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Topic: Packet sniffing for passwords

We plan to investigate packet sniffing as it relates to uncovering/cracking passwords on a wireless network. Although some websites still use cleartext, most websites today encrypt their users' passwords at login. When monitoring network traffic, it is still, however, possible to filter this data so as to find and decrypt passwords. For this project, we will explore the types of password encryption websites use and the most common types of attacks.

As wireless internet becomes ever more common in schools, airports, cafés, and most anywhere, we believe this area of password security will only continue to grow and our topic will be even more important in the future. The really interesting part is that no matter the level of encryption, all http/tcp/etc data is still transferred across the network, out in the open. That concept is pretty interesting (will the hackers always be one step ahead?...etc) and there is probably a lot we can learn from researching this topic.

For this project, we would like to give a presentation on our findings.