TYPO3 Core - Bug #35154
Exclude E_STRICT from exceptionalErrors in PHP 5.4

2012-03-22 17:23 - Steffen Müller

Status: Closed
Priority: Should have
Assignee:
Category:
Target version:
TYPO3 Version: 4.7
PHP Version:
Tags:

Description
From PHP 5.4, E_STRICT became part of E_ALL

This leads to a whole bunch of thrown exception on PHP runtime notices.

To keep behavior of error handling with PHP 5.4, we need to exclude E_STRICT from exceptionalErrors:

I am not sure, if replacing:

E_ALL

with

E_ALL & ~E_STRICT

is working in combination with ^ operator.

For example, replace:

E_ALL ^ E_NOTICE

with

E_ALL & ~E_STRICT ^ E_NOTICE

Can any please confirm?

I can't test ATM because PHP started to constantly segfault my apache.

Related issues:
Duplicated by TYPO3 Core - Bug #38444: PHP 5.4 issue?!  Closed  2012-06-28
Duplicated by TYPO3 Core - Bug #39232: PHP error_reporting cannot be set prop...  Closed  2012-07-25
Duplicated by TYPO3 Core - Bug #38691: Exclude E_STRICT on PHP 5.4  Closed  2012-07-05
Precedes TYPO3 Core - Bug #38645: New error_reporting settings cause notice "...  Closed  2012-07-04

Associated revisions
Revision 4f73988d - 2012-06-11 22:28 - Steffen Müller
From PHP 5.4, E_STRICT became part of E_ALL. This leads to lots of runtime notice exceptions when using PHP 5.4. To avoid that, E_STRICT needs to be excluded from error reporting.

Change-Id: i457585b03e2c7d6722c61636a04af47b4b5191f5
Fixes: #35154
Releases: 6.0, 4.7, 4.6, 4.5
Reviewed-on: http://review.typo3.org/10524
Reviewed-by: Helmut Hummel
Tested-by: Helmut Hummel
Reviewed-by: Stefan Neufeind
Reviewed-by: Christian Kuhn
Tested-by: Christian Kuhn

Revision 18332caf - 2012-06-21 00:37 - Steffen Müller
[BUGFIX] Exclude E_STRICT from exceptionalErrors

From PHP 5.4, E_STRICT became part of E_ALL. This leads to lots of runtime notice exceptions when using PHP 5.4. To avoid that, E_STRICT needs to be excluded from error reporting.

Change-Id: ladddfe42f48af0c902a67c157d052b4ec15ee8da
Fixes: #35154
Releases: 6.0, 4.7, 4.6, 4.5
Reviewed-on: http://review.typo3.org/11636
Reviewed-by: Christian Kuhn
Tested-by: Christian Kuhn

Revision 3b90001b - 2012-06-23 23:42 - Steffen Müller
[BUGFIX] Exclude E_STRICT from error reporting

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2020-02-23
From PHP 5.4, E_STRICT became part of E_ALL. This leads to lots of runtime
notice exceptions when using PHP 5.4. To avoid that, E_STRICT needs to be
excluded from error reporting.

Change-Id: I7ccd81a936384bc9417fcba79a59b9a0d255d229
Fixes: #35154
Releases: 6.0, 4.7, 4.6, 4.5
Reviewed-on: http://review.typo3.org/12528
Reviewed-by: Steffen Ritter
Tested-by: Steffen Ritter
Reviewed-by: Oliver Hader
Tested-by: Oliver Hader

The main entry points have been refactored, but some places have been
forgotten leading to E_STRICT errors flooding the log.

Refactor all places to use the same code:
error_reporting(E_ALL & ~(E_STRICT | E_NOTICE | E_DEPRECATED));

Change-Id: Iff2040357c7cc04224820f4685202aeced996865
Resolves: #35154
Fixes: #38691
Releases: 4.6
Revision 02442d87 - 2012-07-25 19:09 - Philipp Gampe

[BUGFIX] Exclude E_STRICT from errors with PHP 5.4

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```

Change-Id: I57afeb356349bf486236b6c083df28ed6d6d9f
Related: #35154
Fixes: #38691
Releases: 4.7
Reviewed-on: http://review.typo3.org/12690
Reviewed-by: Markus Klein
Reviewed-by: Marcus Schwemer
Tested-by: Marcus Schwemer
Tested-by: Markus Klein
Reviewed-by: Helmut Hummel
Tested-by: Helmut Hummel

Revision 841862e1 - 2012-07-25 19:09 - Philipp Gampe

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```

Change-Id: I5ba40bcefd236d77b21c2b545685bcae40e60f1f
Related: #35154
Fixes: #38691
Releases: 6.0
Reviewed-on: http://review.typo3.org/12689
Reviewed-by: Marcus Schwemer
Tested-by: Marcus Schwemer
Reviewed-by: Markus Klein
Tested-by: Markus Klein
Reviewed-by: Helmut Hummel
Revision 3e948f8c - 2012-07-28 16:00 - Philipp Gampe

[BUGFIX] Exclude E_STRICT from errors with PHP 5.4

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Related: #35154
Fixes: #38691
Releases: 6.0
Reviewed-on: http://review.typo3.org/12689
Reviewed-by: Marcus Schwemer
Tested-by: Marcus Schwemer
Reviewed-by: Markus Klein
Tested-by: Markus Klein
Tested-by: Helmut Hummel
Tested-by: Helmut Hummel

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History

#1 - 2012-03-22 19:36 - Markus Klein
Just to ensure the bitmask is correct:

```php
E_ALL & ~(E_STRICT | E_NOTICE)
```

#2 - 2012-04-15 12:29 - Gerrit Code Review
- Status changed from New to Under Review

Patch set 1 for branch master has been pushed to the review server.
It is available at http://review.typo3.org/10524

#3 - 2012-04-16 15:30 - Gerrit Code Review

Patch set 2 for branch master has been pushed to the review server.
It is available at http://review.typo3.org/10524

#4 - 2012-04-17 12:40 - Peter Niederlag
@backporting: there might be additional calls which set the error_reporting() level that need to be fixed! (typo3/sysext/cms/tslib/index_ts.php)

#5 - 2012-05-09 09:36 - Gerrit Code Review
Patch set 3 for branch master has been pushed to the review server.
It is available at [http://review.typo3.org/10524](http://review.typo3.org/10524)

#6 - 2012-05-09 09:53 - Gerrit Code Review
Patch set 4 for branch master has been pushed to the review server.
It is available at [http://review.typo3.org/10524](http://review.typo3.org/10524)

#7 - 2012-05-13 17:51 - Gabriel Kaufmann / Typoworx NewMedia
I tried to get TYPO3 4.6.8 work on PHP 5.4. My current Ubuntu provided PHP 5.3 seems to encounter an PHP-Bug, so I compiled the latest PHP 5 stable (5.4 release) as alternative.

I didn't get TYPO3 to get work stable on this PHP 5.4 release! I got the "Core" working mostly after patching "/index.php" and "/typo3/init.php" with my own error_reporting settings.

I think the original error-reporting setup should be replaced like this:

TYPO3-Core files:

- /index.php
- /typo3/init.php

```php
// Set error reporting
error_reporting(E_ALL ^ E_NOTICE ^ E_DEPRECATED);

// PHP 5.4 FIX, TYPOWORX <info@typoworx.de>
if (strnatcmp(phpversion(), '5.4.0') >= 0) {
    error_reporting(E_ALL ^ E_STRICT ^ E_NOTICE ^ E_WARNING ^ E_DEPRECATED);
}
```

But non the less, the result is very poor. A lot of TYPO3 Core-Classes and Extension-Classes doesn't seem to work fine on PHP 5.4 release without a bunch of improvements.

2020-02-23 6/9
#8 - 2012-05-26 02:49 - Gerrit Code Review
Patch set 1 for branch **TYPO3_4-7** has been pushed to the review server.
It is available at [http://review.typo3.org/11636](http://review.typo3.org/11636)

#9 - 2012-05-26 10:14 - Gerrit Code Review
Patch set 5 for branch **master** has been pushed to the review server.
It is available at [http://review.typo3.org/10524](http://review.typo3.org/10524)

#10 - 2012-05-28 17:49 - Gerrit Code Review
Patch set 6 for branch **master** has been pushed to the review server.
It is available at [http://review.typo3.org/10524](http://review.typo3.org/10524)

#11 - 2012-05-29 09:51 - Gerrit Code Review
Patch set 7 for branch **master** has been pushed to the review server.
It is available at [http://review.typo3.org/10524](http://review.typo3.org/10524)

#12 - 2012-05-29 10:02 - Gerrit Code Review
Patch set 2 for branch **TYPO3_4-7** has been pushed to the review server.
It is available at [http://review.typo3.org/11636](http://review.typo3.org/11636)

#13 - 2012-06-11 22:30 - Steffen Müller
- Status changed from Under Review to Resolved
- % Done changed from 0 to 100

Applied in changeset 4f73988debd2b8469809bc80d361df84c47bf.

#14 - 2012-06-30 02:03 - Mario Rimann
How can we make sure that this change will be applied to 4.6 and 4.5 branches and end up in the next maintenance release of those?

#15 - 2012-07-02 22:38 - Gerrit Code Review
- Status changed from Resolved to Under Review

Patch set 1 for branch **TYPO3_4-5** has been pushed to the review server.
It is available at [http://review.typo3.org/12520](http://review.typo3.org/12520)

#16 - 2012-07-02 22:42 - Gerrit Code Review
Patch set 1 for branch **TYPO3_4-6** has been pushed to the review server.
It is available at [http://review.typo3.org/12529](http://review.typo3.org/12529)

#17 - 2012-07-02 22:43 - Gerrit Code Review
Patch set 2 for branch **TYPO3_4-6** has been pushed to the review server.
It is available at [http://review.typo3.org/12529](http://review.typo3.org/12529)

#18 - 2012-07-04 11:30 - Mario Rimann
- Status changed from Under Review to Resolved

Applied in changeset d8f537d182dbbe5ca0f3c6dfbb10a13a06520e95c3.
#19 - 2012-07-07 15:41 - Gerrit Code Review
- Status changed from Resolved to Under Review

Patch set 1 for branch TYPO3_4-6 has been pushed to the review server. It is available at [http://review.typo3.org/12691](http://review.typo3.org/12691)

#20 - 2012-07-25 19:30 - Philipp Gampe
- Status changed from Under Review to Resolved

Applied in changeset ce5ba95ca61b55c1bc59433ea347f32901f474e1.

#21 - 2012-07-27 16:15 - Gerrit Code Review
- Status changed from Resolved to Under Review

Patch set 1 for branch TYPO3_4-7 has been pushed to the review server. It is available at [http://review.typo3.org/13156](http://review.typo3.org/13156)

#22 - 2012-07-28 18:22 - Gerrit Code Review
Patch set 1 for branch TYPO3_4-6 has been pushed to the review server. It is available at [http://review.typo3.org/13291](http://review.typo3.org/13291)

#23 - 2012-07-28 18:22 - Gerrit Code Review
Patch set 1 for branch TYPO3_4-6 has been pushed to the review server. It is available at [http://review.typo3.org/13313](http://review.typo3.org/13313)

#24 - 2012-09-26 21:54 - Wouter Wolters
Please close this issue. All affected branches are up to date.

#25 - 2012-09-26 22:39 - Stefan Galinski
- Status changed from Under Review to Closed

#26 - 2013-07-12 10:34 - Bernhard Eckl
I also had the same problem and tried so many things for a few hours. I cloned a T3 system to a new Debian 7 server with PHP 5.4. I have set via .htaccess:

```bash
php_flag display_startup_errors off
php_flag display_errors off
php_flag html_errors off
php_value docref_root 0
php_value docref_ext 0

php_value error_reporting 0
php_value display_errors 0
php_value display_errors Off
php_value error_reporting 0

php_value display_errors 0
php_value error_reporting 30719
```

And via localconf.php:

```
$TYPO3_CONF_VARS['SYS']['exceptionalErrors'] = '30711';
```
But it did not help. Opening phpinfo via install tool gives me:

error_reporting local = 22519  
error_reporting master = 30719

But when I set `php_admin_value error_reporting 30711` in the apache configuration, the strict errors are gone and I have `error_reporting local = 30711`.

Like this:

```
<Directory /var/www/vhosts/host/>
  Options Indexes FollowSymLinks MultiViews
  php_admin_value error_reporting 30711
  AllowOverride All
  Order allow,deny
  allow from all
</Directory>
```

So I think TYPO3 overwrites that values. If I ran phpinfo separately (not via Install Tool), it displays the same local value as the master value.

TYPO3 version ist 4.7.12.