

IT asset	Security risk	Security threat	Vulnerability	Impact of risk	Risk level	Impact level	Existing controls	Proposed controls	Priority	Person responsible	Timeframe for completion	Notes
Network systems	Information involved in electronic messaging gets compromised	Spyware attack	Information in transit is not encrypted.	<ul style="list-style-type: none"> Leakage of sensitive data will attract penalties from regulatory bodies Loss of customer trust Fall in brand equity 	HIGH	HIGH	The security policy states that sensitive data such as passwords are encrypted in SHA256 at rest as well as in transit.	<ul style="list-style-type: none"> Implement encryption for other user sensitive information, such as emails and phone numbers. 	HIGH	Dragos-Daniel Bonaparte	22-Feb	N/A
Website	Users are not able to access the website	DDoS attack	The website runs on a free version of the software package, which offers limited security capabilities.	<ul style="list-style-type: none"> Loss of clients due to the inability to provide trust in our service Advantage for competitors 	MEDIUM	HIGH	None in place.	<ul style="list-style-type: none"> Move the website to a more secure and trusted platform. Get SSL certification for the website. 	MEDIUM	Dan-Sebastian Ceapa	15-Jun	N/A
Data storage	Records get lost or manipulated due to unencrypted communication channels	Phishing attack	The channel that the data transit occurs is not encrypted.	<ul style="list-style-type: none"> Discrepancies in the records leading to loss of trust from our users. Data loss without any backups 	HIGH	HIGH	None in place.	<ul style="list-style-type: none"> Develop and implement encryption of channels between all the layers. Create a backup database every 7 days. 	HIGH	Tomas Gres and Chiril Luncasu	15-Apr	Backup of database done by March 31, 2023.
Firewall	Unauthorized users hack into the system through the internet	Ransomware attack	Company's firewall allows inbound telnet, and guest ID is enabled on XYZ server.	<ul style="list-style-type: none"> Unauthorized access to sensitive files due to system vulnerabilities 	HIGH	LOW	None in place.	<ul style="list-style-type: none"> Control the firewall's inbound traffic files. 	MEDIUM	Matas Armonaitis	22-Dec	N/A