

INFORMATION INTEGRITY KNOWLEDGE DEVELOPMENT INITIATIVE – AN INTRODUCTION (A CIIR white paper)

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PREAMBLE

Database research community has always acknowledged impact of data errors on Databases, and accordingly there are concepts of Data Security and Data Integrity. However, Date distinguishes between the two by observing that while security involves ensuring that users are *allowed* to do the things they want to do, integrity involves ensuring that the things they are trying to do are *correct*. In other words, security means protecting the database against *unauthorized* users, whereas integrity means protecting it against *authorized* users (direct as well as indirect). Indeed, integrity, unlike security, is applicable even in a single-user system (it is always desirable to avoid errors); and it is far more relevant when the system is shared.

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