



## Framework of Database Auditing: Steps to Ensure Security and Reliability

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### Abstract:

In this paper, we present a framework of database auditing by ensuring the security and reliability of database activities through analyzing network traffic, execute audit analysis through event correlation and generate alarms if an anomaly or a violation of security regulations is detected. This area encompasses a huge range of application problems ranging from who can gain access, when access was achieved and what operation was performed. Despite these trends in technology, there is an increasing number of database hacking occurrences and sensitive data loss. Database auditing can help strengthen the security of database. It is therefore imperative to say that security is enhanced and complimented with the use of auditing. There is no security without auditing, therefore security and auditing should be implemented in an integrated fashion.

**KEYWORDS:** Database Auditing, Security, Reliability, Network traffic



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### Publication of speakers:

1. Bernard, Igoche - USING ONTOLOGIES FOR KNOWLEDGE MANAGEMENT: ASSESSING TECHNOLOGY APPLICATIONS WITHIN AN ORGANISATION - published at: "International Journal of Scientific and Research Publications (IJSRP), Volume 4, Issue 1, January 2014 Edition"

[International Conference on Cloud Computing and Virtualization | May 21, 2020 | London, UK](#)

**Citation:** Bernard I . Igoche; Framework of Database Auditing: Steps to Ensure Security and Reliability; Cloud Computing 2020; May 21, 2020; London, UK