

Comments

Comment by [Anand Phadnis](#) [05/1/24]

Verify PHP version already updated to PHP 8.1

Verify Drupal core should be at least 9.4.x

Install modules

https://www.drupal.org/project/upgrade_status

<https://github.com/palantirnet/drupal-rector>

<https://github.com/mglaman/drupal-check>

<https://www.drupal.org/project/coder>

<https://github.com/mglaman/phpstan-drupal>

As per recommendation by Upgrade Status module-

Update all contributed modules to latest version possible. Patches applied to module and core should work properly. If not applied then check functionality of site

Update composer related dependencies

Before update to Drupal 10 make sure that Drupal core is on 9.4 or 9.5

Run report on custom modules to find out deprecated code

Upgrade site to Drupal 10 and update database

use rector to automatically fix some of them.

Fix remaining code in custom modules and themes manually.

Test the end to end functionality of site

Related links

<https://blogs.perficient.com/2023/01/17/drupal-fix-coding-issues-using-phpstan/>

<https://drupal.stackexchange.com/questions/313915/phpstan-error-installing-upgrade-status-module>

<https://www.drupal.org/docs/upgrading-drupal/upgrading-from-drupal-8-or-later/how-to-upgrade-from-drupal-9-to-drupal-10>

<https://www.drupal.org/docs/upgrading-drupal/prepare-major-upgrade/deprecation-checking-and-correction-tools-to-prepare-for-a-new-drupal-major-version>

<https://drupal.stackexchange.com/questions/284474/how-can-i-have-a-custom-module-checked-for-deprecated-functions>

<https://www.axelerant.com/blog/drupal-10-features>

<https://opensource.com/article/23/4/drupal-9-10-migration>

<https://www.drupal.org/docs/core-modules-and-themes/deprecated-and-obsolete>

<https://www.drupal.org/about/core/policies/core-change-policies/module-or-theme-removal-process>

entity_reference module was moved to a core field type, leaving the module empty and safe to uninstall

<https://drupalize.me/tutorial/upgrade-drupal-10>

From a technical perspective Drupal 10.0.0 is Drupal 9.5.0 with all of the deprecated code removed.

Drupal 10 is backward-compatible with Drupal 9.5.x it shouldn't affect your existing site.

<https://designkojo.com/upgrading-drupal-9-drupal-10>

https://blogs.jamesrome.net/drupal10_upgrade

<https://www.gizra.com/content/upgrading-drupal9-to-drupal10/>

<https://drupal.gatech.edu/book/export/html/802>

<https://www.adcisolutions.com/knowledge/drupal-9-to-10-upgrade>

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Below are the prerequisite for Drupal 10 upgrade which need to be done with help of AMS team and cloud engineers.

Drupal 9 latest version (9.4 or 9.5) update with php8.1

blocker

AWS team need to prepare infrastructure requirements (PHP 8.1)
--

blocker

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<https://phpstan.org/user-guide/output-format>

<https://blogs.perficient.com/2023/01/17/drupal-fix-coding-issues-using-phpstan/>

<https://drupal.stackexchange.com/questions/313915/phpstan-error-installing-upgrade-status-module>

Phpstan report attached for custom modules deprecated code.

composer require --dev palantirnet/drupal-rector --with-all-dependencies

composer require --dev phpstan/phpstan phpstan/extension-installer mglaman/phpstan-drupal phpstan/phpstan-deprecation-rules

<https://www.axelerant.com/blog/drupal-10-features>

<https://opensource.com/article/23/4/drupal-9-10-migration>

<https://www.drupal.org/docs/core-modules-and-themes/deprecated-and-obsolete>

<https://www.drupal.org/about/core/policies/core-change-policies/module-or-theme-removal-process>

entity_reference module was moved to a core field type, leaving the module empty and safe to uninstall

<https://drupalize.me/tutorial/upgrade-drupal-10>

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<https://designkojo.com/upgrading-drupal-9-drupal-10>

https://blogs.jamesrome.net/drupal10_upgrade
<https://www.gizra.com/content/upgrading-drupal9-to-drupal10/>
<https://drupal.gatech.edu/book/export/html/802>
<https://www.adcisolutions.com/knowledge/drupal-9-to-10-upgrade>

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```
C:\xampp\htdocs\www\eshop>php ./vendor/bin/phpstan --error-format=table --no-progress --ansi > phpstan_analysis.html
```

Note: Using configuration file C:\xampp\htdocs\www\eshop\phpstan.neon.

steps-

Update to Drupal 9.4.4 or later

Update to CKEditor 5

<https://drupalize.me/tutorial/upgrade-drupal-10>

Uninstall CKEditor (deprecated) module

<https://www.drupal.org/docs/core-modules-and-themes/deprecated-and-obsolete>

<https://www.drupal.org/about/core/policies/core-change-policies/module-or-theme-removal-process>

entity_reference module was moved to a core field type, leaving the module empty and safe to uninstall

<https://www.drupal.org/project/bootstrap4> update core themes

<https://www.drupal.org/project/seven> install contrib themes (Some Drupal 10 sites may still require or prefer Seven, so it's available here as a contrib theme.)

Update all your contributed projects

Use Upgrade Status module to find deprecated code and report

Update your custom code

Verify your hosting meets the new requirements.

Upgrade Drupal core

Run composer update

Deploy your code and put site in maintenance mode

Check for and run database updates

Take your site out of maintenance mode

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CKEditor 5 support is added in drupal core. No extra module need to install.

Note, in CKEditor 5 spelling, grammar, and punctuation checking is a premium (paid) feature. used in basic html and full html text format.

Due to the long-term strong relations between CKEditor and Drupal, **the support for CKEditor 4 in Drupal is going to be provided by the end of 2023 by CKSource**. We recommend however migrating to CKEditor 5 in the nearest future, to avoid last-minute upgrades at the end of the year.

<https://dev.acquia.com/tutorial/upgrading-ckeditor-5>

<https://www.drupal.org/project/ckeditor>

<https://www.drupal.org/docs/core-modules-and-themes/core-modules/ckeditor-5-module/ckeditor-5-development>

Contrib module used-

https://www.drupal.org/project/ckeditor_scayt

Update to CKEditor 5

Core Modules (Included with core upgrade)

Fix deprecated code in custom modules

Contributed Modules update and apply patch
--

frontend bootstrap 4 theme updates

Backend Seven Contributed Theme updates

Third party integration code end to end eshop

UAT & Prod Support:

<https://www.drupal.org/docs/understanding-drupal/drupal-9-release-date-and-what-it-means/how-long-will-drupal-9-be-supported>

Drupal 9 support will end on 1 November 2023

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imp [drupal.org](https://dev.acquia.com/drupal10/deprecation_status/projects) link - https://dev.acquia.com/drupal10/deprecation_status/projects

imp link <https://mglaman.dev/blog/phpstan-drupal-drupal-check-drupal-rector-upgradestatus-oh-my>

Rector install -<https://www.palantir.net/blog/jumpstart-your-drupal-9-upgrade-drupal-rector>

vendor\bin\rector process modules\custom\bpost_sales_order

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important site

<https://php.watch/versions/8.0/deprecate-required-param-after-optional>

<https://php.watch/versions/8.1>

<https://www.drupal.org/node/2924272>

Automatic fix code issues-

<https://packagist.org/packages/palantirnet/drupal-rector>

<https://packagist.org/packages/phpstan/phpdoc-parser>

<https://getrector.com/documentation>

<https://github.com/rectorphp/rector>

<https://www.drupal.org/docs/upgrading-drupal/prepare-major-upgrade/deprecation-checking-and-correction-tools-to-prepare-for-a-new-drupal-major-version>

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Drupal rector module to fix automatic deprecated code-

composer require palantirnet/drupal-rector

vendor/bin/rector process modules\custom\bpost_sales_order --dry-run

vendor/bin\rector process modules\custom\bpost_sales_order

vendor\bin\drush cr

https://www.drupal.org/project/upgrade_status

<https://www.drupal.org/project/rector>

<https://getrector.com/documentation>

<https://www.drupal.org/docs/upgrading-drupal/prepare-major-upgrade/deprecation-checking-and-correction-tools-to-prepare-for-a-new-drupal-major-version>

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phpstan php errors check-

<https://www.drupal.org/docs/develop/development-tools/phpstan/getting-started>

<https://github.com/mglaman/phpstan-drupal>

<https://www.atatus.com/blog/tools-to-check-php8-compatibility/>

<https://www.atatus.com/blog/tools-to-check-php8-compatibility/>

<https://phpstan.org/config-reference#phpversion>

composer require phpstan/phpstan phpstan/extension-installer mglaman/phpstan-drupal

phpstan/phpstan-deprecation-rules

php ./vendor/bin/phpstan --error-format=raw --no-progress --ansi >

phpstan_custom_modules_raw.html

<https://phpstan.org/blog/>

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phpcs check php 8.1 issues-

vendor\bin\phpcs -p modules\custom --standard=PHPCCompatibility --

standard=PHPCCompatibility --extensions=php,module,inc,install,test,profile,theme --runtime-set

testVersion 8.1 > phpcs_modules.html

vendor\bin\phpcs -p themes --standard=PHPCCompatibility --standard=PHPCCompatibility --

extensions=php,module,inc,install,test,profile,theme --runtime-set testVersion 8.1 >

phpcs_themes.html

<https://mikemadison.net/blog/2022/8/23/testing-php-81-updates>

composer update php --with-all-dependencies

<https://php101.net/tutorial/change-xampp-php-version-on-windows/>

run two php version on windows local and check php deprecated error

<https://www.devopsschool.com/blog/how-to-downgrade-php-from-8-0-0-to-7-1-32-in-xampp-8-0-0/>

<https://php101.net/tutorial/change-xampp-php-version-on-windows/>

<https://metadrop.net/en/articles/updating-drupal-php-8>

https://www.youtube.com/watch?v=6erRbReI8_4

<https://www.drupal.org/node/2924272>

<https://www.specbee.com/blogs/drupal9-and-its-compatibility-with-php-8-learn-whats-new>

<https://www.drupal.org/project/flysystem/issues/3296243>

<https://drupalsun.com/gilzow/2022/12/21/how-migrate-your-code-php-74-81>

important site

<https://php.watch/versions/8.0/deprecate-required-param-after-optional>

<https://php.watch/versions/8.1>