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ECE 478: Network Security

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# 1 Group members

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# 2 Project Proposal

Due to both of having a desire to learn more about WEP/WPA wifi protocols and their
vulnerabilities, our project proposal is to compare and contrast the vulnerabilities present in these
protocols, potentially in a chronological fashion. We will focus primarily on the different exploits
for WEP, WPA, and WPA2 and potentially go into more detail about AES and TKIP, as well as
more exotic stuff like WPA RADIUS.

# 3 Sources to use

Lashkari, A.H.; Danesh, M.M.S.; Samadi, B., "A survey on wireless security protocols (WEP,
WPA and WPA2/802.11i)," Computer Science and Information Technology, 2009.
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Majstor, F., "WLAN security threats & solutions," Local Computer Networks, 2003. LCN '03.

Proceedings. 28th Annual IEEE International Conference on , vol., no., pp.650,, 20-24
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Wang Shunman; Tao Ran; Wang Yue; Zhang Ji, "WLAN and it's security problems," Parallel and
Distributed Computing, Applications and Technologies, 2003. PDCAT'2003.
Proceedings of the Fourth International Conference on , vol., no., pp.241,244, 27-29 Aug.
2003 doi: 10.1109/PDCAT.2003.1236297

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