Addressing Insider Threats in modern ERP Environments: Business Intelligence in the Cloud

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Addressing Insider Threats in modern ERP Environments: Business Intelligence in the Cloud

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ABSTRACT
Insider threats pose a serious risk to businesses yet risks posed by outsiders continue to remain in the spotlight. A study of insider threats is perhaps more difficult as researchers must address the socio-technical nature of the organization which requires a focus on interactions between individuals as well as between individuals and the organization’s information systems. For the purpose of this study the interpretive paradigm (Dhillon & Backhouse, 2001) was used to understand organizational interactions that reveal an insider threat. Business Intelligence tools embedded within a modern cloud computing platform were used to examine interactions between employees and the ERP system and revealed that illicit transactions can be found. Furthermore, tuning the diagnostic capabilities of the data analytics system to unique characteristics of each employee or employee profile increases the ability to find illicit transactions in real time.