The Future

Continuous Integration (CI) systems have made the continuous development methodology of software releases much more feasible, and have provided the methodology with a greater ease of use, as compared to the software releases performed before the rise of CI systems.

Like how it is with every new technology and idea, CI systems also have ways for improvement in terms of its future use aspects and when it comes to improving its performance.

Some of these steps are mentioned below : -

As of right now, all current CI systems provide their own unique build configuration languages. This means that each CI system has its own unique method for specification of build and running of test commands. This makes it much harder for a user to jump between different CI systems, or use multiple systems simultaneously. To address this problem, a DSL can be introduced that standardizes every different commonly used CI system, by creating and setting universal standards for CI systems, thus making them more accessible and make it easier for a user to jump between different systems without having the need to learn different formatting methods or different types of sets of commands.

Standard set of rules and commands will help simplify the CI landscape and make it more feasible for employing multiple CI, make the information in build and test reports easier to read and learn, and make the results easier to compare.

Future of CI systems will most likely increase the ease of use it provides for user interfaces, and increase the accessibility of CI systems for users. By increasing the available range of commands and information collection that CI systems currently

provide, it might become exceptionally helpful for specialty applications and test cases of applications.