Information Security Dilemma: Employees' Behaviour on Three-Dimensions to Failure

Authors : Dyana Zainudin, Atta Ur-Rahman, Thaier Hamed

Abstract : This paper explains about human nature concept as to understand the significance of information security in employees' mentality including leaders in an organisation. By studying on a theory concept of the latest Von Solms fourth waves, information security governance basically refers to the concept of a set of methods, techniques and tools that responsible for protecting resources of a computer system to ensure service availability, confidentiality and integrity of information. However, today's information security dilemma relates to the acceptance of employees mentality. The major causes are a lack of communication and commitment. These types of management in an organisation are labelled as immoral/amoral management which effects on information security compliance. A recovery action is taken based on 'learn a lesson from incident events' rather than prevention. Therefore, the paper critically analysed the Von Solms fourth waves' theory with current human events and its correlation by studying secondary data and also from qualitative analysis among employees in public sectors. 'Three-dimensions to failure' of information security dilemma are explained as deny, don't know and don't care. These three-dimensions are the most common vulnerable behaviour owned by employees. Therefore, by avoiding the three-dimensions to failure may improve the vulnerable behaviour of employees which is often related to immoral/amoral management.