



Randy Marchany

The More it Changes, the More it Stays the Same

This talk reviews some root causes of successful cyber attacks over the past 20 years. It points out that the same root causes that were listed in 2000-2003 are still root causes in 2013. The talk asks the questions "Why haven't we fixed a single root cause in the past 10 years" and "What have we (security types) been doing these past 10 years?". Have we created a cyber-security industrial complex? Examples of the state of cybersecurity will be given. A straightforward strategy to address some of these root causes will be given.

Biography

Randy Marchany is the University Information Security Officer for Virginia Tech. He is also the director of the VA Tech IT Security Testing Lab, a component of the university's Information Technology Security Office.

He is the author of VA Tech's Acceptable Use Statement and a co-author of the original FBI/SANS Institute's "Top 10/20 Internet Security Vulnerabilities" document that has become a standard for most computer security and auditing software. He is the co-author of the SANS Institute's "Responding to Distributed Denial of Service Attacks" document that was prepared at the request of the White House in response to the DDOS attacks of 2000. He was part of the SANS Institute's Secure Code project that developed a set of exams to test programmers' knowledge of secure coding techniques. He has been a member of the SANS Institute's faculty since 1992 and developed its original IT Audit course.

He is a co-author of the EDUCAUSE "Computer and Network Security in Higher Education" booklet. He is a member of the EDUCAUSE security task force focusing on risk assessment and security metrics. He was a coauthor of the original Center for Internet Security's series of Security Benchmark documents for Solaris, AIX and Windows2000.

He is one of the founders of the Virginia Alliance for Secure Computing and Networking (www.vascan.org), a consortium of security practitioners and researchers from VA Tech, U of Virginia, James Madison Univ., George Mason Univ.

He has been a frequent speaker at national and international conferences such as SANS, IIA, ISACA, ACUA, Network Security, IEEE Symposium on Systems Management, NIST, NY State OIT Security conference, FBI-Infraguard chapters, US Forest & Wildlife Service, Computer Security Conference, DECUS-Canada, Air Force Material Command, EDUCAUSE and ACUA. He's been the subject of articles in the Chronicle of Higher Education on security issues at university campuses.

He was a recipient of the SANS Institute's Security Technology Leadership Award for 2000. He was a recipient of the VA Governor's Technology Silver Award in 2003. He was part of the team that won the EDUCAUSE Excellence in Information Technology Solutions Award in 2005.

He is acknowledged as one of the North American masters of the hammer dulcimer. He is the author of the original theme song of National Public Radio's nationally syndicated radio program, "World Cafe". His band, "No Strings Attached" was nominated for or won "Indie" awards (independent record label's version of the Grammy) for Best Album (String Music) category in 1984, 1985, 1986, 1988, 1990.