



## **Introduction**

Gamma is a predictive people centric security platform. Over 90% of the major data, security and privacy breaches start with human negligence. Gamma leverages deep artificial intelligence to detect inadvertent security or privacy mistakes made by your employees over cloud applications and instantly notifies them on remediation strategies. Gamma thereby prevents accidental and intentional exposure of sensitive information, protects against social engineering attacks, and delivers an event-driven security awareness training solution using its patent pending AI technology.

## **Problem**

We are living in a post digital revolution era. All major enterprises rely heavily on cloud applications for their needs. Cloud gives a major productivity and agility boost to the workforce. But it comes with its own challenges.

The new collaboration focussed SaaS applications have made it extremely seamless for employees to share company sensitive data assets across systems, organizations and even geographical borders. This poses a major challenge for the CISO around data security, governance and privacy across every enterprise. The rising complex privacy and security regulations across the globe not only force organizations to have proper inventory of all their data assets, but additionally, CISOs need to guarantee strong enforcements around prevention of information leakage to ensure compliance. Unfortunately, CISOs have been charred with technological solutions like DLP offerings which do nothing more than blow away the security operations team with thousands of false positives every day. CISOs have come to an agreement that the only right way to solve the problem from ground up is by proactively pursuing engaging security awareness training for their employees. The consensus as it stands, and a major point on all CISOs agenda is to “stop treating their employees as the problem, but make them part of the solution instead”. Security needs to be everyone's problem and not just the IT team's problem anymore.

But security awareness is not a new concept. It has been there for ages. And unfortunately hasn't been reinvented at all. Employees are on-boarded with boring slide decks or training videos where it is far more productive to look outside into the sun and just keep pressing on the

“next” button. On the other hand, seamless utilization of collaboration applications by employees has made the likelihood of inadvertent security or privacy mistakes multifold over the recent years. Illustrated below are few examples of such instances and their outcomes.

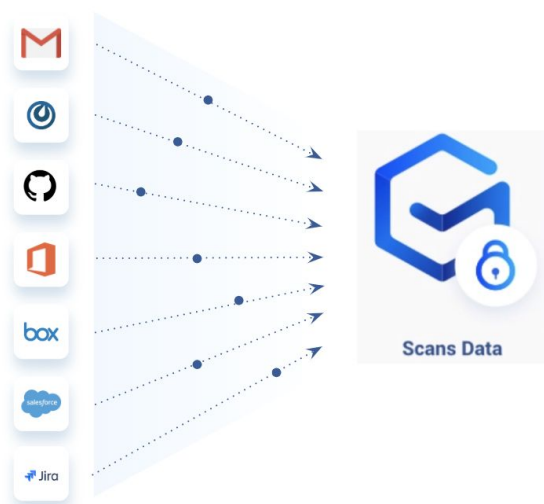
Platforms	Instances	Loss
<b>Email</b>	In 2018, IC3 received 20,373 BEC/Email account compromise instances	These instances led to losses of over <b>\$1.2 billion</b>
<b>Slack</b>	29% of all breaches involve stolen credentials (According to Verizon DBIR that is approx 500 breaches)	Cost of breach is <b>\$7.91 million</b>
<b>Github</b>	Example: Uber’s engineering included usernames/passwords in a repository on Github	<b>\$148 million</b> in fines <b>\$100,000</b> ransomware Huge reputation damage
<b>Cloud storage</b>	Leaky mounts caused Facebook, Netflix, TD Bank and many more breaches. Upto 7% of mounts have sensitive data with unrestricted access.	The cost of these breaches is <b>high</b> and depends on the <b>number of records</b>

### Solution

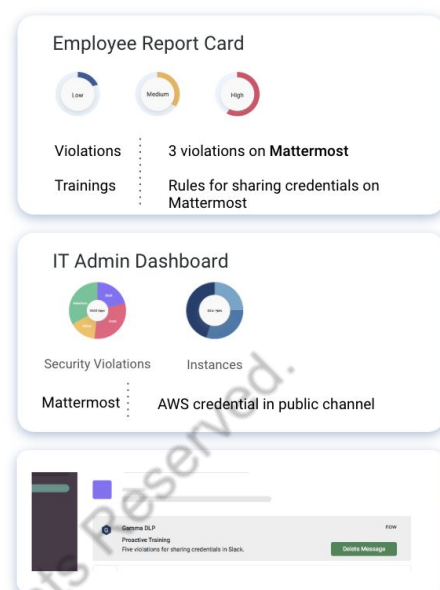
Gamma offers a unique event-driven security awareness solution via its patent pending AI technology. Gamma seamlessly integrates with all cloud applications. It continuously monitors for any employee actions that could potentially escalate into a major data, security or a privacy breach. It provides continuous monitoring for any threats to the IT team and instantly informs both the IT team and the user who made the mistake on how to remediate the scenario. That is, Gamma prevents the issue from escalating, offers one click remediation mechanism, and most importantly trains every employee on the job as and when they make the mistake. This way Gamma continually delivers event-driven security awareness training right at the time when it is needed the maximum and right at the time when the effect of the training notification is maximum. Gamma uses proprietary deep learning models that have shown industry-wide lowest false positive rates with highly accurate catch rates.

Gamma platform is already being leveraged across multiple organizations. It has detected over a few thousand critical violations across all these customers. It has helped remediate over 200 of these critical violations from turning into any major breach. And it has already helped improve the security awareness of over 20% of the workforce for each of its customers by sending targeted event-driven notifications with relevant training material. Shown below is a quick overview of Gamma works.

## SAAS Apps



## Real time dashboards



© 2019 - Gamma Networks, Inc.

## Conclusion

Cloud applications give significant rise to productivity and agility across the organization. But they also cause employees to make many more inadvertent security and privacy mistakes. A single instance, whether it is responding to a [social engineering attack](#), or [sharing corporate credentials](#) over instant messaging or [leaking company intellectual property](#) over email, can cause companies to lose millions of dollars in one go. CISOs have tried and failed to solve this problem via technological controls like DLP solutions or using security awareness training suites.

Gamma offers a unique solution that relies on targeted event-driven notifications to employees on clear actions to remediate a scenario as and when they make a mistake that could potentially cause a major breach. Gamma has shown tremendous results with a few early customers. Though early, it definitely aims to be the best friend of the entire CISO org along with all the other employees themselves and live by the vision to be the first and the most powerful people centric security solution in the world.

Check out Gamma [demo](#) here. Gamma is currently live on [Gmail](#), [Slack](#), [Outlook](#), [Mattermost](#) and [Github](#).