

Enhancing Security in the Software Development Lifecycle (SDLC)

Eweoya Ibukun, Sanjay Misra

Covenant University, Ota, Nigeria.

{ibukun.eweoya, sanjay.misra}@covenantuniversity.edu.ng

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Abstract

The Software Development Life Cycle (SDLC) cares for all steps to have a sound implementation of projects. So many projects are tested to be delivering but with the test of time, security challenges arise. In cases where projects have executed required tasks for decades, software evolution expands the scope and security requirements increase beyond what the developer initially cared for.

This work explores the critical security incorporations that ensure a better security of software so that at any level of evolution, security challenges do not arise. There is always focus on security of design but this work is on information security in the software development life cycle to avoid tampering, endeavour integrity and authentication of information.