Abstract

Information Security Risk Analysis

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The new information technologies facilitate the transformation of traditional administrative processes to services that can be performed online. Information security has become a vital entity to most organizations today due to current trends in information transfer through a borderless and vulnerable world. The concern and interest in information security is mainly due to the fact that information security risk analysis (ISRA) is a vital method to not only to identify and prioritize information assets but also to identify and monitor the specific threats that an organization induces; especially the chances of these threats occurring and their impact on the respective businesses. However, organizations wanting to conduct risk analysis process may face problems in developing and implementing effective methods that would augur well in meeting their needs. This is due to the existence of numerous types of system and data representation system used by various organizations. In addition no standard reference benchmarking as in the comparative framework for evaluating these ISRA methods to access the information security risk. Common practice, organizations will choose the most appropriate ISRA method by carrying out a comparative study between the available methodologies before a suitable method is selected to conduct the risk assessment. Limited study shows effect on type of data representation in analyzing risk for information security. In this session, step by step in analysing information security risks for various meta data representation in complex system which will be describe and demostrate further. At the end of the session, the info-structure for ISRA aims to assist organizations in generating appropriate and informative information for analyzing risk will be presented