



# How Vulnerability Disclosure Keeps the Engine Humming

Jillian Burner, CISO, Ohio Secretary of State

Michiel Prins, Co-founder, Head of Professional Services, HackerOne



# Meet the speakers



**Jillian Burner, CISO, Ohio Secretary of State**

Jillian is an accomplished IT security expert with more than 13 years of experience in the public sector. Prior to joining the Ohio Secretary of State, she was the lead for Security and Privacy teams for organizations including The Ohio State University, Ohio Department of Administrative Services, the State of Ohio, and Ohio Cultural Facilities Commission.



**Michiel Prins, Co-founder, Head of Professional Services, HackerOne**

Michiel is an information security expert, researcher, hacker, and developer. Prior to founding HackerOne, Michiel co-founded a successful pentesting company that worked on projects for organizations from governments institutions to top technology companies including Twitter, Facebook, and Airbnb, among others.

# What is a VDP?

## **Vulnerability Disclosure Programs are Table Stakes**

- 1000s of global organizations have implemented VDPs, including The U.S. Department of Defense, Google, and General Motors

## **Adhere to Governmental Best Practices**

- In 2020, Department of Homeland Security released Binding Operational Directive (BOD 20-01), mandating all Federal Civilian Executive Branch agencies must develop and publish a VDP

## **Flexible Platform with On-Demand Expertise**

- Integrates with your existing business workflow
- Provides a team of experts to customize, manage, optimize, and scale your program and deliver expert guidance on interacting with hackers

# HackerOne by the Numbers

**300K+**

vulnerabilities resolved for customers

**1 in 5**

vulnerabilities found with a high or critical rating

**\$260M**

in bounties awarded to hackers

**25+ hackers**

surpassing \$1M in earnings

**3K+**

programs supported on the HackerOne platform:

Goldman Sachs

Frank LaRose  
Ohio Secretary of State

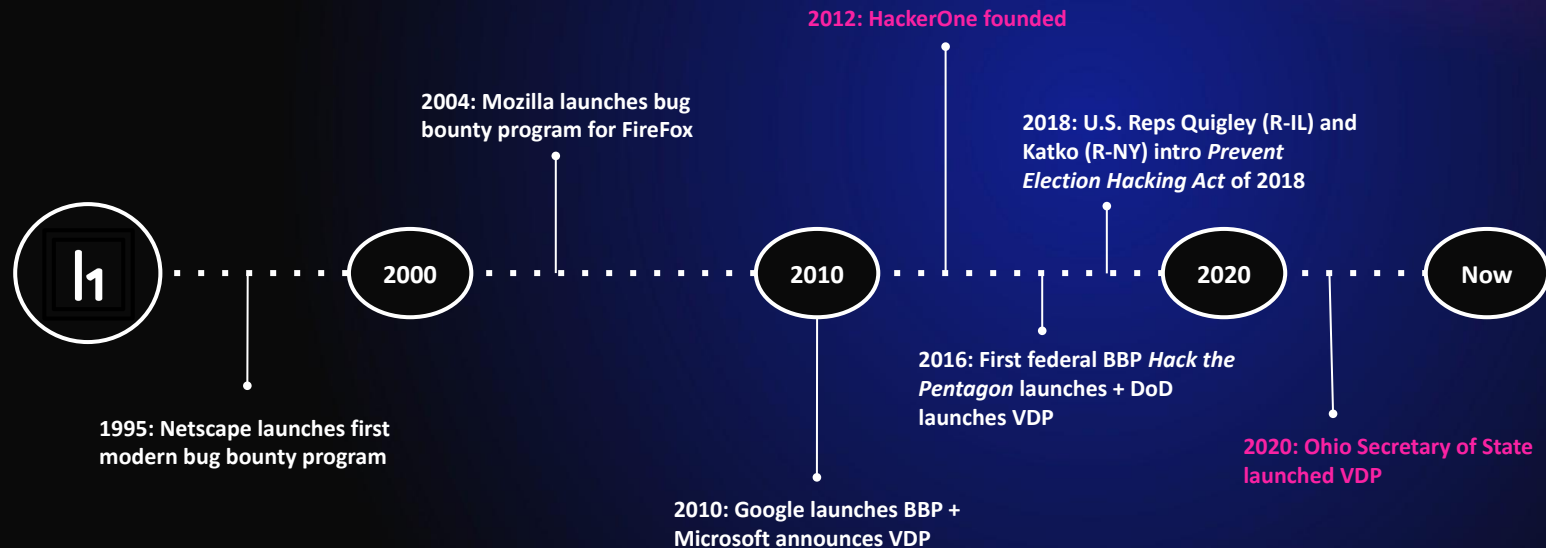


HYATT®

Google

hackerone

# History of hacker-powered security



# Government organizations face serious challenges

Breaches of US government organizations declined from 2021 to 2022, but breach impact has increased: **the average number of records affected per breach in 2021 was 40,440.**

**In 2022, it was more than 71,534.** ([source](#))

There is a cybersecurity skills gap in government. There are **more than 45,000 unfilled cybersecurity roles in the public sector** as of April 2023. ([source](#))

# Ohio Secretary of State defends against these challenges with their VDP

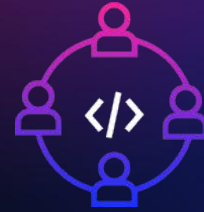
The VDP ensures:



**Reputation  
Protection**



**Know the  
Unknowns**



**Business  
Continuity**

# A VDP is a continuous watch on your digital assets



Jillian Burner, CISO, Ohio Secretary of State



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# Reducing risk with ethical hackers

A private VDP was launched in **2020** and went public in **2021**.

| Data Point                     | Lifetime to Date |
|--------------------------------|------------------|
| Total Submissions from Hackers | <b>222</b>       |
| Valid Unique Vulnerabilities   | <b>44</b>        |
| High and Critical Severity     | <b>12</b>        |

# Where we are, and where we're going

3

Years of VDP

44

Valid Vulnerabilities  
Surfaced

- Public-facing **reputation protection**
- Identify and remediate **blind spots**
- 24/7 security watch over our systems
- Adherence to governmental **best practices**
- **An extension of our team** with new areas of expertise
- **Better sleep at night**

**Questions?**

# Stay in touch

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# hackerone

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# Thank You!