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(57) Abstract :

The present disclosure relates to a system (100) for securing an entire process of software supply chain. This chain involves writing of source code for a software and installing updates (114) and builds (114) on a regular basis and delivering the final product to the user (104). This entire software supply chain is susceptible to malicious code (110) from an attacker who wishes to steal or corrupt the data in any way. The system (100) enforces regulations and timely code reviews to ensure that there is no external manipulation of the source code. It also aims to fix human errors that may disrupt the software supply chain process. Therefore, the main aim of the system (100) is to deliver and maintain a safe software to the user (104) which can be used conveniently. The system (100) also uses several methods for ensuring compliance with several ethical coding practices and to maintain the integrity of the entire source code.

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