Insider Threats and The Security of Organizational Data: A Qualitative Analysis Using In-Vivo Algorithm

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ABSTRACT

The concern of organizational management is now towards protecting their data and information against the insider threat. Who uses the opportunities as employees to undertake malicious acts on organization information assets for one reason or the other? This paper looked into the definition of insider threat, responsibility misuse, insider threat phases, insider threat levels and ways to mitigate insider threat by organizational management. The paper use qualitative approach base on Nvivo software to find the relationship between the four variables insider intention, insider level of training and security awareness, insider level of technical expertise and insider role. The findings reveals the following:

- There is relationships between the insider intention, insider's level of technical expertise, level of training and awareness, user role with insider's behavior.
- The insider threat activities affects the organization because
- Malicious activities will be carried out and at the end it will affect the organizations data integrity.
- Organizations are put at high risk due to low level of training and awareness.

Keywords: Insider Threats, Security, Organizational Data, Qualitative Analysis, In-Vivo Algorithm .