

Defense in Depth Principle to Ensure Information Security

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Abstract

The primary scope of the principle of layered security is to achieve a multi-level protection on the data in both at rest or in transit states. A successful approach implies inserting several security barriers to defend against various types of threats. This article presents an overview of Defense in Depth technique applied according to risk analysis performed to ensure data security. Throughout it, several examples of layers of protection are detailed and information security is analyzed in the case of three types of cyber-attacks.

Index terms: defense in depth, layered security, cyber-attacks

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