| Status: | | B 25 25 | |
|---|---|---|---|
| A 11 | Resolved | Priority: | Should have |
| Author: | Ernesto Baschny | Category: | Install Tool |
| Created: | 2013-10-10 | Assigned To: | Ernesto Baschny |
| Updated: | 2014-04-16 | Due date: | |
| TYPO3 Version: | 6.2 | | |
| PHP Version: | | | |
| Complexity: | medium | | |
| Sprint Focus: | | | |
| Subject: Description | Install Tool: Remove permiss | sion checking and fixing code from | "tolder structure" |
| later in the "Folder Str | ucture" menu entry. | | fixing - In the Install Tool "Step Installer" a the responsability of a "secure" and |
| | | | constelations and exceptional conditions |
| Default permissions (f | or new folders / files) should be: | | |
| Folders: 2775 | | | |
| Files: 0664 | | | |
| practice setup for diffe | rent PHP vs Webservers vs OS | nstallation". The wiki page could b variants. | active settings, pointing to a Wiki page e collaborative effort documenting the best |
| practice setup for diffe Streamline what is con Errors are: - Default permissio - Directories that do - Directories that are - Paths that are file - Paths that are not | rent PHP vs Webservers vs OS nsidered an "Error", "Warning" a ns allowing world (other) writing | nstallation". The wiki page could b variants. nd Notice": (o+w) | |
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| related to Core - Bug # 53037: Install Tool: Folder structure is too strict | Closed | 2013-10-22 | |
|---|----------|------------|--|
| related to Core - Task # 57055: Wrong unit tests after Installer permission fix | Resolved | 2014-03-18 | |
| related to Core - Bug # 52016: wrong recommendations for typo3temp permission | Closed | 2013-09-15 | |
| related to Core - Bug # 58809: Default permissions for new files should be 0664 | Resolved | 2014-05-14 | |

Associated revisions

Revision 18a8f444 - 2014-03-15 22:06 - Ernesto Baschny

[TASK] Install Tool: Optimize permission checking and fixing

- Adjust default permissions back to "world readable" (775/664)
- Do not attempt to fix permissions on an existing folder structure
- Streamline the separation of Notices, Warnings and Errors
- Cosmetical optimizations in the "Folder Structure" item
- Also report if the default permissions are too insecure (i.e. world writeable / readable).

Note that the new defaults (775/664) are set to make the system work by default on almost most scenarios, but the recommended secure setup is still 770/660. This is on purpose to make the administrator aware of it but will require manual intervention (i.e. "thinking") if this setup will work or not (we cannot detect that automatically).

Resolves: #52668 Releases: 6.2 Change-Id: 177c72617fa58fd808ebc5fd818e94b48c2644102 Reviewed-on: https://review.typo3.org/25416 Reviewed-by: Christian Kuhn Reviewed-by: Wouter Wolters Reviewed-by: Wouter Wolters Reviewed-by: Stefan Neufeind Reviewed-by: Stefan Neufeind Reviewed-by: Philipp Gampe Reviewed-by: Anja Leichsenring Tested-by: Anja Leichsenring Reviewed-by: Ernesto Baschny Tested-by: Ernesto Baschny

History

#1 - 2013-11-15 00:28 - Gerrit Code Review

- Status changed from Accepted to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at https://review.typo3.org/25416

#2 - 2013-11-16 23:55 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at https://review.typo3.org/25416

#3 - 2013-11-16 23:57 - Ernesto Baschny

- Assigned To changed from Christian Kuhn to Ernesto Baschny
- % Done changed from 0 to 90
- Complexity set to medium

#4 - 2013-11-17 00:12 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <u>https://review.typo3.org/25416</u>

#5 - 2014-01-12 08:25 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at https://review.typo3.org/25416

#6 - 2014-01-12 08:47 - Michiel Roos

Would it be possible to use only a umask instead of separate file and dir permissions? The umask could be set once per script invocation (or just outside of the loop doing the file operations). This would save a lot of octdec() calls and chmod() calls.

Just an idea. Have not done any tests yet. The file creation functions respect the current umask.

The PHP man page says:

Avoid using this function in multithreaded webservers. It is better to change the file permissions with chmod() after creating the file. Using umask() can lead to unexpected behavior of concurrently running scripts and the webserver itself because they all use the same umask.

So I guess this would be a nono for most cases. Implementing it as an option could be done, but would introduce unwanted complexity. So I guess we need to live with chmod for a while longer.

We should cache the octdec() calls in the calling classes though.

#7 - 2014-01-12 08:59 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <u>https://review.typo3.org/25416</u>

#8 - 2014-01-12 10:38 - Michiel Roos

- File chmodTest.php added

Please see this chmod test. All mode values are stored in a variable.

You can see that in the first case, where the mode is stored as an int, and prefixed with a 0, the permissions are set correctly without a call to octdec.

#9 - 2014-01-13 10:51 - Michiel Roos

- File chmodTest.php added

Here's a little test to figure out how PHP handles this whole chmod situation. We try both string values and plain int values to set the access controls.

It turns out that mkdir does not respect the sticky bit. An extra chmod is needed to add it. Not even ignoring the umask helps. Is this a PHP bug?

http://pastebin.com/RnHcFmJx

If we decide to keep on using the string values for the mode, the octdec() call should happen only once per class instance, when setting the mode property. The default property would have to be the 'dec' value then: 436 or 1533.

```
protected function setTargetPermission($permission) {
    $this->targetPermission = octdec($permission);
}
```

If we change the mode property to be a plain integer, we can completely do away with the octdec() calls. But the directry mode must be prefixed by a 0 for that to work correctly.

#10 - 2014-01-13 14:18 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at https://review.typo3.org/25416

#11 - 2014-03-11 16:56 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at https://review.typo3.org/25416

#12 - 2014-03-12 12:30 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at https://review.typo3.org/25416

#13 - 2014-03-15 20:51 - Gerrit Code Review

Patch set 9 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at https://review.typo3.org/25416

#14 - 2014-03-15 22:30 - Ernesto Baschny

- Status changed from Under Review to Resolved

- % Done changed from 90 to 100

Applied in changeset commit:18a8f44414593cccd3469ff63afe6d90ebd7cab1.

#15 - 2014-03-27 17:45 - Jan Radecker

- Estimated time set to 0.00

#16 - 2014-04-16 23:30 - Jan Radecker

- Estimated time deleted (0.00)

| Files | | | | |
|---------------|-----------|------------|--------------|--|
| chmodTest.php | 897 Bytes | 2014-01-12 | Michiel Roos | |
| chmodTest.php | 1.5 kB | 2014-01-13 | Michiel Roos | |