

# Information Systems Vulnerabilities

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## Abstract

*The world has become increasingly dependent on information technology (IT) and the remarkable services that it offers - particularly with regards to the Internet and modern computer systems. As a result, there is an ever-increasing need to secure these resources and the assets that are in contact with them from attack. It is imperative that users be aware of the potential security risks that face them so that they can allocate sufficient resources to minimize the dangers that these threats pose to their organization(s). This essay addresses various facets of IT security and offers insight into the different areas that should be considered when attempting to adequately protect a system. The paper begins by discussing the various Internet security problems facing networks today, such as software vulnerabilities, etc. Next, this document discusses factors that have contributed to successful attacks on various organizations within the IT community. It concludes with a discussion of pertinent security objectives and an outline featuring a variety of topics that will help facilitate the development of a successful security model.*

**Keywords:** cyber vulnerabilities, cyber risk, security bugs, information systems

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