

## True Single SKU Script: Applying the Automated Test to Set Software Properties in a Global Software Development Environment

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**Abstract :** As the globalization of the software process advances, companies are increasingly committed to improving software development technologies across multiple locations. On the other hand, working with teams distributed in different locations also raises new challenges. In this sense, automated processes can help to improve the quality of process execution. Therefore, this work presents the development of a tool called TSS Script that automates the sample preparation process for carrier requirements validation tests. The objective of the work is to obtain significant gains in execution time and reducing errors in scenario preparation. To estimate the gains over time, the executions performed in an automated and manual way were timed. In addition, a questionnaire-based survey was developed to discover new requirements and improvements to include in this automated support. The results show an average gain of 46.67% of the total hours worked, referring to sample preparation. The use of the tool avoids human errors, and for this reason, it adds greater quality and speed to the process. Another relevant factor is the fact that the tester can perform other activities in parallel with sample preparation.

**Keywords :** Android, GSD, automated testing tool, mobile products

**Conference Title :** ICST 2021 : International Conference on Software Testing

**Conference Location :** Amsterdam, Netherlands

**Conference Dates :** November 04-05, 2021