A Comprehensive Approach for Embodiment of Security Activities with Agile Methodologies

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Abstract

Agility among the software is seeking importance during the development phase, as it promotes adaptive planning, incremental and evolutionary development with many other features that are lightweight in nature. Security is one of the major issues in today's highly agile software development industry. More emphasize is on to produce a secure software, so as to minimize the amount of risk and damage caused by the software. Developing secure software with high agile characteristics is always a hard task to do because of heavy weight nature of security activities. This paper proposes a novel approach by which security activities can be integrated with agile activities by calculating the mean agility value of both activities i.e., agile as well as security keeping in mind the factors such as cost, time, recurrence, benefits affecting the agility of the activity. By using fuzzy value compatibility table (FVCT), extend of compatibility of embodiment of both the activities is done with fuzzy values.

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