PLENARY

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A Model for Enterprise Information System Security

Organizations around the world utilize information technology ecosystem to manage and operate their business. Typically, such a system is known as an Enterprise Information System (EIS) which links the various entities of the business for efficient management on a global basis. During the past few decades, business systems have been breached by internal and external actors. To combat this threat, organizations have started to pay more attention on the development and implementation of the security component module associated with their EIS. Furthermore, this EIS Security structure needs to be monitored through the corporate governance of the firm. This presentation will focus on a model which was developed through a comprehensive literature review. We identified four key pillars of a model for EIS Security. These pillars are Security Policy, Security Awareness, Access Control, and Top Level Management Support. We explore the relevance of this model using a case study approach by way of interviewing top-level information systems managers in the banking sector as well as other sectors. We validate the model through using key informant in-depth interviews and qualitative research methods.

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