

# SEP #76 : AtomsCheckModule

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Version: 1.0  
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Review:  
Commented:  
State:  
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## Abstract

There is no function to check that a given ATOMS module is OK.

This is a problem, as the list of ATOMS module is growing and it might happen that a given module well installed on ATOMS but does not work with the current version of Scilab. Another potential issue is a wrong management of the dependencies of a module. Another possible issue is a wrong description of the module because of a wrong packaging or a failure in the ATOMS system itself.

In the end, the only way to check that a module is available to users is to check this manually, may be on several platforms. But there is no atoms function to help this process.

atomsCheckModule(names [, verbose]) function, will

- install,
- load,
- run the tests,
- uninstall a given module.

It is possible to automate this task, by combining the atomsInstall, atomsLoad, atomsTest and atomsRemove functions.

See Bug 8650 for more informations (Thanks to Michael Baudin)

## Example Usage

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scilab-branch-master

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Startup execution:

loading initial environment

```
-->modules_to_check = ['apifun';'csv_readwrite'];
```

```
-->atomsCheckModule(modules_to_check, %t)
```

Number of modules to check: 2

\* Installing ...

```
!apifun 0.3.1-1 user SCIHOME\atoms\apifun\0.3.1-1 I !
```

\* Loading ...

Start Apifun

Load macros

Load help

Type "help apifun\_overview" for quick start.

```
!apifun 0.3.1-1 user SCIHOME\atoms\apifun\0.3.1-1 !
```

\* Testing ...

TMPDIR = E:\TEMP\SCI\_TMP\_4900\_

001/001 - [SCIHOME\atoms\apifun\0.3.1-1] :

001/024 - [SCIHOME\atoms\apifun\0.3.1-1] argindefault.....passed

002/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkcallable.....passed

003/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkcomplex.....passed

004/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkdims.....passed

005/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkflint.....passed

006/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkgreg.....passed

007/024 - [SCIHOME\atoms\apifun\0.3.1-1] checklhs.....passed

008/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkloweq.....passed

009/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkoption.....passed

010/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkrange.....passed

011/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkreal.....passed

012/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkrhs.....passed

```
013/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkscalar.....passed
014/024 - [SCIHOME\atoms\apifun\0.3.1-1] checksquare.....passed
015/024 - [SCIHOME\atoms\apifun\0.3.1-1] checktype.....passed
016/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkveccol.....passed
017/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkvecrow.....passed
018/024 - [SCIHOME\atoms\apifun\0.3.1-1] checkvector.....passed
019/024 - [SCIHOME\atoms\apifun\0.3.1-1] complete.....passed
020/024 - [SCIHOME\atoms\apifun\0.3.1-1] complete2.....passed
021/024 - [SCIHOME\atoms\apifun\0.3.1-1] expandfromsize.....passed
022/024 - [SCIHOME\atoms\apifun\0.3.1-1] expandvar.....passed
023/024 - [SCIHOME\atoms\apifun\0.3.1-1] keyvaluepairs.....passed
024/024 - [SCIHOME\atoms\apifun\0.3.1-1] bug_540.....passed
```

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Summary

```
tests          24 - 100 %
passed         24 - 100 %
failed         0 - 0 %
skipped        0 - 0 %
length         23.92 sec
```

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\* Removing ...

the package apifun (0.3.1-1) is currently loaded, It will be removed at next Scilab start

\* Installing ...

!csv\_readwrite 0.6-0 user SCIHOME\atoms\csv\_readwrite\0.6-0 I !

\* Loading ...

Start CSV read write

Load macros

Load gateways

Load help

Load demos

Type "demo\_gui()" and search for "CSV read write" for Demonstrations.

!csv\_readwrite 0.6-0 user SCIHOME\atoms\csv\_readwrite\0.6-0 !

\* Testing ...

TMPDIR = E:\TEMP\SCI\_TMP\_4900\_

001/001 - [SCIHOME\atoms\csv\_readwrite\0.6-0] :

001/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_default....passed  
002/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_isnum.....passed  
003/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_read.....passed  
004/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_read\_regexp...passed  
005/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_readwrite..passed  
006/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_stringToDoublepassed  
007/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_textscan...passed  
008/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] csv\_write.....passed  
009/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] bug\_1.....passed  
010/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] bug\_2.....passed  
011/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] bug\_3.....passed  
012/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] bug\_4.....passed  
013/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] bug\_5.....passed  
014/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] bug\_6.....passed  
015/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_194.....skipped: Long  
time duration  
016/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_245.....passed  
017/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_275.....passed  
018/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_281.....passed  
019/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_297.....passed  
020/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_298.....passed  
021/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_299.....passed  
022/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_350.....passed  
023/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_351.....passed  
024/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_352.....passed  
025/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_353.....passed  
026/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_360.....passed  
027/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_481.....passed  
028/028 - [SCIHOME\atoms\csv\_readwrite\0.6-0] ticket\_644.....passed

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Summary

tests	28 - 100 %
passed	27 - 96 %
failed	0 - 0 %
skipped	1 - 3 %
length	20.34 sec

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\* Removing ...

the package csv\_readwrite (0.6-0) is currently loaded, It will be removed at next Scilab start

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## Changelog

1.0 – Allan CORNET - Initial version

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