







The need for Security Champions





Building a Security Champions Program



Key Takeaways





Security teams

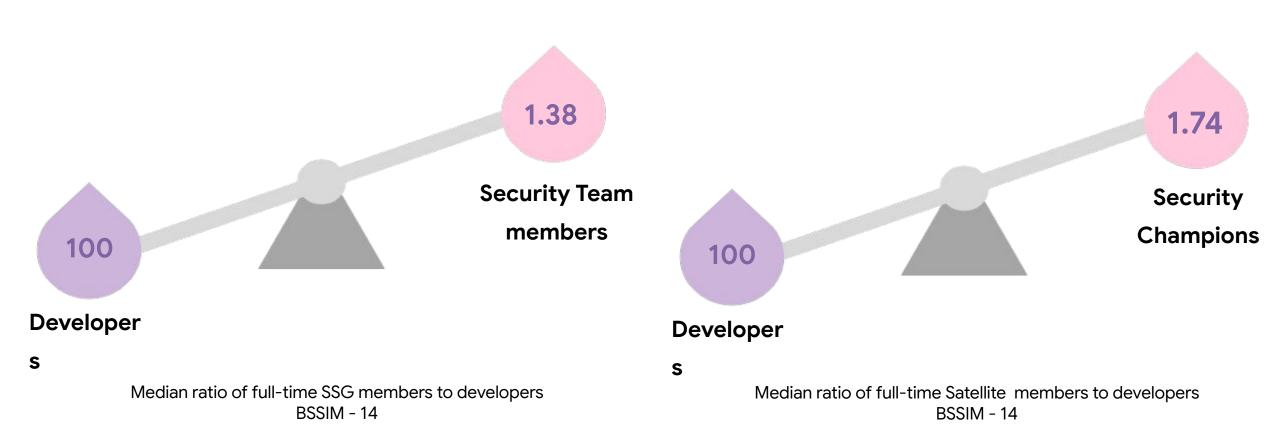
- Security ratio disparity
- Lack of Scalability
- Limited Budget

Engineering teams

- Delivery Pressure
- Security is a bottleneck
- Adherence to compliance requirements



The Need For Security Champions

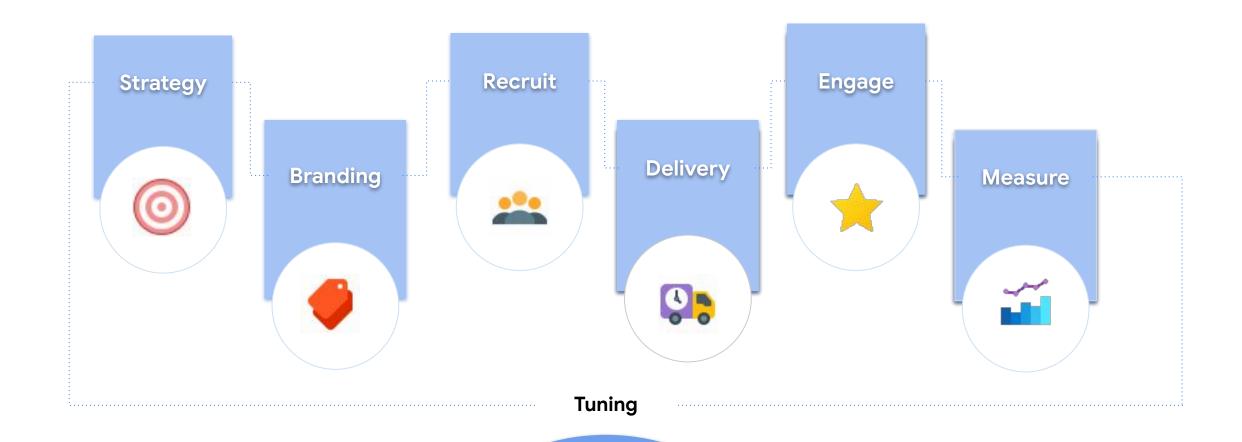


Source: Building Security in Maturity Model (BSIMM) 14 Report





A step-by-step approach



Let's scale security!





Strategy: Look at the big canvas.



- Get executive buy in & budget
- Develop your Program objective, Mission and Vision
- Set achievable goals for your Security Champions program

BUY IN

Make the business case



GOALS

Set yearly goals







Branding: Make an Impact



- Advertise the existence of the program.
- Branding can help build Trust with the different audiences involved.

BRAND

Invest in a central brand.



VISUAL IDENTITY

Design a Logo/Mascot



SWAG

Merchandise, stickers, posters,







Recruit: Find and sign champions



- Formalize the Security Champion Role
- Ensure managers are on board and will give time to the security champions

START SMALL

Beg in the early days



THINK BIG

At least one champion per "team"



VALUE

Sell the value proposition







Delivery: Partnership in action (I)



- Establish Security Champions Levels
- Set up communication channels & build a knowledge base

LEVELS

Divide the program into multiple competency levels.



TRAINING & UPSKILLING

Basic training to speed up learning and prepare champs for complex scenarios.



KNOWLEDGE BASE

Primary source for answering security-related questions.



COMMS

Set up communication channels







Delivery: Partnership in action (II)



- Define clear roles & responsibilities
- Find key partnership areas: Threat Modeling, Testing scope, Pentesting & Finding remediation

Topics For Champions

SECURE CODING & ARCHITECTURE

- Formal training on secure coding & labs.
- Threat modelling training
- Baseline Security controls
- Secure architecture reviews
- Code Reviews
- How to fix the bugs they find

POLICIES

- Policies, standards and guidelines
- Support champs create missing guidelines
- How to be compliant
- Their role during an incident
- Security Consulting

TOOLING

- Custom training on tools they use
- How to install and configure tools
- Help them select the BEST tools
- Lunch and learns or hack-a-thons





Engage: Boosting and motivating retention



- Have fun, be creative and test.
- Champions stay when they feel appreciated, so over-communicate their contributions.

How to keep them engaged?

Tournaments. contests, **CTFs**



Live Streams, webinars

LIVE

Newsletters, emails, posts.

Security Champions corner

Recognition



Visibility &

Networking



Monetary Rewards







Track & Measure Success



• Determine the ROI of the Security Champions program

CHAMPIONS

- Total Count
- Active Champions
- number of security champions onboarded
- Champions distribution

THREAT MODELLING

- number of threat models or threat modelling activities conducted
- number of findings from threat models

CODE REVIEWS

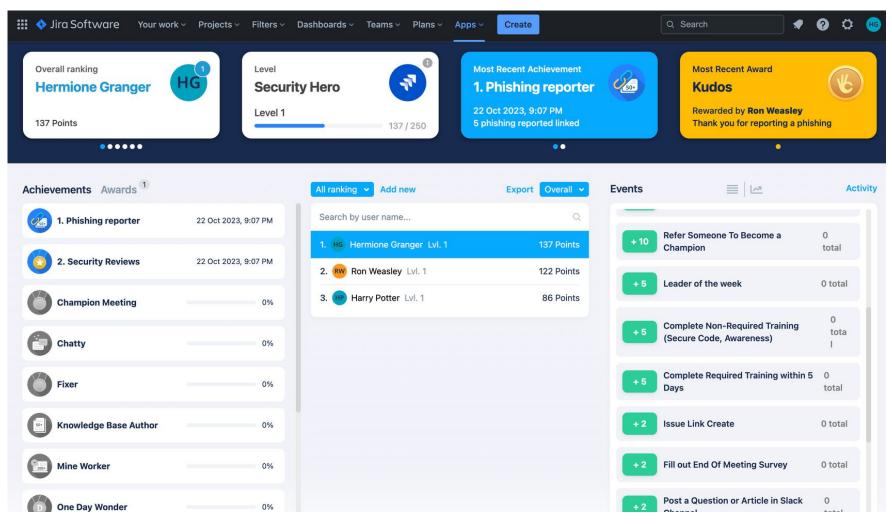
- number of code reviews conducted
- number of findings from code reviews

SECURITY TESTING

- # of findings remediated from penetration testing
- # of findings solved from vulnerability scanning
- number of findings remediated
- time taken to remediate a vulnerability



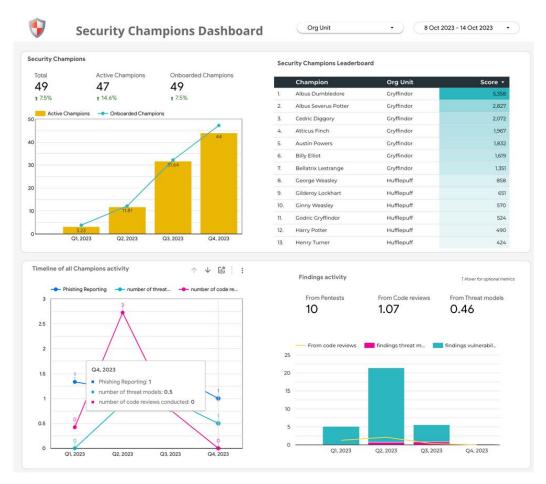
Dashboard examples (I)

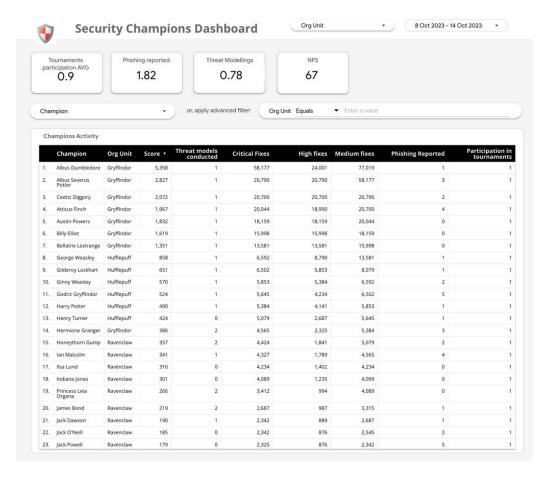


Leaderboard dashboard in Jira (Cloud)



Dashboard examples (II)





Security Champions dashboard example https://lookerstudio.google.com/s/vprlq1lm5AY





- Get leadership buy in and budget.
- Gamify wherever possible.
- Integrate Champions Program with HR, People & Culture processes.
- You don't need to buy more tools.
- Automate program activities (Onboarding, etc.)
- Have fun, be creative and enjoy the process:)





Thank you!

Do you have any questions?



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Resources

https://owasp.org/www-project-security-champions-guidebook/

https://www.synopsys.com/software-integrity/resources/analyst-reports/bsimm.html

