

ABSTRACT

Auditing in a Payment System

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This thesis focuses on Database Auditing of a Payment System that contains private and critical data for a large company. It covers all the steps required to develop an auditing solution, namely: requirements, design, implementation, reporting and storage of audit information.

Performance in a Payment System is important so the thesis also looks at the impact on performance in introducing auditing to the system.

The justification of the auditing solution is warranted by the sensitivity of the data in the Payment System and the need to ensure that integrity is always maintained.

The various types and methods of auditing are examined and compared. Audit trail records are defined and described.

Keywords: Database Security, Auditing, Audit Trail, and Triggers