How Sage Strengthens Business Resilience with HackerOne Security Advisory Services

To keep pace with rapidly changing security environments, organizations must equip their internal teams with the knowledge and skills to safeguard against evolving cyber threats. As the market leader in cloud business management solutions, millions of global organizations trust **Sage** to secure their data.

Sage Partnership with HackerOne

Sage recently partnered with HackerOne's **Security Advisory Services** (SAS) to design a customized cybersecurity workshop to educate and empower the Sage 'Security Champions.'

The objective:

- ✓ **To use real-life security case studies submitted through Sage's bug bounty program to drive practical learning.**

- ✓ **To teach cross-functional teams to readily respond to such examples.**

- ✓ **To develop a playbook for remediation.**

The Power of Bug Bounty Extends to Internal Education

Sage launched a private bug bounty program with HackerOne in 2020. The program has been a success engaging ~1,000 ethical hackers. With more than 250 valid reports submitted and 22 critical vulnerabilities resolved, Sage's bug bounty program has significantly increased the security and trust of its end customers.

HackerOne SAS workshop with 60+ Sage Security Champions

"By enabling all teams that work in cybersecurity to better understand the root causes of real-life examples, we can avoid more issues earlier in the software development lifecycle. The HackerOne workshop helps to educate 100s of Sage employees and strengthen our capabilities and how we respond to situations."

Lucian Corlan
**Senior Director,
Application Security, Sage**

~1,000+

Ethical hackers. With more than 250 valid reports submitted and 22 critical vulnerabilities resolved.

Value of Learning

With the immense value of learnings from their bug bounty findings, Sage knew the importance of disseminating the information throughout its organization. By sharing this information, Sage is able to help IT teams, developers, and security-adjacent teams grasp the complexities within cybersecurity, particularly in today's intricate IT environments. Sage decided to use their bug bounty findings to educate internal teams and share insights into real-life Sage security challenges.

To do this, they partnered with HackerOne's SAS team to build a technical workshop session dubbed the 'Vulnerability Voyage' for inclusion in their annual Security Champions' Conference. HackerOne experts developed this workshop to ensure organizations like Sage can use real vulnerabilities submitted to their programs to expand their security knowledge. This, in turn, would help them collaborate with peers and be better prepared to confidently handle potential vulnerabilities that might arise in their business units.

Empowering Teams for Success

Behind each vulnerability is a story that shows the root cause, highlights security challenges, and prioritizes the processes that need the most focus. By identifying root causes and sharing vulnerability stories, Sage has created a wider feedback loop that drives internal education and awareness, helps develop a security roadmap, and hardens its attack surface to ensure they stay ahead of elusive threats.

To make the workshop experience engaging and compelling, Sage Security Champions were divided into small teams of 10 people for interactive, hands-on activities. For two hours, teams analyzed real-life vulnerability reports submitted by ethical hackers through Sage's bug bounty program. They discussed the business impact each vulnerability could have if not found and learned security best practices to ensure internal security testing processes are effective in preventing common, repeat issues.

HackerOne handled the workshop details by:

- **Preparing the workshop content**

- **Hosting a kick-off meeting**

- **Conducting bug analysis and vulnerability journey mapping**

- **Running analysis reviews and approvals**

- **Designing workshop materials**

- **Facilitating the live session**
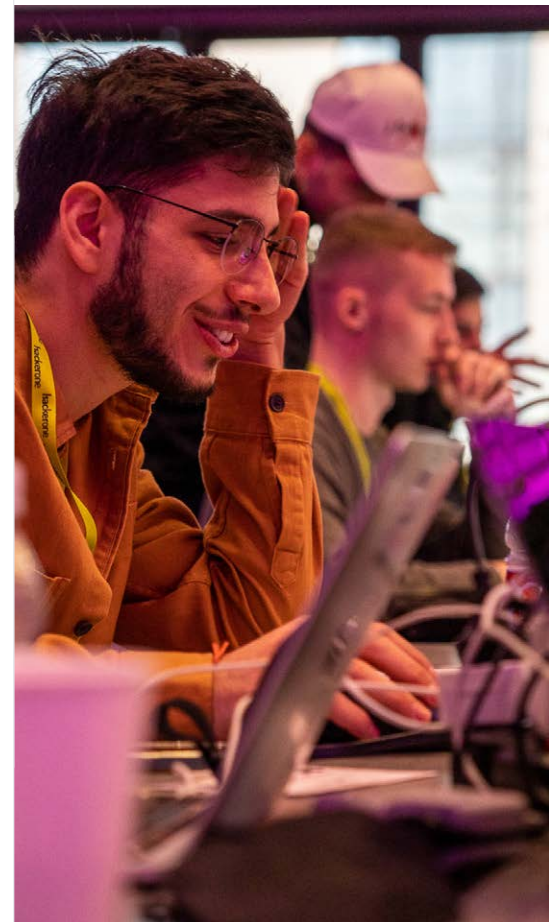
Workshop resources guided teams through the process and equipped them with tools to understand how to handle potential vulnerabilities they might see in Sage products. By outlining, analyzing, and discussing these vulnerabilities, teams gained valuable insights into common cybersecurity challenges the organization faces.

Sage Security Champions and HackerOne discuss the workshop results.

The workshop successfully helped educate security-adjacent teams and created new efficiencies for Sage's cybersecurity team. This includes a reduction of bug bounty program submissions: common, repeat bugs will be reduced, and the program should shift to finding primarily novel and elusive vulnerabilities, ultimately helping to save time and money. The workshop will also lead to improvements to Sage Group's overall security posture; as the workshop reaches different business units within Sage Group, new digital assets are added to the bug bounty program.

"By participating in this workshop, Sage employees developed a better understanding of the security decision-making process, its significance within the Sage organization, and its impact on individual teams and, importantly, our customers."

Lucian Corlan
Senior Director,
Application Security, Sage

Reduced submissions

Ultimately helping to save time and money.

Building a Culture of Security

The participation of over 60 employees at the workshop highlighted Sage's commitment to fostering a security-conscious workforce. To ensure the workshop's impact extends beyond the event, Sage also created videos to capture key learnings and insights, which will be used for ongoing training and awareness initiatives that empower more Sage colleagues with these critical learnings.
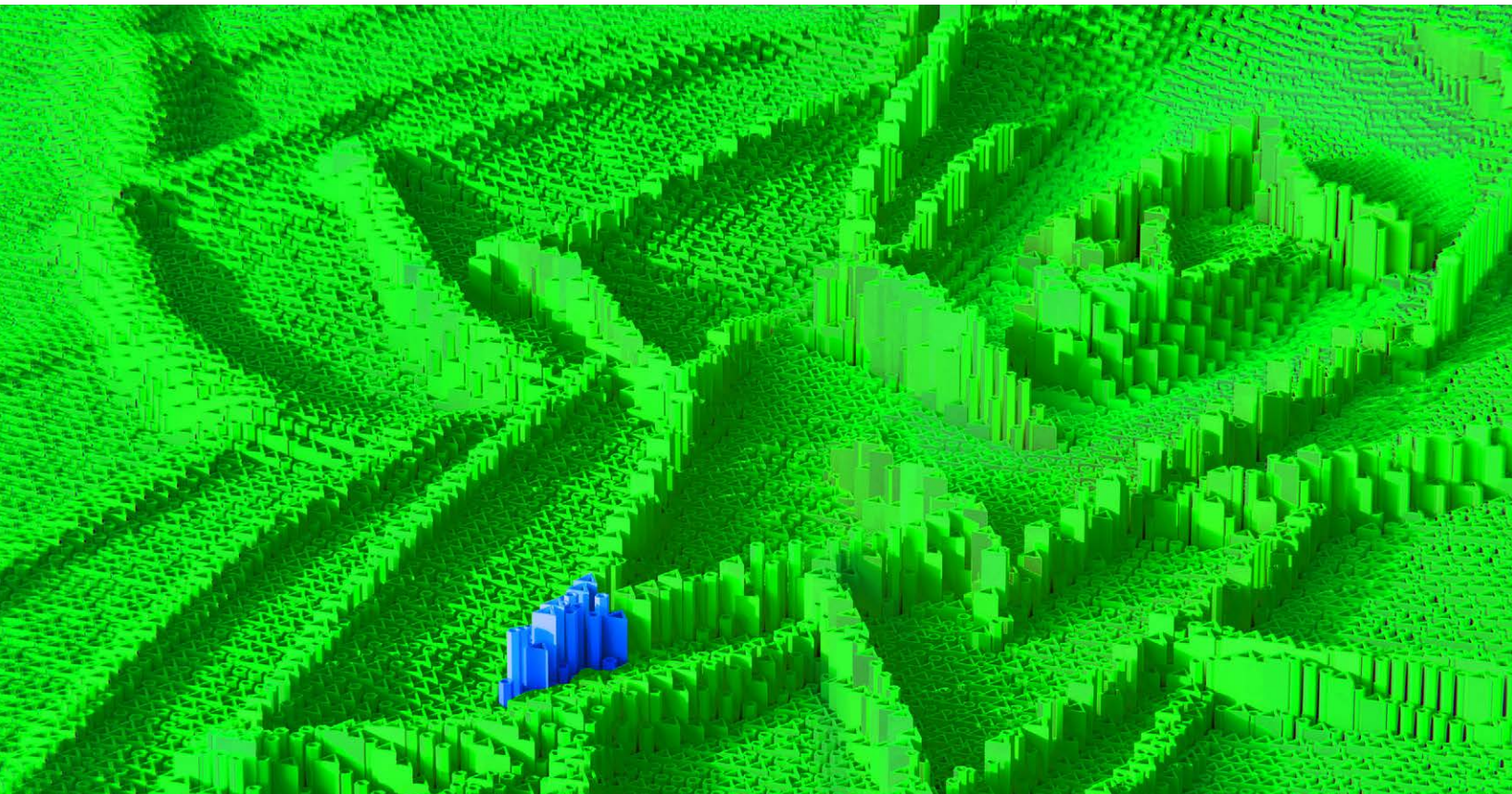
The heightened awareness has also improved relationships between product and security teams, increasing cross-functional collaboration and understanding of reported bugs through education and teamwork. The workshop received a perfect score of 10/10 from the leadership team.
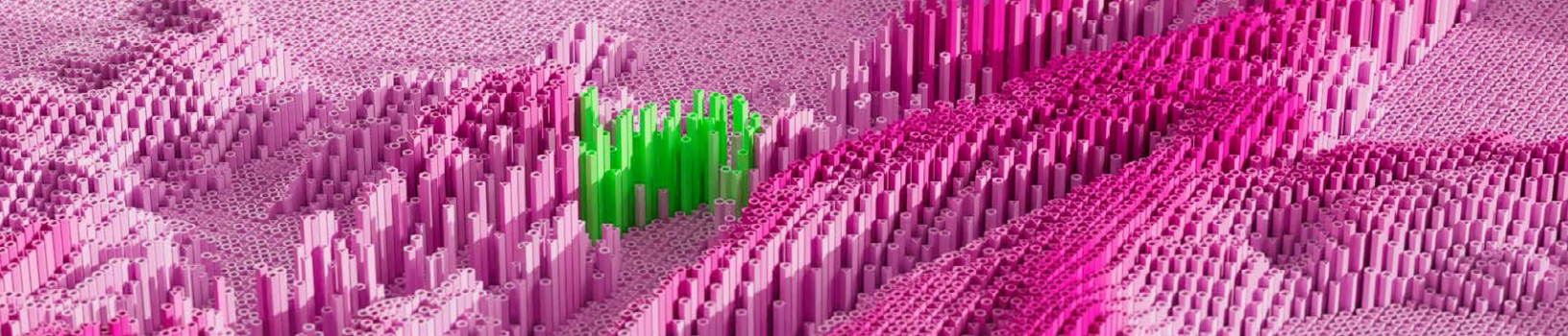
Through comprehensive training, engaging activities, and expert guidance, HackerOne's SAS cybersecurity workshops can supplement ongoing security programs to strengthen your organization's resilience and expand the adoption of security best practices so you can face the challenges of the digital world head-on.

"By embracing internal transparency, creating cross-departmental buy-in, and building relationships, we are taking important steps to create collaboration between our cybersecurity organization and other Sage teams."

Lucian Corlan
Senior Director, Application Security, Sage

HackerOne has vetted hackers for organizations including:

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