

## TYPO3 Core - Bug #87953

### SiteMatcher Warning: Use of undefined constant INTL\_IDNA\_VARIANT\_UTS46

2019-03-19 15:30 - Markus Pircher

<b>Status:</b>	Closed	<b>Start date:</b>	2019-03-19
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Link Handling, Site Handling & Routing	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Candidate for patchlevel	<b>Complexity:</b>	
<b>TYPO3 Version:</b>	9	<b>Is Regression:</b>	
<b>PHP Version:</b>	7.2	<b>Sprint Focus:</b>	
<b>Tags:</b>	9.5.7		

#### Description

With bugfix <https://review.typo3.org/c/Packages/TYPO3.CMS/+60232> SiteMatcher using idn\_to\_ascii().

On our system Typo3 9.5-dev not work with installed intl.

Our Server run with CPanel on CentOS 6, and only an old version of Intl is installed, and the constant INTL\_IDNA\_VARIANT\_UTS46 not exist.

#### Related issues:

Related to TYPO3 Core - Bug #87090: Site module > Umlauts in domains not work...	<b>Closed</b>	<b>2018-12-06</b>
Related to TYPO3 Core - Bug #87843: Unicode characters as entry point in site...	<b>Closed</b>	<b>2019-03-05</b>
Related to TYPO3 Core - Task #90634: Allow latest guzzle versions	<b>Closed</b>	<b>2020-03-04</b>

#### Associated revisions

##### Revision 0feb1eec - 2019-05-08 23:05 - Benni Mack

[BUGFIX] Make php-intl work with older ICU versions

On old OS with ICU < 4.6, the constant INTL\_IDNA\_VARIANT\_UTS46 is not available, even if php-intl is installed.

Therefore, a wrapper is created in HttpUtility to check if the constant is available, then uses INTL\_IDNA\_VARIANT\_UTS46 otherwise the 2003 version of the HttpUtility.

Also see the section about INTL\_IDNA\_VARIANT\_UTS46 within <https://www.php.net/manual/en/intl.constants.php>

Resolves: #87953

Releases: master, 9.5

Change-Id: I594c0ffd9afa115de595b0c027bf2474c3abfabf

Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+60710>

Reviewed-by: Sven Juergens <[typo3@blue-side.de](mailto:typo3@blue-side.de)>

Reviewed-by: Kevin Meckl <[kevin.meckl@zdrei.com](mailto:kevin.meckl@zdrei.com)>

Reviewed-by: Timo Poppinga <[timo.poppinga@zdrei.com](mailto:timo.poppinga@zdrei.com)>

Reviewed-by: Andreas Fernandez <[a.fernandez@scripting-base.de](mailto:a.fernandez@scripting-base.de)>

Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>

Tested-by: Timo Poppinga <[timo.poppinga@zdrei.com](mailto:timo.poppinga@zdrei.com)>

Tested-by: Andreas Fernandez <[a.fernandez@scripting-base.de](mailto:a.fernandez@scripting-base.de)>

##### Revision 3a2b54a1 - 2019-05-08 23:05 - Benni Mack

[BUGFIX] Make php-intl work with older ICU versions

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Resolves: #87953  
Releases: master, 9.5  
Change-Id: I594c0ffd9afa115de595b0c027bf2474c3abfab  
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+60711>  
Reviewed-by: Sven Juergens <[typo3@blue-side.de](mailto:typo3@blue-side.de)>  
Reviewed-by: Kevin Meckl <[kevin.meckl@zdrei.com](mailto:kevin.meckl@zdrei.com)>  
Reviewed-by: Timo Poppinga <[timo.poppinga@zdrei.com](mailto:timo.poppinga@zdrei.com)>  
Reviewed-by: Andreas Fernandez <[a.fernandez@scripting-base.de](mailto:a.fernandez@scripting-base.de)>  
Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>  
Tested-by: Timo Poppinga <[timo.poppinga@zdrei.com](mailto:timo.poppinga@zdrei.com)>  
Tested-by: Andreas Fernandez <[a.fernandez@scripting-base.de](mailto:a.fernandez@scripting-base.de)>

#### **Revision 59d5159a - 2019-12-13 11:51 - Benni Mack**

[BUGFIX] Mark guzzlehttp/guzzle >= 6.5.0 as conflict

Due to the INTL/ICU bug, which we have seen on various places, Guzzle, which does not cover our edge cases yet, ran in the same issue as our Core versions earlier in 2019.

See  
<https://github.com/guzzle/guzzle/issues/2448>  
<https://github.com/guzzle/guzzle/pull/2454>

For the time being, lets mark guzzle as incompatible until Guzzle has solved the issue and released a new version, so we can loosen the conflict constraint.

Related: #87953  
Resolves: #89904  
Releases: master, 9.5, 8.7  
Change-Id: If64fb9472d046f020c850cd0551beeaf78796b60  
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+62606>  
Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>  
Tested-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>  
Reviewed-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>

#### **Revision 4a8e8001 - 2019-12-13 12:00 - Benni Mack**

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Resolves: #89904  
Releases: master, 9.5, 8.7  
Change-Id: If64fb9472d046f020c850cd0551beeaf78796b60  
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+62612>  
Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>  
Tested-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>  
Reviewed-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>

#### **Revision bb11a3e0 - 2019-12-13 12:00 - Benni Mack**

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Related: #87953

Resolves: #89904

Releases: master, 9.5, 8.7

Change-Id: If64fb9472d046f020c850cd0551beeaf78796b60

Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+62613>

Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>

Tested-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>

Reviewed-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>

## History

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### #1 - 2019-03-19 16:17 - Benni Mack

Hey Markus,

thanks for the report. We've provided the symfony/polyfill-intl-idn package with it. Is it possible that you set up the project via composer and forgot to trigger a "composer update" after fetching it via composer? Can you check if a folder "vendor/symfony/polyfill-intl-idn" exists in your installation?

### #2 - 2019-03-19 16:17 - Benni Mack

- Status changed from New to Needs Feedback

### #3 - 2019-03-19 16:48 - Markus Pircher

The polyfill is installed, but is not active because the native intl version exists.

With a blank PHP this work:

```
idn_to_ascii('localhost', IDNA_DEFAULT, INTL_IDNA_VARIANT_2003);
```

but it's give me an message:

```
"PHP Deprecated: idn_to_ascii(): INTL_IDNA_VARIANT_2003 is deprecated"
```

If i define the INTL\_IDNA\_VARIANT\_UTS46 manually, with 1, idn\_to\_ascii() returns false.

Is probably an edge case with old OS and new PHP version.

### #4 - 2019-03-19 20:55 - Benni Mack

ha, my best guess is that the compiled intl version does not (yet) support the new variant - very strange.

Can you give me details on the installed intl version (from phpinfo())?

### #5 - 2019-03-20 09:07 - Markus Pircher

- File Bildschirmfoto 2019-03-20 um 08.59.59.png added

I found also this forum thread: <https://forums.cpanel.net/threads/installing-php-intl-extension.648061/>

### #6 - 2019-05-07 13:54 - Oliver Hader

- Related to Bug #87090: Site module > Umlauts in domains not working with the new url handling / routing added

### #7 - 2019-05-07 13:54 - Oliver Hader

- Related to Bug #87843: Unicode characters as entry point in site configurations added

### #8 - 2019-05-07 15:12 - Gerrit Code Review

- Status changed from Needs Feedback 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/c/Packages/TYPO3.CMS/+60710>

#### #9 - 2019-05-07 15:12 - Gerrit Code 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/c/Packages/TYPO3.CMS/+60710>

#### #10 - 2019-05-07 15:14 - 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/c/Packages/TYPO3.CMS/+60710>

#### #11 - 2019-05-07 15:16 - 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/c/Packages/TYPO3.CMS/+60710>

#### #12 - 2019-05-07 15:25 - Gerrit Code Review

Patch set 1 for branch **9.5** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+60711>

#### #13 - 2019-05-08 23:30 - Benni Mack

- Status changed from *Under Review* to *Resolved*

- % Done changed from 0 to 100

Applied in changeset [0feb1eec075af6ca897dc0f6343507c853aee5f3](https://review.typo3.org/c/Packages/TYPO3.CMS/+60711).

#### #14 - 2019-05-09 10:12 - Nikolas Hagelstein

##### Note:

Some Hosters e.g. Mittwald do run new PHP versions with old intl/icu.

E.g.:

PHP 7.2 + ICU 4.4.1

PHP 7.3 + ICU 4.4.1

This will make you end up running it a "intl\_idna\_variant\_2003 is deprecated" - Exception if you apply that patch.  
This is because idn\_to\_ascii is deprecated in PHP 7.2

To suppress the php deprecation notice change:

```
return idn_to_ascii($domain);  
to  
return @idn_to_ascii($domain);
```

Hope that helps

#### #15 - 2019-05-15 14:34 - Benni Mack

- Status changed from *Resolved* to *Closed*

#### #16 - 2019-05-16 15:38 - Martin Basgier

- Tags set to 9.5.7

Running TYPO3 9.5.7 on a Mittwald machine, this problem is not resolved it just throws another error now as already predicted here:

As already described in comment [#14](#) (thx) the error/ warning message just gets exchanged in the latest TYPO3 version and now warns:  
"intl\_idna\_variant\_2003 is deprecated"

This is because idn\_to\_ascii is deprecated in PHP 7.2

To suppress the php deprecation notice change in typo3/sysext/core/Classes/Utility/HttpUtility.php line 198:

```
return idn_to_ascii($domain);  
to  
return @idn_to_ascii($domain);
```

Nevertheless these instructions require manual patching of TYPO3 core files, which is not recommended to do to avoid problems with future updates.  
Therefore the question, can this please be fixed, either by Mittwald updating their ICU version or by a workaround being included in the next TYPO3 9.x update?

P.S.: I would consider this bug report as not closed, as it is only partially fixed. I hope you agree.

#### #17 - 2019-05-17 10:50 - Nikolas Hagelstein

Martin Basgier wrote:

Running TYPO3 9.5.7 on a Mittwald machine, this problem is not resolved it just throws another error now as already predicted here:

U can just suppress deprecated notices resulting in exceptions by setting:  
\$GLOBALS['TYPO3\_CONF\_VARS']['SYS']['exceptionalErrors'] = 8191;  
(deprecation is 8192)

Regarding Mittwald:

I v a ticket open and guys r working at that problem.

#### #18 - 2019-05-20 09:36 - Martin Basgier

Nikolas Hagelstein wrote:

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Thanks for the additional information. I would be very interested once you hear back from Mittwald, what is their planned course of action. They position themself (beneath others) as TYPO3 Host and now they are trying to patch their way around outdated libraries.... Looking forward for any update on this. TY :)

#### #19 - 2019-05-20 15:41 - Attila Glück

I can confirm this issue by Mittwald

#### #20 - 2019-05-24 10:29 - Webtech AG

I also can firm this issue by Mittwald. By default for TYPO3 V9.5 there is PHP V7.2 and ICU V4.4.1 installed.

#### #21 - 2019-06-19 09:02 - Marc Willmann

I second that. Also Mttwald, TYPO3 9.5.7, but PHP 7.3.2

#### #22 - 2020-04-03 14:31 - Markus Klein

- Related to Task #90634: Allow latest guzzle versions added

#### #23 - 2020-07-29 14:02 - Josef Glatz

### Just for the records for other Mittwald customers

We have an "older" Agentur Server package (managed v-server) where we have multiple p-Accounts at Mittwald.

As of today I only get an actual ICU Lib version IF I DON't use PHP-FPM with APCu. I have to switch "back" to FastCGI PHP implementation to get an actual ICU lib version. A precise point in time cannot be communicated when these are also available in such a Mittwald package.

#### #24 - 2020-08-05 12:45 - Jan Delius

Josef Glatz wrote:

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As of today I only get an actual ICU Lib version IF I DON't use PHP-FPM with APCu. I have to switch "back" to FastCGI PHP implementation to get an actual ICU lib version. A precise point in time cannot be communicated when these are also available in such a Mittwald package.

I can confirm that this setting works as a workaround, even if it is not the best solution.

**Files**

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26.5 KB

2019-03-20

Markus Pircher