# TYPO3 Core - Task #97578

## Mark GeneralUtility as strict

2022-05-08 12:01 - Oliver Klee

| | | | | |
|---|---|---|---|---|
| **Status:** | Resolved | | **Start date:** | 2022-05-08 |
| **Priority:** | Should have | | **Due date:** | |
| **Assignee:** | | | **% Done:** | 100% |
| **Category:** | Code Cleanup | | **Estimated time:** | 0.00 hour |
| **Target version:** | 12 LTS | | | |
| **TYPO3 Version:** | 12 | | **Complexity:** | |
| **PHP Version:** | | | **Sprint Focus:** | |
| **Tags:** | | | | |

| Description |
|---|
| This is the first step to pinpoint and fix any problems before we can start adding native types to the GU methods in multiple separate changes. |

| Related issues: | | |
|---|---|---|
| Related to TYPO3 Core - Bug #97887: List module broken since #97578 | **Resolved** | **2022-07-11** |
| Blocked by TYPO3 Core - Bug #97579: Avoid calling string functions with non-s... | **Resolved** | **2022-05-08** |
| Blocked by TYPO3 Core - Bug #97580: Always call GU::intExplode with a string ... | **Resolved** | **2022-05-08** |

## Associated revisions

### Revision 99248534 - 2022-07-09 21:30 - Oliver Klee

[BUGFIX] Always call GU::intExplode with a string

This helps avoid breakage when GeneralUtility will switch to
strict mode.

This change also prevents a bunch of possible invalid
array access warnings.

Resolves: #97580
Related: #97578
Releases: main
Change-Id: Iba6eae561cf8e3607474287683d606a63d14f041
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/75080
Tested-by: Nikita Hovratov <nikita.h@live.de>
Tested-by: core-ci <typo3@b13.com>
Tested-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>

### Revision 0c425998 - 2022-07-10 14:00 - Oliver Klee

[BUGFIX] Always call GU::intExplode with a string in EXT:frontend

This helps avoid breakage when GeneralUtility will switch to
strict mode.

This change also prevents a bunch of possible invalid
array access warnings.

Resolves: #97584
Related: #97578
Releases: main
Change-Id: Iaf23147d2ffdbca3a5c8205b2c32926c46084021
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/75079
Tested-by: Nikita Hovratov <nikita.h@live.de>
Tested-by: core-ci <typo3@b13.com>
Tested-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>

**Revision c8d0fc71 - 2022-07-10 19:09 - Oliver Klee**

[TASK] Mark GeneralUtility as strict

This is the first step before we can start adding
native types to the GU methods in multiple separate
changes.

Resolves: #97578
Releases: main
Change-Id: I42e9da54b072f3c6d204ec5b8b32b797ab7996ec
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572
Tested-by: core-ci <typo3@b13.com>
Tested-by: Nikita Hovratov <nikita.h@live.de>
Tested-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>

**Revision 5ff079ad - 2022-07-11 08:41 - Andreas Fernandez**

[BUGFIX] Cast `$chars` argument of `fixed_lgd_cs()` to int

Since #97578, `GeneralUtility` is declared strict, potentially breaking
calls to `fixed_lgd_cs()` in at least the "List" module. The argument
`$chars` must be of type int, but sometimes it's a string which breaks
the call of `abs()`.

All calls to this method are adjusted, where required, and the value is
explicitly cast to int.

Resolves: #97887
Related: #97578
Releases: main
Change-Id: I7feed1ae8dbe7cdbc906d73cfbc49f7d9dbeb6fe
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/75091
Tested-by: Oliver Bartsch <bo@cedev.de>
Tested-by: core-ci <typo3@b13.com>
Tested-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Oliver Bartsch <bo@cedev.de>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>

## History

### #1 - 2022-05-08 12:22 - Gerrit Code Review

*- Status changed from New to Under Review*

Patch set 1 for branch **main** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #2 - 2022-05-08 12:39 - Gerrit Code Review

Patch set 2 for branch **main** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #3 - 2022-05-08 12:48 - Gerrit Code Review

Patch set 3 for branch **main** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #4 - 2022-05-08 13:23 - Gerrit Code Review

Patch set 4 for branch **main** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #5 - 2022-05-08 14:32 - Oliver Klee

*- Blocked by Bug #97579: Avoid calling string functions with non-strings in GeneralUtility added*

### #6 - 2022-05-08 14:32 - Oliver Klee

*- Blocked by Bug #97580: Always call GU::intExplode with a string parameter added*

### #7 - 2022-05-08 15:05 - Gerrit Code Review

Patch set 5 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #8 - 2022-05-09 13:55 - Gerrit Code Review

Patch set 6 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #9 - 2022-05-10 11:34 - Gerrit Code Review

Patch set 7 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #10 - 2022-05-10 15:15 - Oliver Klee

*- Blocked by Epic #97602: Always call GU::trimExplode with a string parameter added*

### #11 - 2022-05-29 12:40 - Gerrit Code Review

Patch set 8 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #12 - 2022-06-09 09:12 - Gerrit Code Review

Patch set 9 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #13 - 2022-06-09 11:46 - Gerrit Code Review

Patch set 10 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #14 - 2022-06-19 09:53 - Gerrit Code Review

Patch set 11 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #15 - 2022-06-20 10:10 - Gerrit Code Review

Patch set 12 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #16 - 2022-07-09 09:55 - Gerrit Code Review

Patch set 13 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #17 - 2022-07-09 10:15 - Gerrit Code Review

Patch set 14 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #18 - 2022-07-09 10:31 - Gerrit Code Review

Patch set 15 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #19 - 2022-07-09 10:44 - Gerrit Code Review

Patch set 16 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #20 - 2022-07-09 10:47 - Oliver Klee

*- Blocked by deleted (Epic #97602: Always call GU::trimExplode with a string parameter)*

### #21 - 2022-07-10 12:02 - Gerrit Code Review

Patch set 17 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

### #22 - 2022-07-10 14:21 - Gerrit Code Review

Patch set 18 for branch **main** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/74572

**#23 - 2022-07-10 19:15 - Oliver Klee**

*- Status changed from Under Review to Resolved*

*- % Done changed from 0 to 100*


Applied in changeset [c8d0fc7118ee60f6b0b8a79d8d0a2dc73f32875b](#).

**#24 - 2022-07-11 06:15 - Andreas Fernandez**

*- Related to Bug #97887: List module broken since #97578 added*