

brainvisa-development - Defect #18683

python packaging may be broken when mixing up several installs of the same module

25/07/2018 06:44 PM - Riviere, Denis

Status:	Closed	Start date:	25/07/2018
Priority:	Normal	Due date:	
Assignee:	Riviere, Denis	% Done:	0%
Category:	brainvisa-cmake	Estimated time:	0:00 hour
Target version:	brainvisa-4.6	Spent time:	0:00 hour
Resolution:	Fixed		

Description

We have this problem for instance on Ubuntu 18.04, where numpy is installed on the system, then we have upgraded it using pip. The install copies all modules in inverse path order, and both numpy installs end up in the same directory. New files replace older ones, which seems OK. But in fact some files have changed names, and numpy happens to try loading the older names first. A set of compiled modules, `/usr/lib/python2.7/dist-packages/numpy/core/*.x86_64-linux-gnu.so` are named without the `.x86_64-linux-gnu` extension in the newer module, but the former ones are loaded. So we must **not** copy the older ones in the install. Maybe we should completely remove directories which already exist when copying modules in the install, but I'm not sure some are not reused partly.

Associated revisions

Revision 83588 - 22/10/2018 03:26 PM - Riviere, Denis

try to fix #18683 by deleting subdirectories of dist-packages or site-packages before re-writing new modules at the same place. Seems to fix Ubuntu 18.04 but I have not tested side effects on other systems yet.

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Revision 83627 - 25/10/2018 11:00 AM - Riviere, Denis

fix in dirs to remove, #18683 was not completely fixed yet.

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History

#1 - 24/10/2018 05:11 PM - Riviere, Denis

- Status changed from New to Closed
- Assignee set to Riviere, Denis
- Resolution set to Fixed

fixed by selectively deleting previous installations of numpy ([r83606](#), [r83612](#))