CYBER SECURITY OPERATIONS ON THE FRONT LINES

KARL SCHEUERMAN
MANAGER, CROWDSTRIKE FALCON COMPLETE

KARL SCHEUERMAN

Manager, Falcon Complete

- 14 years in intelligence and information security
- Career
  - Air Force/Air Nat'l Guard
  - PNNL
  - CrowdStrike OverWatch and Falcon Complete
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AGENDA

- Thanks
- Pillars of defensive cyber operations
- Real world examples
- Career opportunities

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CYBER DEFENSE PILLARS

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KEY PILLARS TO EFFECTIVE CYBER DEFENSE OPERATIONS
(NOT AN EXHAUSTIVE LIST)

- Threat detection/prevention
- Threat hunting
- Incident response and remediation
- Threat intelligence
- Pen testing
- Security architecture, engineering support, etc.

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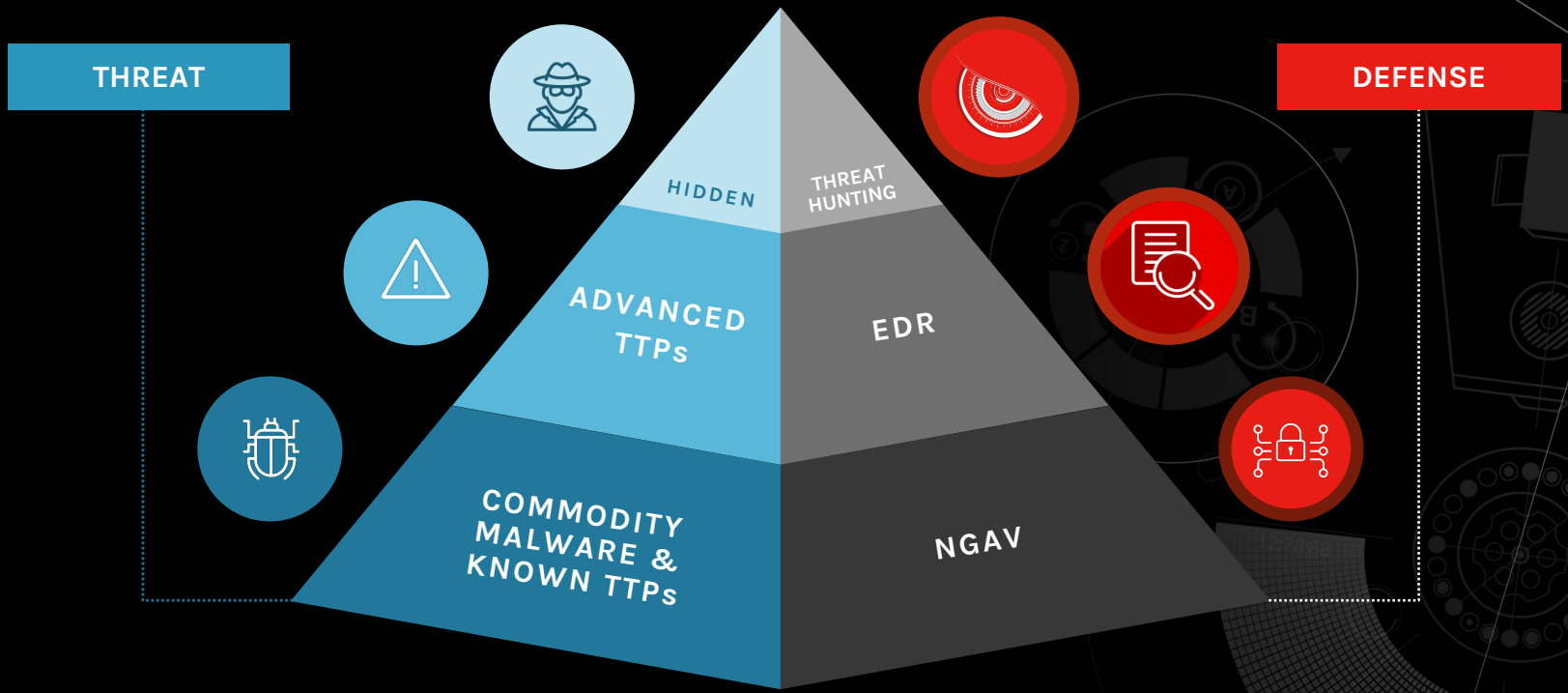
KEY COMPONENTS TO EFFECTIVE DEFENSE



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REAL WORLD EXAMPLES

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Interactive Intrusion Activity Over Time

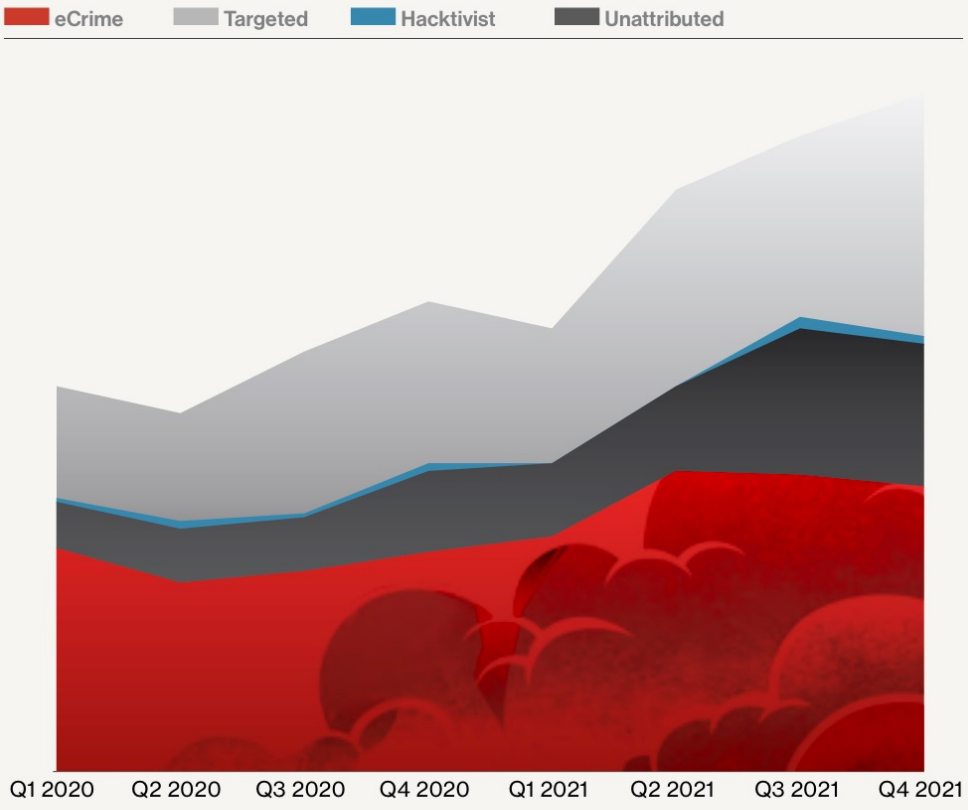

Figure 1. Quarterly Growth in Interactive Intrusion Campaigns by Threat Type, Q1 2020 to Q4 2021

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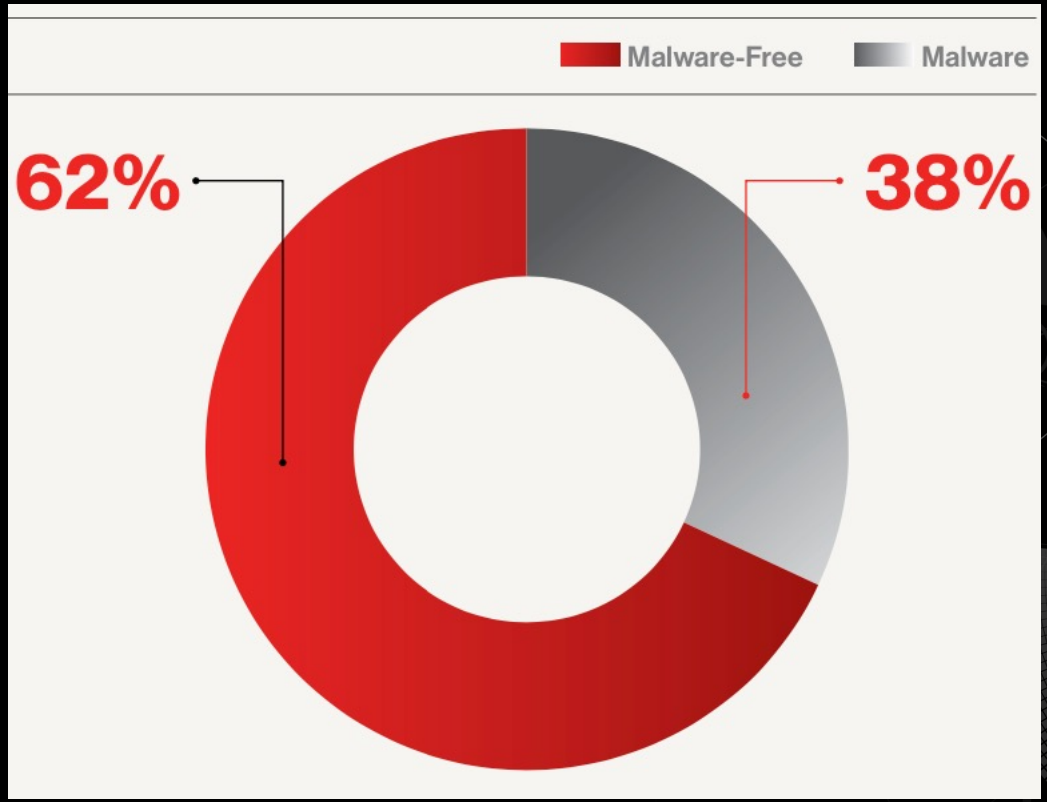
MALWARE VS. MALWARE-FREE ATTACKS

2021



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CAREER OPPORTUNITIES

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CROWDSTRIKE INTERNSHIPS

- Expecting ~230 interns globally this year
- Most internships are 12-weeks during the summer
  - Some remote, some in-office
  - Some extend into the school year
  - Many interns eventually become full-time employees
- Internships are paid
  - No relocation or housing allowance
- Qualifications
  - Pursuing Bachelors or higher
  - Returning to school after summer

- More information:
  - University recruiting careers page: https://www.crowdstrike.com/careers/university-interns/
  - Internship experience video: https://www.youtube.com/watch?v=RrnVIbiMaBQ
  - Talent community form if you want to stay in the loop for upcoming events and internship openings: https://forms.gle/eYspySfNc5MgNb3XA
  - Point of contact: university.recruiting@crowdstrike.com

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256TH INTELLIGENCE SQUADRON
WASHINGTON AIR NATIONAL GUARD

- WA Air National Guard has 4 cyber units
  - 262nd and 143rd COS at JBLM/Camp Murray
  - 256th IS and 242nd CBCS at Fairchild AFB

- Obligations
  - Up to 12-month initial training program (out-of-state)
  - 1 weekend per month + ~15 days of annual training per year
  - Maintain health and fitness standards

- Benefits
  - Real-world experience and skills training
  - Unparalleled networking for civilian careers
  - Health insurance
  - Tuition assistance
  - Security clearance
  - Salary
  - Retirement plan (up to 4% match) vested after just 2 years
  - Serve your country, state, and communities

If interested, connect with me on LinkedIn and send me a direct message there. Or you can call Sergeant Loren at 509-247-7598 (Tues-Fri, 7am – 4pm).

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QUESTIONS?

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