Meeting the Challenges of Attacks, Breaches & Compliance

With the increasing sophistication of cyber criminals and their tactics, Defense-in-depth is the way to go. Credit Unions should begin with a review and refresh of cyber security *policies and procedures*, and immediately start a *security aware-ness* training program.

Training done only once a year for compliance is ineffective. The majority of data breaches are caused by human error and employees need to be well trained on social engineering tactics used by cybercriminals, then tested randomly with mock phishing or spear-phishing tests to keep their awareness high with cyber security top of mind

Next is perimeter defense such as a firewall or other tools to prevent intrusion. Then there are internal network tools that monitor for traffic that should not be there, e.g. attackers and the like. Protection of the individual computers (the host com-puters) with whitelisting software is crucial since antivirus is no longer sufficient. Individual end-user applications need to be protected, and keeping data safe is the last step with methods like encryption.

The largest single source of a data breach is human error and is the top concern of IT and business executives alike. Examples like clicking on something they shouldn't such as a spear-phishing email or falling prey to ransomware infections open the door to cybercriminal network access. KnowBe4's Security Awareness Training enables any organization to quickly improve the management of the increasingly urgent IT security problems of social engineering, spear-phishing and ransomware.

KnowBe4 provides self-service enrollment, and both pre-and post-training tests to show the percentage of end-users that are phish-prone. KnowBe4 also provides ongoing simulated customizable Phishing Security Tests (PST) to keep employ-ees on their toes, and provides instant remedial online training in case an employee falls for a simulated phishing attack.

KnowBe4 allows credit unions to leverage their compliance efforts to make them more secure with KnowBe4's Kevin Mitnick Security Awareness Training. The training specializes in making sure employees understand the mechanisms of spam, phishing, spear-phishing, malware and social engineering, and are able to apply this knowledge in their day-to-day job. Each case study ends with its own short multiple choice test, a quiz at the end of the training, and trainees get a unique job-aid: Social Engineering Red Flags™ with 22 things to watch out for.

After the training, KnowBe4's highly effective scheduled Phishing Security Tests keep employees on their toes. From the Admin Console you are able to schedule regular or random Phishing Security Tests (PST for short) from dozens of tem-plates. In case an employee falls for one of these simulated phishing attacks, you have several options for correction, including instant remedial online training.

Having your perimeter defended by a "human firewall" is one of the best ways to get high ROI on your IT security budget.

KnowBe4
Human error. Conquered.

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Stu Sjouwerman (pronounced "shower-man") is the founder and CEO of KnowBe4, LLC, which provides web-based Security Awareness Training (employee security education and behavior management) to small and medium-sized enterprises. A data security expert with more than 30 years in the IT industry, Sjouwerman was the co-founder of Inc. 500 company Sunbelt Software, an award-winning anti-malware software company that he and his partner sold to GFI Software in 2010. Realizing that the human element of security was being seriously neglected, Sjouwerman decided to help entrepreneurs tackle cybercrime tactics through advanced security awareness training. KnowBe4 services hun-dreds of customers in a variety of industries, including highly-regulated fields such as healthcare, finance and insurance and is experiencing explosive growth with a surge of 427% in 2013 alone. Sjouwerman is the author of four books, with his latest being Cyberheist: The Biggest Financial Threat Facing American Businesses.