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IT286 Network Security Concepts

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Our company has been having security problems with data loss, break-ins, open access, and our webpage recently being hacked, and I think I can give a solution to all these problems so that these risks are no longer a problem in the future. With our corporation being large and having over 300 employees, and making two million dollars a year, it is very important to inherit new ideas to prevent this risk from holding us back or causing us greater damage.

I think our biggest problem that we need to fix first is our employees not knowing what is expected of them when it comes to a security standpoint, and we are also losing data due to the negligence of employees, so we should do two things for these situations. We should promote better security awareness to our employees, so that they are informed on ways to protect their information and the company’s information, and we also need to enforce a better office policy when it comes to our security, and the negligence of our employees.

Another important thing our company needs to fix is our free access to our network just by asking. I think we shouldn’t allow us to give out our information for free so easily. I think it should be a process. I think we should take the following steps when it comes to it. First a person asks for the information, if they aren’t a customer or staff member then we should deny it. Then we should make the person sign an agreement about the data if they want to access, and then fill out a form about the data they request, but with different credentials so that we can trace their activity. Finally, when we give them, the information just gives them the specific part they ask for, but if the information is too personal don’t give it away.

Another problem that I have a solution for is physical break-ins. We need to make sure we protect the company from cyber attacks like malware. We should limit the access of security risk by implementing biometric security protection, and we have a policy where our employees can not share their ID cards or other credentials to enter the software. Since we are a two-million-dollar company I think we can afford biometric security methods, before they cost us more in the long run. We should use fingerprint scanning or facial recognition, and with it costing about $70 dollars per employee it is very affordable.

Finally, to prevent the hacking of our Webpage we should do a couple things to make sure it doesn’t happen again. We should keep our website up to date the same with our security to the website, so that our vulnerabilities are covered with security plugins. The other thing we should do is use a firewall to protect from hackers and malicious attacks. While doing these things it will also be beneficial to run regular backups.

References

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