalid string in instrumented code caused by unescaped Windows pathmarks #491

New issue

Closed TomGault opened this issue on May 11 · 14 comments



TomGault commented on May 11

I don't have the time to do a complete PR for this guy but I'll tell you what I do know:

- I develop on a Windows box. I just cloned a project which was developed likely entirely on Macs.
- I ran the gruntfile which fired up Mocha to run tests using blanket for code coverage reporting.
- Blanket barfed with an error something like this:

```
[15:55:11] /c/git-repos/project (master)
$ grunt
Running "jshint:files" (jshint) task
>> 24 files lint free.

Running "mochaTest:test" (mochaTest) task
>> Mocha exploded!
>> Error: BLANKET-Error parsing instrumented code: Error: BLANKET-Error parsing instrumented code:
>> if (typeof _$jscoverage['c:\git-repos\project\somefile.js'] === 'u
>>                                     ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>> Unexpected token ILLEGAL
>>   at c:\git-repos\project\node_modules\blanket\src\index.js:174:35
>>   at Object.blanket._blanket.instrument (c:\git-repos\project\node_modules\blanket\src\blanket
>>   at Object.require.extensions..js (c:\git-repos\project\node_modules\blanket\src\index.js:155
>>   at Module.load (module.js:355:32)
>>   at Function.Module._load (module.js:310:12)
>>   at Module.require (module.js:365:17)
>>   at require (module.js:384:17)
>>   at Object.<anonymous> (c:\git-repos\project\test\core\authSpec.js:11:12)
>>   at Module._compile (module.js:460:26)
>>   at Module._extensions..js (module.js:478:10)
Warning: Task "mochaTest:test" failed. Use --force to continue.

Aborted due to warnings.
[15:57:01] /c/git-repos/project (master)
$
```

It looks like the Windows pathmarks are not being escaped. That is, `c:\git-repos` should be `c:\\git-repos`, or, since node is pretty smart, it totally works if you use `c:/git-repos`.

`project/node_modules/blanket/src/index.js` looks like this (starting at line 128 for me)

```
//instrument js files
require.extensions['.js'] = function(localModule, filename) {
  var pattern = blanket.options("filter"),
      reporter_options = blanket.options("reporter_options"),
      originalFilename = filename,
      inputFilename = filename;
  filename = blanket.normalizeBackslashes(filename);

  //we check the never matches first
```

If I change it to this (i.e. normalize the input filename), then the error goes away:

## Labels

None yet

## Milestone

No milestone

## Assignee

No one assigned

## 7 participants



```
//instrument js files
require.extensions['.js'] = function(localModule, filename) {
  var pattern = blanket.options("filter"),
      reporter_options = blanket.options("reporter_options"),
      originalFilename = filename,
      inputFilename = blanket.normalizeBackslashes(filename);
  filename = inputFilename;

  //we check the never matches first
```



Jeff-Lewis commented on May 15

+1



bengreenier commented on May 18

@TomGault FWIW, that fix worked great for me 🧐

f2bo referenced this issue from a commit in manifoldjs/ManifoldJS on May 27

Temporarily updated blanket NPM dependency in package.json to use a f... ⋮

0a587cc

f2bo referenced this issue in manifoldjs/ManifoldJS on May 27

**Grunt task fails with a fatal error - Mocha exploded! #69**

🔒 Closed



CaptainNic commented on May 27

@TomGault : Fix works for me as well 👍



theneva commented on Jun 6

+1

theneva referenced this issue from a commit in theneva/blanket on Jun 6

#491 Normalize inputFilename because of Windows ⋮

cc21984

theneva referenced this issue from a commit in theneva/blanket on Jun 6

Running `mocha` exploded in Windows environments after 1.1.6 because ... ⋮

24bb755

theneva referenced this issue from a commit in theneva/blanket on Jun 6

Running `mocha` exploded in Windows environments after 1.1.6 because ... ⋮

d4e0157

theneva referenced this issue from a commit in theneva/blanket on Jun 6

Mocha explodes in Windows environments after 1.1.6 because the paths ... ⋮

60cadd9

theneva referenced this issue from a commit in theneva/blanket on Jun 6

Mocha explodes in Windows environments after 1.1.6 because the paths ... ⋮



613cf98

theneva referenced this issue from a commit in theneva/blanket on Jun 6

Normalize backslashes in Windows environments. ⋮

4201a0c

 theneva referenced this issue from a commit in theneva/blanket on Jun 6

  Normalize backslashes in Windows environments. ...

d198477

 theneva referenced this issue on Jun 6


**Normalize backslashes in Windows environments. #502**

 Closed



theneva commented on Jun 6

... wtf. Submitted PR #502 with @TomGault's fix. Sorry about the spam – I thought GitHub knew better.

 theneva referenced this issue in dickeyxxx/mean-sample on Jun 6

**Not able to run mocha tests with blanket - CH11 #33**

 Open



TomGault commented on Jun 7

Haha, no problem. Thanks so much for doing the leg-work!



mikkotikkanen commented on Jul 6

+1 to this as well. Just ran into the same issue.

Would be nice to get the PR merged and new patch released since I would like to use blanket but since most of our development is happening in Windows envs, the thing doesn't currently work :(



mikkotikkanen commented on Jul 6

Also, I noticed that the `relativepath` reporter configuration doesn't work neither (for the same reason).

However, in `node_modules/blanket/src/index.js:149` changing this:

```
inputFilename = filename.replace(process.cwd(), "");
```

...into this...

```
inputFilename = filename.replace(blanket.normalizeBackslashes(process.cwd()), "");
```

...fixed the issue.

Could you update this into the PR?



theneva commented on Jul 6

@mikkotikkanen That line doesn't exist on the `development` branch, which I branched out from due to the contribution guidelines... hopefully @alex-seville can explain how we can handle this to make everyone's lives easier?



mikkotikkanen commented on Jul 6

Oh. Great.

alex-seville commented on Jul 6



Owner

Due to a lack of resources for project maintenance, the master branch is effectively the main branch now. If you open a PR against master I may have time to review and merge. Sorry.



mikkotikkanen commented on Jul 6

Kk. Yeah, that's why the dev branch is usually master since it keeps the maintenance work at minimum, providing the pull requests are proper. :)

TomGault referenced this issue on Aug 2

**Normalize backslashes in Windows environments. (master) #514**

Merged



TomGault commented on Aug 2

Okay, new PR created! @mikkotikkanen, probably best that you make a new PR for your suggestion.



TomGault commented on Aug 3

#514 is merged now. Thanks everyone!

TomGault closed this on Aug 3

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