

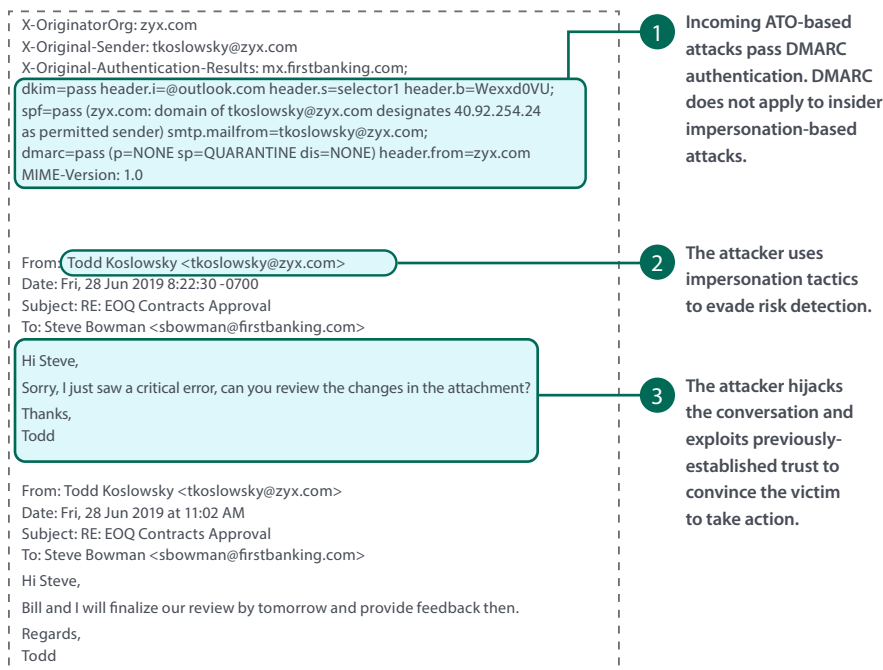
Account Takeover Attack Prevention

Protect Your Employees From Becoming Victims of Account Takeover-Based Attacks

Organizations are more likely to be breached today than ever before, as cybercriminals shift tactics once again, using account takeovers (ATOs) to launch targeted email attacks. In fact, according to Sift's Q3 2023 Digital Trust & Safety Index, account takeover attacks increased **354% year-over-year in 2023**. And, Gartner has tracked the implementation of cyber-fraud fusion over the last few years and maintains that less than one in 20 large companies is leveraging this strategy as of Q3 2024.

As a result, attackers maintain that email is the most effective way of breaching an enterprise, as existing security controls cannot detect these attacks since they come from previously established credible senders. Thus, employees have a hard time spotting these attacks because they appear to come from trusted colleagues. As such, organizations must place a higher priority in protecting against account takeovers—or risk becoming the next victim.

Anatomy of an Account Takeover-Based Email Attack



"Since implementing Fortra's Advanced Email Security solution, we have seen a 300% increase in the number of compromised accounts sending advanced email attacks into the organization and we see stopping this threat as a critical security control."

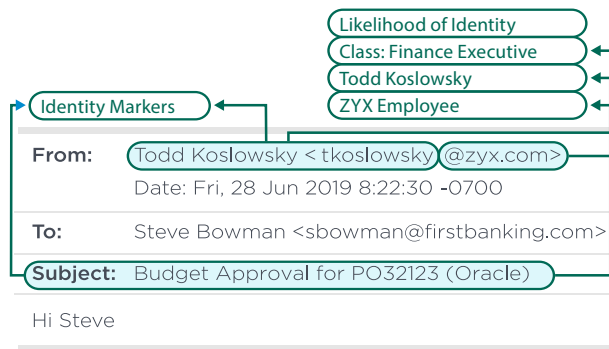
CSO, Large Healthcare Organization

Introducing Email-Based Account Takeover Attack Prevention

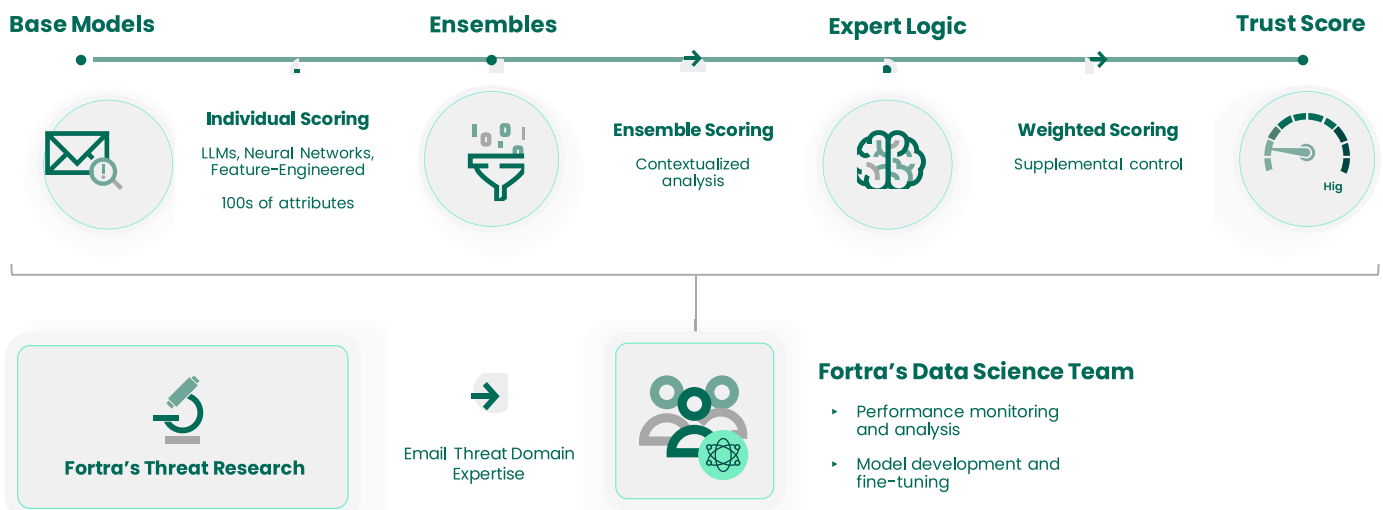
Fortra's [Cloud Email Protection](#) prevents email-based account takeover attacks from reaching employee inboxes. It also inspects email flowing within an organization for indicators that an internal email account has been compromised for unauthorized use. Once an account takeover is suspected, Cloud Email Protection prevents the spread of malicious emails from affected accounts laterally within and externally to the organization.

The Science Behind the Scenes of Cloud Email Protection

Fortra's Advanced Data Science employs a combination of machine learning, large language models, and neural networks to determine whether an email should be trusted. It quickly detects and stops advanced impersonation threats, like BEC, that bypass signature or pattern-based defenses, before reaching user inboxes. By analyzing hundreds of [email characteristics and header data](#), Fortra's Advanced Data Science models scan and interpret internal employee-to-employee messages to detect malicious attachments and URLs sent from compromised internal accounts, as well as prevent ATO-type attacks that originate outside of an organization.



The advanced system of machine learning (ML) models work together to accurately detect impersonation and social engineering techniques used in messages. Comprised of data scientists with extensive experience in practical applications of modern ML and AI technologies, Fortra's Data Science team partners with Fortra's storied roster of email impersonation and threat intelligence researchers spanning Agari, Clearswift, PhishLabs, and other Email Security solutions. This robust team has developed high-performing models that consider parts of messages and contextual data both individually and collectively. These models are combined using ensemble learning techniques that relate them to one another to consider all threat characteristics and patterns and attach a score to each while applying expert logic-based rules. Together, all of these steps maximize decision confidence and ensure accuracy.



Benefits of Implementing Fortra's Cloud Email Protection

With the increased effectiveness of exploiting [account takeovers](#) over existing techniques, rising financial gains, and lack of organizational protections, attackers are highly motivated to increase their attack rate in the coming year. With Cloud Email Protection, organizations will have the prevention capabilities needed to stop these attacks—ensuring critical-business communication continues to flow securely and uninterrupted.

Learn More: <https://emailsecurity.fortra.com/products/cloud-email-protection>



About Fortra

Fortra is a cybersecurity company like no other. We're creating a simpler, stronger future for our customers. Our trusted experts and portfolio of integrated, scalable solutions bring balance and control to organizations around the world. We're the positive changemakers and your relentless ally to provide peace of mind through every step of your cybersecurity journey. Learn more at fortra.com.