

INTEGRATING SECURITY INTO SYSTEM DEVELOPMENT LIFE CYCLE OF INFORMATION SYSTEM – A FRAMEWORK

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Abstract

SDLC is the process of developing, implementing, and retiring information systems through a multi-step process consists of a series of defined steps. Irrespective of the type of the life-cycle used by an organization, information security needs to be integrated into the SDLC to ensure proper protection for the information. Security is most effective when such integration begins at the system initiation phase, and is continued throughout the SDLC. Each phase of the SDLC includes a minimum set of information security-related activities required to effectively incorporate security into a system.