

CGI Security Awareness Game

Ready to play!

Do you also have a challenge raising the security awareness of your teams? You offer all the security trainings, tools, protocols and processes that anyone could ever want, but not enough people actually use them. In today's connected society, cybersecurity is one of the most important aspects of businesses across the globe, it safeguards us from hacks, malware and data breaches.

However, this is only as good as the people who manage it. As one of the largest IT consulting firms, we at CGI understand this. That is why we created a fun and engaging 'serious game' to motivate teams to learn and become increasingly more security aware. Introducing CGI's Security Awareness Game.

WHY A GAME?

Serious Games are an excellent tool for teaching and training; and because most adults play games regularly (54% in Europe) it becomes obvious that using a serious game to increase the security level of a team is the most effective choice.

THE CHALLENGE: MOTIVATION

Security trainings, tools, protocols and processes are constantly offered to employees in every organization, but the challenge is to motivate them to actually make use of them. Many people wrongly think that security is a 'problem for later', 'somebody else's job' or even that it is 'not relevant for their team'.

OUR SOLUTION: INCORPORATE OUR GAME IN THE DAILY JOB

To motivate and raise awareness we have designed a serious game for DevOps teams: the CGI Security Awareness Game. The game is a team-based strategy game, driven by the real-world security performance of the team. This helps teams to keep security top-of-mind by creating feedback-loops that they care about and integrating it in their daily routine. By playing the game teams are motivated to actively think about security, resulting in teams becoming increasingly more security aware and developing a stronger secure-by-design mindset.

CGI

Experience the commitment®



Game Features

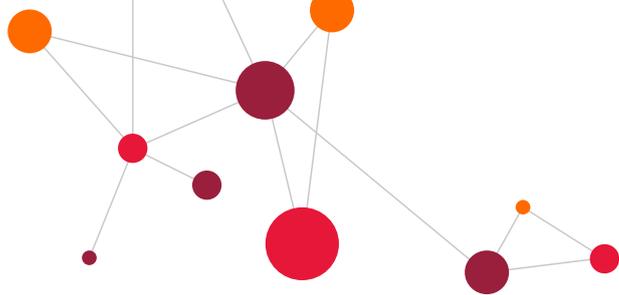
- 5-10 minute play sessions at the end of a sprint.
- Playable via web-portal.
- Team competition: leaderboards.
- Team captain forms link between real world and game. (Data entry, guiding team, etc.)
- Security quiz's questions can be tailored to each type of team (current set of 150+ questions).
- Real-world Security Performance measurements can be tailored to each type of team.
- Quarterly releases with new functionality to keep players engaged.
- Gameplay designed for long-term enjoyment.

Upcoming 2.0

- Integration with security tooling (Fortify, Checkmarks, JIRA, etc.)
- Reporting dashboard.
- Question Management and admin panels.
- Team and player profiles and progression.
- UI/Graphical upgrades.
- Additional question sets.
- New units, new defenses, more gameplay!

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CGI SECURITY AWARENESS GAME

In a nutshell:

- Data-driven Security Gamification.
- Real-world performance has effect inside the game.
- Integrated in regular sprint cycle for a sustained effect.
- Leverages team competition and peer pressure to motivate players.
- Quiz functionality to test and improve security knowledge
- Easily accessible through a web-portal.
- Players get a break from their work routine to play a game as a team.

What are the effects:

- Motivates players to put effort into their security performance.
- Makes players understand the scope and importance of security.
- Increases security-related knowledge.
- Players develop a secure-by-design mindset.
- Increases team cohesion, communication and ownership by playing and winning together.

GAME FLOW

The game flow consists of several phases, the game is played at the end of each sprint making use of the web-portal, here teams answer a security quiz, build defenses, upgrade said defenses and see the battle play out. A team's real world security performance determines how strong their defenses will be for the coming wave, so it serves as motivation to become better at their specific security indicators. Teams can also access the web-portal to view how their score ranks compared to other teams.

SECURITY FIRST

To keep security top-of-mind we designed feedback loops in the game, that motivate employees to care about their security performance which integrate in their daily routine:

- Commitment to team (peer pressure).
- Recurring security rituals (become habits).
- Friendly team competition (as driver).
- Input from real-life security performance (link with real world).
- Positive, fun team activity!

KEY BENEFITS

- Improve teams' security knowledge and performance.
- Fun place to work: Enjoyable, team bonding experience.
- Gain insight into your current security performance.
- Small time investment.
- Sustained effect (compared to single learning events).



About CGI

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world. Operating in hundreds of locations across the globe, CGI delivers an end-to-end portfolio of capabilities, from strategic IT and business consulting to systems integration, managed IT and business process services and intellectual property solutions. CGI works with clients through a local relationship model complemented by a global delivery network to help clients achieve their goals, including becoming customer-centric digital enterprises

Why CGI?

CGI has a proven track record of creating fun and effective gamification solutions for a variety of clients in many industries. By implementing our gamification solutions clients achieved positive behavioral change, gained insights into complex processes, efficiently trained employees and simulated critical systems, among others. We have a dedicated and experienced game development team that is passionate about creating the best possible solution for each challenge a client might have, be it Augmented Reality, Virtual Reality, Gamification or Serious Games, we are ready to play!

More information

For more information about the CGI Security Awareness Game, please contact Giliam Oostema (giliam.oostema@cgi.com) or Rob Miebies (rob.miebies@cgi.com).

For more information about CGI, visit www.cginederland.com, or email us at info.nl@cgi.com.