Shane Newbill Prince Kannah CS - 498: Seminar

HW1

Research topic: Man in the Middle (MITM) interception

Search terms use:

- Man in the Middle
- Wireless communication systems
- HTTP/HTTPS
- SSL/TLS
- Computer network security
- MITM
- Security
- Bluetooth
- Cyber security
- Phising
- Key Establishment

References:

- 1. Y. Joshi, D. Das and S. Saha, "Mitigating man in the middle attack over secure sockets layer," 2009 IEEE International Conference on Internet Multimedia Services Architecture and Applications (IMSAA), Bangalore, 2009, pp. 1-5.
- 2. E. de la Hoz, G. Cochrane, J. M. Moreira-Lemus, R. Paez-Reyes, I. Marsa-Maestre and B. Alarcos, "Detecting and defeating advanced man-in-the-middle attacks against TLS," 2014 6th International Conference On Cyber Conflict (CyCon 2014), Tallinn, 2014, pp. 209-221.
- 3. M. Conti, N. Dragoni and V. Lesyk, "A Survey of Man In The Middle Attacks," in *IEEE Communications Surveys & Tutorials*, vol. 18, no. 3, pp. 2027-2051, third quarter 2016.
- 4. F. Callegati, W. Cerroni and M. Ramilli, "Man-in-the-Middle Attack to the HTTPS Protocol," in *IEEE Security & Privacy*, vol. 7, no. 1, pp. 78-81, Jan.-Feb. 2009.
- 5. M. Cai, Z. Wu and J. Zhang, "Research and Prevention of Rogue AP Based MitM in Wireless Network," 2014 Ninth International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, Guangdong, 2014, pp. 538-542.
- 6. G. Sagers, B. Hosack, R. J. Rowley, D. Twitchell and R. Nagaraj, "Where's the Security in WiFi? An Argument for Industry Awareness," *2015 48th Hawaii International Conference on System Sciences*, Kauai, HI, 2015, pp. 5453-5461.
- 7. Peng Z, Xiaojing G. HTTPAS: active authentication against HTTPS man-in-the-middle attacks. IET Communications [serial online]. November 15, 2016;10(17):2308-2314. Available from: Academic Search Premier, Ipswich, MA. Accessed February 9, 2017.

- 8. Otto Waltari and Jussi Kangasharju. 2016. The Wireless Shark: Identifying WiFi Devices Based on Probe Fingerprints. In *Proceedings of the First Workshop on Mobile Data* (MobiData '16). ACM, New York, NY, USA, 1-6.
- 9. R. K. Kodali, V. Jain, S. Bose and L. Boppana, "IoT based smart security and home automation system," *2016 International Conference on Computing, Communication and Automation (ICCCA)*, Noida, 2016, pp. 1286-1289.
- 10. Haidong Xia and José Carlos Brustoloni. 2005. Hardening Web browsers against man-in-the-middle and eavesdropping attacks. In *Proceedings of the 14th international conference on World Wide Web* (WWW '05). ACM, New York, NY, USA, 489-498.