Help with Drupal 9 readiness of projects

Contribution Quickstart Guide

v 1.6, Contact @gaborhojtsy with questions/suggestions

2. Pick a project

A. Your own custom local Drupal 8 module or theme

B. Your own drupal.org project
- Open at least one issue for the work if not already
- Make sure to specify your Drupal 9 plan on the project page

C. drupal.org project you care about
- Make sure you have the latest codebase of the project to work with
- Check the Drupal 9 plan on the project's page first to see what is already being worked on
- Review the ongoing issues already present, as they may already cover what you would submit

D. Pick a project based on your skills
- Use dev.acquia.com/drupal9 to find projects with compatibility issues to fix, you can browse projects by errors, eg. fix drupal_set_message() in small projects
- Reference steps under C above going forward

1. Learn about Drupal 9

A. Most of Drupal 9 was built inside Drupal 8 with deprecated APIs. The Drupal 9 branch is now open and has half of the deprecated APIs removed as of January 10, 2020. Therefore most steps can be done on existing Drupal 8 code and most code can be compatible with Drupal 8 and 9 at the same time.

B. Check out the open source State of Drupal 9 slideshow for a deep-dive.

3. Use these tools

A. Install and use drupal-check (command line) or Upgrade Status (Drupal module) locally on a Drupal 8 codebase. The found compatibility errors will point to the code changes required. You may also use simplytest.me to install Upgrade Status and your drupal.org project, but you will need to continually reinstall to test results of patches.

B. Install drupal8-rector (command line) or Upgrade Rector (Drupal module) on a Drupal 8 codebase to run automated fixes on the codebase.

C. Run tests of the project on the development version of Drupal 9 checked out of git. For drupal.org projects add a suppress-deprecation: false clause to fail on deprecated API use.

D. Manually testing on the development version of Drupal 9 also helps find problems, especially if you don't have complete test coverage.

Even if already fully Drupal 9 compatible, in most cases the updated codebase should still also run fine on Drupal 8. If you are working on a drupal.org project, make sure to post your suggested fixes in the relevant issue and work with the maintainer to get them committed.