

Data Mining: Tools Hackers Use to Glean Sensitive Information and How to Counter Them

This session will demonstrate the ease with which hackers and other unauthorized individuals can gain access to networks, as well as sensitive data within the network. A Canaudit consultant from our lab in Simi Valley, California will conduct a live hack of a firewall-protected machine located in the conference room. The participants will learn how hackers avoid intrusion detection and prevention software to take control of servers within the network. The instructor will then conduct a live demonstration on how hackers locate sensitive information in compromised Oracle and Microsoft SQL Server databases. The instructor will also demonstrate how to easily breach a firewall to set up an external exploit that accesses internal databases. After each demonstration, the instructor will describe the controls that must be deployed to properly protect sensitive information in an electronic environment. The presentation will focus on the controls and incident response procedures required to detect an intrusion, how to properly respond to it, and how to mitigate the damage.