

Multifactor Authentication

Kristin Raudonis

I plan to investigate Multifactor Authentication and its impact in the field of system security. Obviously, it is much safer since there are more levels of security between the world and an individual's information. However, I would like to look into the different types of Multifactor Authentication, the patterns in which they are implemented together, and whether the extra cost and hassle are proportionate to the extra level of security. I'd also like to examine different instances in which particular companies or organizations use Multifactor Authentication and the success rates of the system. Given this research, I would like to be able to come to the conclusion of which set of Multifactor Authentication techniques offers the most security while being the most cost effective with the least inconvenience to the user.

I've chosen this topic because it seems like more and more organizations are adopting this system. Some computers are beginning to come to market with fingerprint scanners, so more than a username and a password is required to log onto the computer. Additionally, websites like PayPal distribute one time key generators so that a user must have the device on them if they wish to log into their account. While it seems safer on the outside, it would be interesting to see if the advantages of extra security outweigh the disadvantages of extra time, money, and inconvenience.

I plan to write a paper.