Software Maintenance and Regression Testing

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Abstract

Abstract: summary of the key points on software maintenance and regression testing

*Keywords:*

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Software changes continuously. Even after it is released, updates must be made to the system for it to adapt to the changing environment. Patches are then made available online for download. These patches could be because of new requirements, technology changes, new bugs were discovered, or new features being added after release. For example, after each mainline Linux kernel is released, the bug fixes are backported from a newer version and applied to the older version. Stable kernel updates are released on a required basis, which is usually once a week and new mainline kernels are released every 2-3 months! (CITE PLEASE: https://www.kernel.org/category/releases.html)Thus, making software maintenance and regression testing a crucial part of software testing and the software development life cycle.

The main purpose of software maintenance is to modify and update software applications after it has been delivered to correct any faults and improve the performance. (CITE PLEASE: <https://economictimes.indiatimes.com/definition/software-maintenance>) A common misconception about software maintenance is that it only involves fixing defects.