

TYPO3 Core - Epic #97210

Core types added

2022-03-18 14:57 - Larry Garfield

Status: Accepted	Start date: 2022-04-13
Priority: Should have	Due date:
Assignee:	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 12 LTS	
Sprint Focus:	
Description	
We can now add parameter, return, and property types in many places safely.	
Subtasks:	
Task # 97372: Update changelog file with typed classes	Resolved
Task # 97880: Add natives types for GeneralUtility	Resolved
Related issues:	
Related to TYPO3 Core - Task #97202: PHP 8.1 types for ArrayUtility	Resolved 2022-03-17
Related to TYPO3 Core - Task #97203: PHP 8.1 types for MathUtility	Resolved 2022-03-17
Related to TYPO3 Core - Task #97205: PHP 8.1 types for ClassNamingUtility	Resolved 2022-03-17
Related to TYPO3 Core - Bug #97206: PHP 8.1 types for CommandUtility	Resolved 2022-03-17
Related to TYPO3 Core - Task #97207: PHP 8.1 types for CsvUtility	Resolved 2022-03-17
Related to TYPO3 Core - Task #97208: PHP 8.1 types for DebugUtility	Resolved 2022-03-17
Related to TYPO3 Core - Task #97373: Native types for DiffUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97374: Native types for ExtensionManagementUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97375: Define native types for HttpUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97377: Native types for MailUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97378: Native types for PathUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97379: Native types for PermutationUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97380: Native types for ResourceUtility	Rejected 2022-04-13
Related to TYPO3 Core - Task #97381: Native types for RootlineUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97382: Native types for StringUtility	Resolved 2022-04-13
Related to TYPO3 Core - Task #97383: Native types for VersionNumberUtility	Resolved 2022-04-13

Associated revisions

Revision ed1fd3a8 - 2022-04-04 14:57 - Larry Garfield

[!!!][TASK] Add modern typing to ClassNamingUtility

Simple type additions. Nothing exciting.

Resolves: #97205

Related: #97210

Releases: main

Change-Id: lc38274300b22f3ce9168e98c13239934c624069a

Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+73987>

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Tested-by: Georg Ringer <georg.ringer@gmail.com>

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Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>

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Reviewed-by: Simon Gilli <typo3@gilbertsoft.org>

Reviewed-by: Stefan Bürk <stefan@buerk.tech>

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Revision 3a8544b3 - 2022-04-08 18:59 - Larry Garfield

[!!!][TASK] Add native typing to CommandUtility

Nothing particularly exciting, but does remove another PHPStan baseline message.

A few bits of unnecessary code have been removed or cleaned up.

Additionally, a few locations in code were calling CommandUtility::exec() incorrectly in a way that has always been incorrect. These are fixed now.

Resolves: #97206
Related: #97210
Releases: main
Change-Id: Ia590af575c432833097859a22f6674c4917e59a1
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+73988>
Tested-by: Stefan Bürk <stefan@buerk.tech>
Tested-by: core-ci <typo3@b13.com>
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Tested-by: Georg Ringer <georg.ringer@gmail.com>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Georg Ringer <georg.ringer@gmail.com>

Revision 16b551ba - 2022-04-16 19:48 - Larry Garfield

[TASK] Add native types to HttpUtility

Add return type declarations and explicitly define public visibility for class constants.

Resolves: #97375
Related: #97210
Releases: main
Change-Id: I7203fb6649c253ca27ac35c175d5fdd67e4e0404
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74289>
Tested-by: Benjamin Franzke <bfr@qbus.de>
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Tested-by: Stefan Bürk <stefan@buerk.tech>
Tested-by: Benni Mack <benni@typo3.org>
Reviewed-by: Benjamin Franzke <bfr@qbus.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Benni Mack <benni@typo3.org>

Revision 988090d6 - 2022-04-18 11:21 - Larry Garfield

[!!!][TASK] Add native types to DiffUtility

'BackendUtility::getProcessedValue()' currently implicitly returns mixed, whereas makeDiffDisplay() requires a string. Using force-casting in '\TYPO3\CMS\Impexp\ImportExport' for the value before passing it is the most straightforward fix for now.

Resolves: #97373
Related: #97210
Related: #97372
Releases: main
Change-Id: I89cd60ed227cf285040c118b741951734e0fa8a7
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74287>
Tested-by: Stefan Bürk <stefan@buerk.tech>
Tested-by: core-ci <typo3@b13.com>
Tested-by: Benni Mack <benni@typo3.org>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Benni Mack <benni@typo3.org>

Revision d510c3c0 - 2022-04-19 10:01 - Larry Garfield

[TASK] Add native types for PermutationUtility

This is more docblocks than function signatures,

but we're being thorough.

Resolves: #97379
Related: #97210
Related: #97372
Releases: main
Change-Id: I56439d1a6a77bc2ad3085c2ed23d3883f0391e3a
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74313>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: crell <larry@garfieldtech.com>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Benni Mack <benni@typo3.org>
Tested-by: core-ci <typo3@b13.com>
Tested-by: Stefan Bürk <stefan@buerk.tech>
Tested-by: Benni Mack <benni@typo3.org>

Revision 91462d7b - 2022-04-21 12:31 - Larry Garfield

[!!!][TASK] Add native types to RootlineUtility

Resolves: #97381
Related: #97210
Related: #97372
Releases: main
Change-Id: I23218d6c42ed89b466a35eb9fc4c8870534893ea
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74315>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
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Reviewed-by: Georg Ringer <georg.ringer@gmail.com>
Tested-by: core-ci <typo3@b13.com>
Tested-by: Simon Schaufelberger <simonschaufi+typo3@gmail.com>
Tested-by: Georg Ringer <georg.ringer@gmail.com>

Revision c2fe6511 - 2022-04-22 11:48 - Larry Garfield

[!!!][TASK] Add native types to PathUtility

I also changed the default value for pathinfo()'s \$options argument to match that of PHP's pathinfo(), as that eliminated a null and simplified the code.

Resolves: #97378
Related: #97210
Related: #97372
Releases: main
Change-Id: I4c608c5771a122f32952a67cecca7ef1f5229c48
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74312>
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Tested-by: Georg Ringer <georg.ringer@gmail.com>
Reviewed-by: Jörg Bösche <typo3@joergboesche.de>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
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Reviewed-by: Georg Ringer <georg.ringer@gmail.com>

Revision 7ec2cb5f - 2022-05-06 11:36 - Larry Garfield

[!!!][TASK] Add native typing for DebugUtility

Adds type declarations to DebugUtility.

Fixes some calls to these methods to avoid spurious nulls.

Improves documentation in renderDump() to explain why certain parameters are nullable.

Resolves: #97208
Related: #97210
Related: #97372
Releases: main
Change-Id: Iecad6ef3e7432cf1f4123a4cdb1da15f14d04394
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+73991>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
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Tested-by: Nikita Hovratov <nikita.h@live.de>
Tested-by: core-ci <typo3@b13.com>
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Revision eee89b81 - 2022-05-06 12:13 - Larry Garfield

[!!!][TASK] Add native types to VersionNumberUtility

Also, a little cleanup in DefaultFunctionsProvider.
The method getCompatVersionFunction() was calling convertVersionNumberToInteger() with an inconsistent type as a result of TypoScript parsing. We therefore need to force-cast it to a string, which is what convertVersionNumberToInteger() wants.

Resolves: #97383
Related: #97210
Related: #97372
Releases: main
Change-Id: Id47e42fd70d8ec89f6255616a26e6666c461efe7
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74317>
Tested-by: Nikita Hovratov <nikita.h@live.de>
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Tested-by: Stefan Bürk <stefan@buerk.tech>
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Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>

Revision cac6bc6b - 2022-05-06 13:00 - Larry Garfield

[!!!][TASK] Add native types to StringUtility

Also, clean up related tests' doc blocks.

Resolves: #97382
Related: #97210
Related: #97372
Releases: main
Change-Id: I5f9a99f35bf2e1afbbdeec1cc1de98157e581ea
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74316>
Tested-by: Nikita Hovratov <nikita.h@live.de>
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Tested-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>

Revision 8d2e34ba - 2022-05-06 13:13 - Larry Garfield

[!!!][TASK] Add native types to CsvUtility

Also, first class callable syntax is added for the csvValues method.

Resolves: #97207
Related: #97210
Related: #97372
Releases: main
Change-Id: Ib37a497c8df38fa9ef2f071c10439de4d269b25c
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74286>
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Tested-by: Stefan Bürk <stefan@buerk.tech>
Reviewed-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Stefan Bürk <stefan@buerk.tech>

Revision f846c5e4 - 2022-05-07 11:17 - Larry Garfield

[!!!][TASK] Add native types to ExtensionManagementUtility

Also gets rid of some phpstan exceptions.

Resolves: #97374
Related: #97372

Related: #97210
Releases: main
Change-Id: I71083a58013f0747a9969fb15d4462bee0c595d5
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74288>
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Tested-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
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Reviewed-by: Stefan Bürk <stefan@buerk.tech>
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Revision 7b4d1cd5 - 2022-05-07 18:08 - Larry Garfield

[!!!][TASK] Add native types to MailUtility

And remove phpstan exceptions along the way.

Resolves: #97377
Related: #97210
Related: #97372
Releases: main
Change-Id: I7769527eaf8e39150928402037e68b95c2be9cc1
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+74290>
Tested-by: core-ci <typo3@b13.com>
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Tested-by: Nikita Hovratov <nikita.h@live.de>
Reviewed-by: Oliver Klee <typo3-coding@oliverklee.de>
Reviewed-by: Nikita Hovratov <nikita.h@live.de>

History

#1 - 2022-03-18 14:58 - Larry Garfield

- Related to Task #97202: PHP 8.1 types for ArrayUtility added

#2 - 2022-03-18 14:58 - Larry Garfield

- Related to Task #97203: PHP 8.1 types for MathUtility added

#3 - 2022-03-18 14:58 - Larry Garfield

- Related to Task #97205: PHP 8.1 types for ClassNamingUtility added

#4 - 2022-03-18 14:58 - Larry Garfield

- Related to Bug #97206: PHP 8.1 types for CommandUtility added

#5 - 2022-03-18 14:58 - Larry Garfield

- Related to Task #97207: PHP 8.1 types for CsvUtility added

#6 - 2022-03-18 14:59 - Larry Garfield

- Related to Task #97208: PHP 8.1 types for DebugUtility added

#7 - 2022-03-21 12:12 - Georg Ringer

- Status changed from New to Accepted

#8 - 2022-04-13 16:03 - Larry Garfield

- Related to Task #97373: Native types for DiffUtility added

#9 - 2022-04-13 16:20 - Larry Garfield

- Related to Task #97374: Native types for ExtensionManagementUtility added

#10 - 2022-04-13 16:33 - Larry Garfield

- Related to Task #97375: Define native types for HttpUtility added

#11 - 2022-04-13 16:44 - Larry Garfield

- Related to Task #97377: Native types for MailUtility added

#12 - 2022-04-13 17:17 - Larry Garfield

- Related to Task #97378: Native types for PathUtility added

#13 - 2022-04-13 17:35 - Larry Garfield

- Related to Task #97379: Native types for PermutationUtility added

#14 - 2022-04-13 17:41 - Larry Garfield

- Related to Task #97380: Native types for ResourceUtility added

#15 - 2022-04-13 19:27 - Larry Garfield

- Related to Task #97381: Native types for RootlineUtility added

#16 - 2022-04-13 19:53 - Larry Garfield

- Related to Task #97382: Native types for StringUtility added

#17 - 2022-04-13 20:01 - Larry Garfield

- Related to Task #97383: Native types for VersionNumberUtility added