Study on the Hazards of Linking the Smartphone to a Public WiFi Network

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Abstract: *A wireless network is utilized to establish connectivity between different wired infrastructures, enabling seamless mobility for employees within the organization by circumventing the limitations of a physical network. Ensuring the security of the wireless local area network (WLAN) is crucial for a company since it is directly connected to the organization's core network. The proliferation of public wireless access points (hotspots) and the advent of wireless computing devices like tabletop mobiles have facilitated easier internet data access for individuals. The primary objective of this article is to investigate the extent to which users are cognizant of the privacy risks associated with engaging in activities such as internet surfing, computer program querying, and using social networking platforms on publicly accessible hotspots. The primary objective of this study is to aid university decision-makers in evaluating the preferences of public Wi-Fi users about the accessibility of commonly searched sites inside the university's network, and to optimize the allocation of university resources accordingly..*

Keywords: Public Wi-Fi, Privacy, Websites, Leakage, Network