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Integrity of Information and the Internet

Integrity of information (data integrity) is a term in computer science and theory of telecommunications which means that the data are complete, have not been tampered with any operation whether transferring, storage, or presentation.

Organizations can reduce the risk of data loss by fine tuning the access rights and the timely closure of gaps in protection systems, thereby getting opportunities to exploit the vulnerabilities of information technology infrastructure. Thus, installating new versions of applications, terminal systems and network equipment becomes important. In this case, your corporate system will function properly and with minimal risk.

But simple solutions have already been proposed. Save harmless online financial transactions for your personal computer while using a trusted, secure wireless network. Create strong passwords. Use Firewall to prevent malware and other Internet hacker attacks. It's your computer's first line of defense.

SenderBase network,the world's largest Email and Web traffic monitoring network, Cisco Security IntelliShield Alert Manager, Cisco IPS,network intrusion prevention systems and other systems of Cisco, including studies of Information Security Department, Department of Emergency Response, Department of Corporate Programs, information security and office of global policy and cooperation with public authorities have set those standards that are available to assist organizations implement the appropriate programmes and controls to mitigate these risks

The rapid expansion of network borders, sharp increase in the number of network devices and applications make the network more vulnerable to new threats.New technologies and standards established and recognised by information security policies can reduce the number of incidents.

Unfortunately, due to lack of awareness organizations and individuals oversee the issue of information security. This paper is seeking solutions by identifying a number of possible threats and attacks, highlighting the requirements that should be fulfilled and providing recommendations for an action and best practices to reduce the security risks to users.