

TYPO3 Core - Bug #17861

Extension Manager does not sort versions of an extension correctly

2007-11-28 21:14 - Micha Barthel

Status:	Closed	Start date:	2007-11-28
Priority:	Should have	Due date:	
Assignee:		% Done:	0%
Category:	Extension Manager	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	4.1	Is Regression:	
PHP Version:	4.3	Sprint Focus:	
Tags:			

Description

This list not sorted!

```
$versions = array_keys($this->xmlhandler->extensionsXML[$extKey]['versions']);  
$latestVersion = end($versions);
```

On line: 1610,1735,1382.....

User this sort Function from Elmar Hinz:

Own

Sort:


```
usort($versions, array('SC_mod_tools_em_index', 'compare'));
```


Function:


```
function compare($aln, $bln) {  
    $aParts = explode('.', $aln, 2);  
    $bParts = explode('.', $bln, 2);  
    $a = (int) $aParts0;  
    $b = (int) $bParts0;  
    if($a > $b){  
        return 1;  
    }elseif($a < $b){  
        return -1;  
    }else {  
        if(is_string($aParts1)) {  
            return SC_mod_tools_em_index::compare($aParts1, $bParts1);  
        }else {  
            return 0;  
        }  
    }  
}
```


regards Micha Barthel

(issue imported from #M6854)

Related issues:

Related to TYPO3 Core - Bug #22378: "Check for extension updates" does not al...

Closed

2010-04-05

Related to TYPO3 Core - Bug #22441: importExtInfo() does not sort versions co...

Closed

2010-04-13

History

#1 - 2007-11-29 11:09 - Benni Mack

can you give some examples what exactly the error is and why it is sorted?

#2 - 2007-11-29 17:13 - Micha Barthel

There is a BUG when you like to get the current Ext Version (see Ext: lab_newsfolders), but this is not by every Ext!
I had this problem with my t3s Extensions.....

#3 - 2007-11-30 10:06 - Elmar Hinz

To say it in my words:

```
01. $versions = array_keys($this->xmlhandler->extensionsXML[$extKey]['versions']);
02. $latestVersion = end($versions);
```

The function `array_keys()` does not guarantee, that the array `$versions` is sorted in a proper way by versions. So it's a bug to simply call the `end()` function upon `$versions`. As a result `$latestVersion` does not always contain the latest version as expected.

Solution:

```
01. $versions = array_keys($this->xmlhandler->extensionsXML[$extKey]['versions']);
02. $this->sortVersions($versions);
03. $latestVersion = end($versions);
```

Micha has given an example how `sortVersions()` could look like:

```
usort($versions, array('SC_mod_tools_em_index', 'compare'));
```

etc.

#4 - 2007-11-30 12:54 - Oliver Hader

I can confirm this. The current "sorting" is just the order of the entries of the xml file (<http://typo3.org/fileadmin/ter/extensions.xml.gz>). And this list isn't sorted correctly in all cases.

Elmar, your sort function looks good to me, just one annotation:

```
"if(is_string($aParts1)) {" should be "if (isset($aParts1) && isset($bParts1)) {"
```

#5 - 2007-11-30 19:31 - Elmar Hinz

Remark:

The above sorting algorithm assumes that the latest version equals the highest version. That sounds natural on the first glance. But is it true?

Someone could have two branches for his extension: 2.x.x and 3.x.x.

While 3.3.3 would be the highest version 2.2.2 could still be the latest upload.

It depends on the context, what is really wanted.

#6 - 2009-10-04 21:59 - Richard

I can confirm that this bug is still present in 4.2.9. It took hours of my time to find out that the things in the manual didn't work because DAM 1.0.5 was installed as the latest DAM, although 1.1 is the latest version now.

Please integrate the solution as above. I think it is more useful to get the latest version below than the latest upload. In Elmar's example, where is the usefulness of the order 2.2.2, 3.3.3, 2.2.3, 3.3.4, 2.2.4 and later + 3.3.5 instead of 2.2.2, 2.2.3, 2.2.4, 3.3.4, 3.3.5 ? If you want to stay on 2.x, you can't use the latest upload anyway (because it could be a 3.x)

#7 - 2010-05-14 00:15 - Chris topher

The erroneous code has partly been fixed with the related bugs.

But there is still two occurrences left:

One in `installExtension()` and one in `importExtFromRep()`.

#8 - 2010-05-14 01:14 - Lars Houmark

I am working on a patch.

Christopher will you be able to test? I don't have a test case currently.

#9 - 2010-05-14 01:30 - Lars Houmark

Patch uploaded, and RFC posted to the core list. Now waiting for reviews, unless it is accepted as no-brainer.

@Christopher: If you (or others) have testcases, please either post them in the thread in the core list or email me them directly. Notice the BT mailer doesn't work atm, so I am unlikely to see a note here with a testcase.

#10 - 2012-08-19 13:15 - Felix Kopp

This issue can be closed.

#11 - 2012-08-20 00:13 - Michael Stucki

- Status changed from *Accepted* to *Resolved*

- Target version deleted (0)

Thanks Felix!

#12 - 2018-10-02 12:32 - Benni Mack

- Status changed from *Resolved* to *Closed*

Files

bug.txt	1.05 KB	2007-11-28	Administrator Admin
6854.diff	957 Bytes	2010-05-14	Administrator Admin