

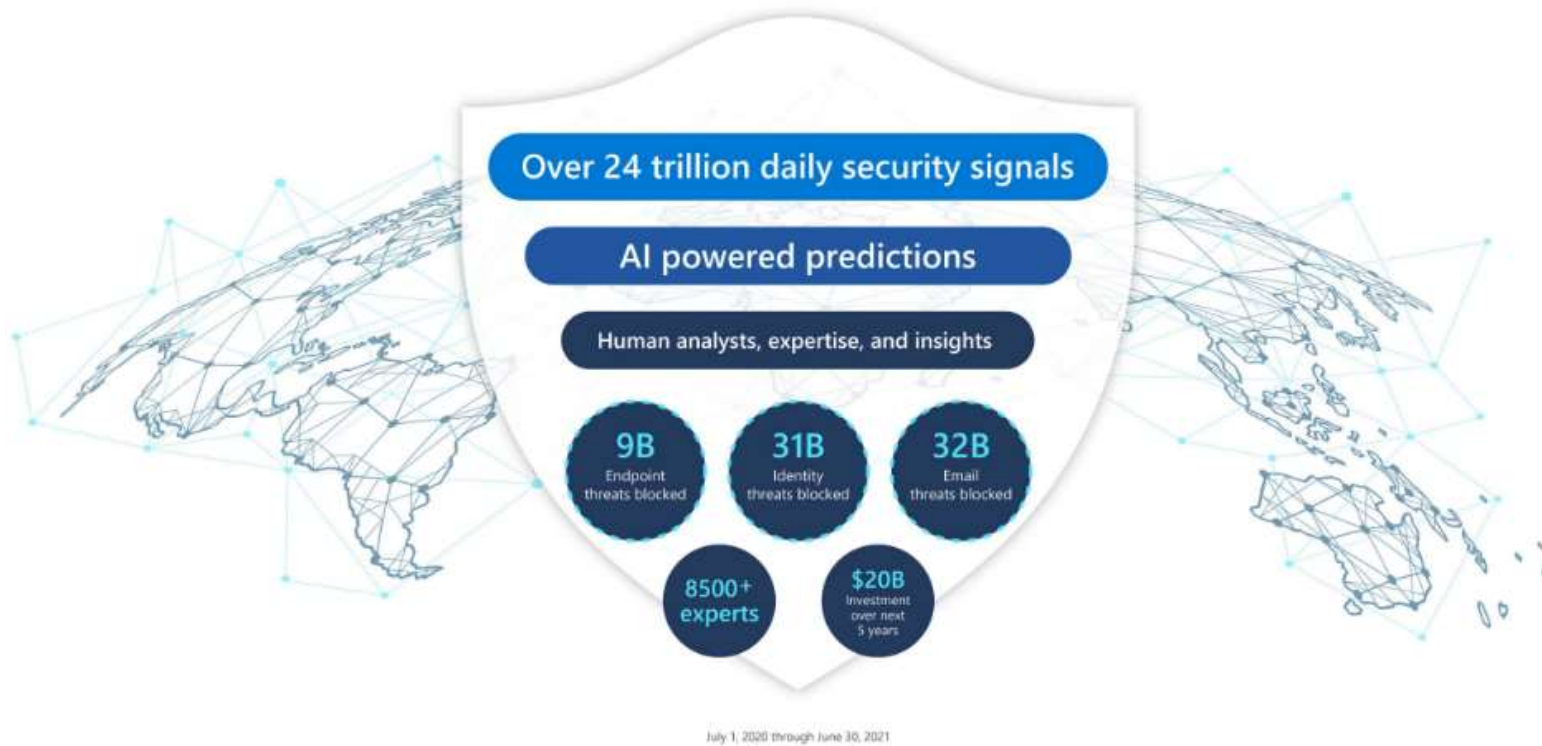


Advancing Oregon's Cybersecurity

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February 15, 2023

Microsoft security signals

Volume and diversity of signals processed by Microsoft



THE MICROSOFT
DIGITAL DEFENSE
REPORT DRAWS ON
INSIGHTS, DATA, AND
SIGNALS FROM
ACROSS MICROSOFT,
INCLUDING THE
CLOUD,
ENDPOINTS, AND
THE INTELLIGENT
EDGE.

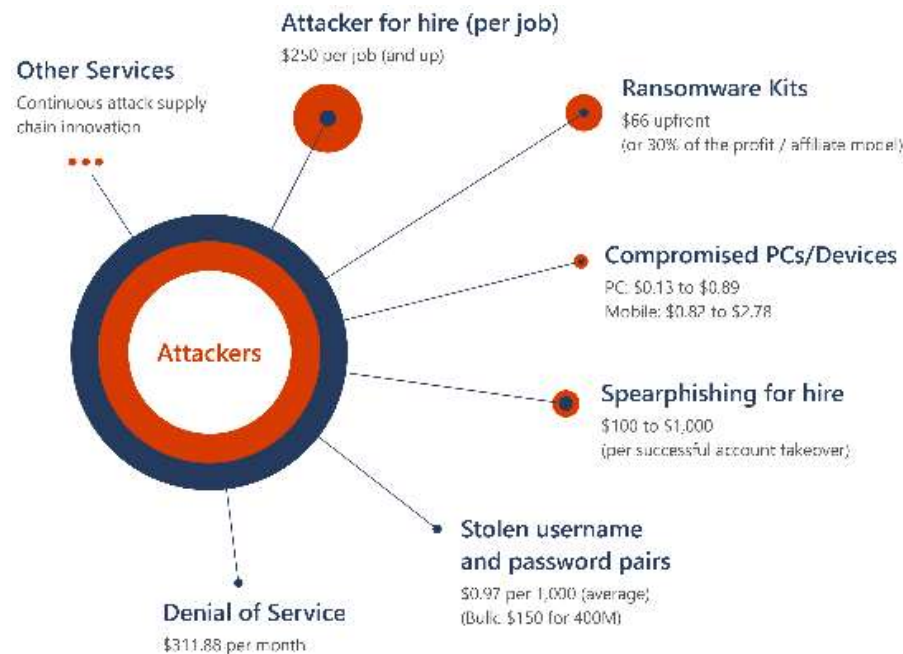
The state of cybercrime

- A threat to national security
- Cybercriminals attacking all sectors
- Ransomware attacks increasingly successful
- Cybercrime supply chain continues to mature

POSITIVE TRENDS

- Transparency: governments and companies coming forward
- Priority: new laws, task forces, resources, partnerships

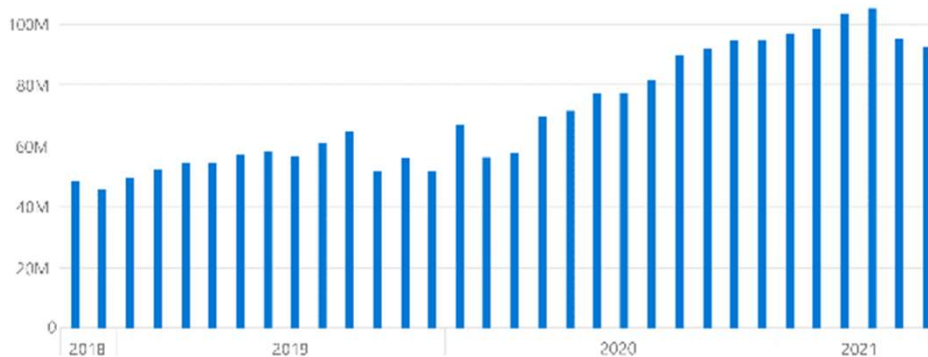
The cybercrime economy and services



WITH NO TECHNICAL KNOWLEDGE OF HOW TO CONDUCT A CYBERCRIME ATTACK, AN AMATEUR THREAT ACTOR CAN PURCHASE A RANGE OF SERVICES TO CONDUCT THEIR ATTACKS WITH ONE CLICK.

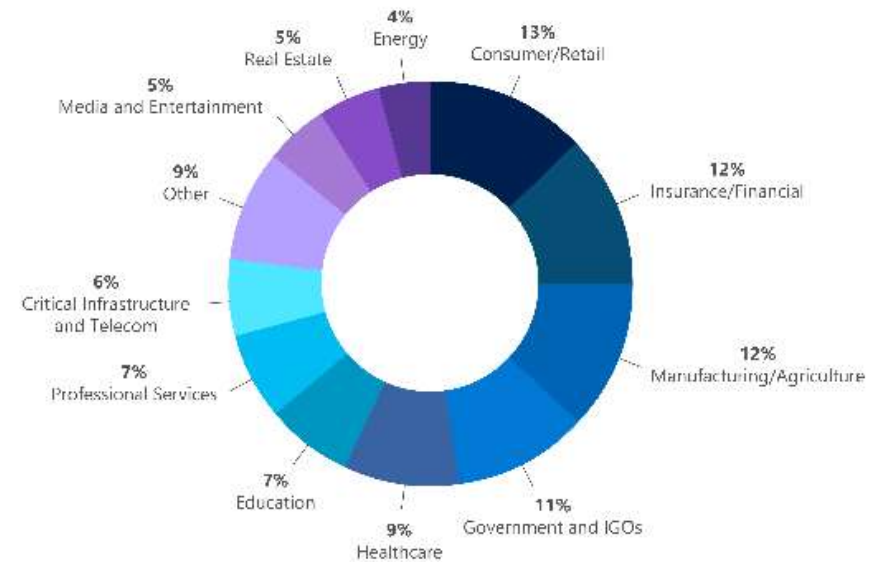
What we're seeing in ransomware data and signals

Ransomware encounter rate (machine count): Enterprise customers (Defender data)



Overall increase in ransomware encounters, with notable surge to consumer and commercial encounters in late 2019,6 when RaaS started to grow, and in early 2020 at the onset of the COVID-19 pandemic.

DART ransomware engagements by industry (July 2020-June 2021)



Deploy ransomware protection

- Prepare a recovery plan**
Recover without paying
- Limit the scope of damage**
Protect privileged roles
- Make it harder to get in**
Incrementally remove risks

The stakes have changed. There is a massive growth trajectory for ransomware and extortion.

The cybersecurity bell curve:

Basic security hygiene still protects



Zero Trust across the digital estate



VISIBILITY
AUTOMATION
ORCHESTRATION

SOME KEY THEMES IN THE REPORT:

- INTEGRATE CYBERSECURITY INTO BUSINESS DECISION MAKING
- TREAT CYBER AS A BUSINESS RISK
- RESILIENCE INCLUDES CYBERSECURITY

Microsoft's commitment to accelerate cybersecurity



MODERNIZE



SECURE



DEFEND



Benefits available to US State and select Local Governments

Modernize legacy software: productivity products including Windows, Exchange and SharePoint

One-year advanced protection package

Zero Trust guidance for configuration

Custom deployment services

Training for government IT and Security teams

Urgent action is needed to address the cybersecurity skills crisis



Cyberattacks threaten our privacy, national security, and our daily lives.



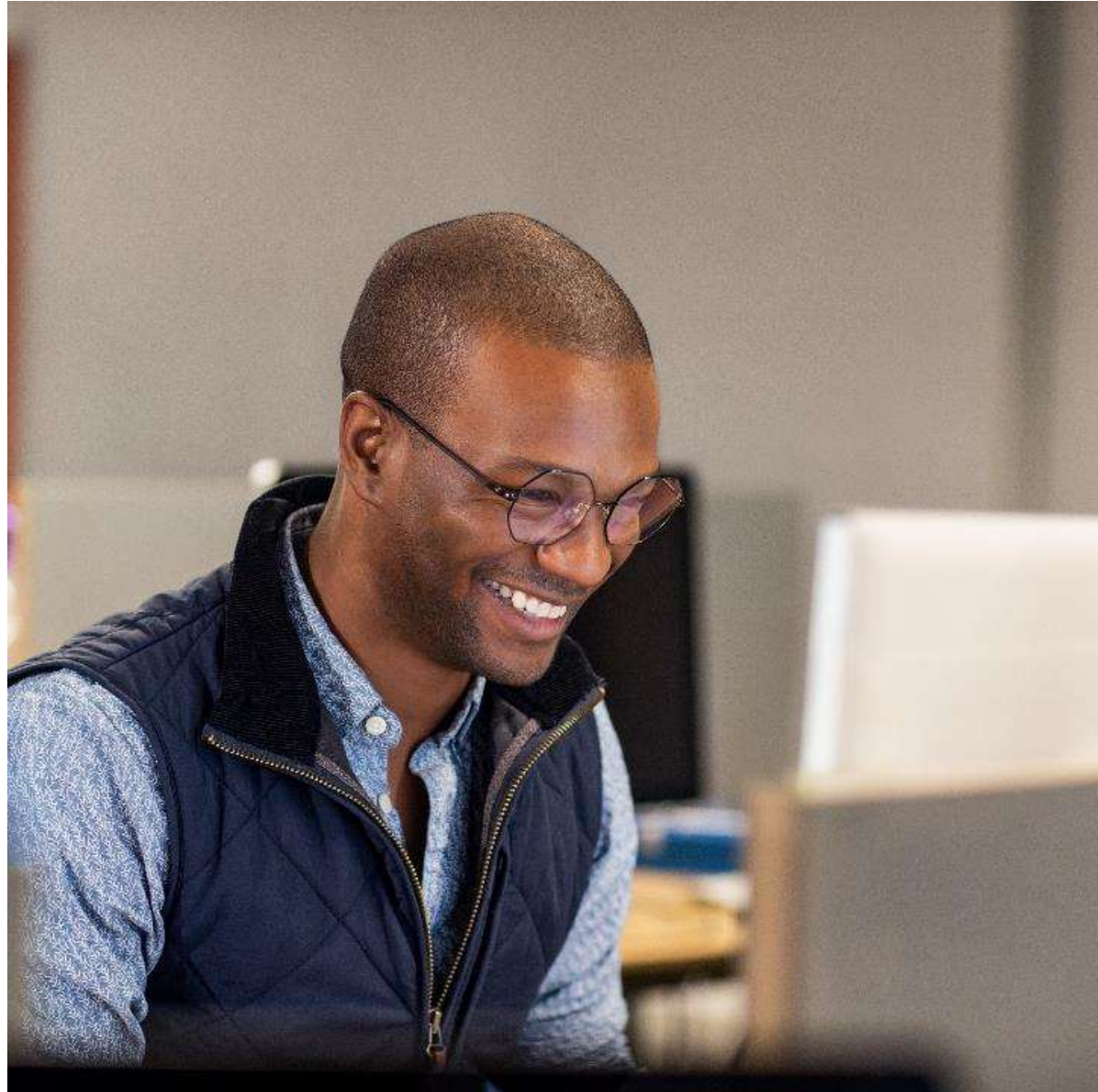
Only 3% of US students are attaining a credential in computer and information sciences, far fewer specialize in cybersecurity.



With nearly 500,000 open cybersecurity roles in the US, skills in cybersecurity can help launch students into high-growth, high-paying jobs.

Our commitment

Help skill 250,000 people in cybersecurity by 2025—starting with new community college and nonprofit partnerships—to cut the US talent gap by 50%



Supporting Oregon with cybersecurity resources



Faculty professional development support



Community of practice to support expanding cybersecurity programs



Scholarships for low-income students including Veterans



Ready-to-teach curriculum and teaching materials



View the Digital Defense Report report

<https://aka.ms/MDDR>

Learn more about Microsoft's Cybersecurity Community College commitment:

[Microsoft on the Issues](#)

Learn more about Microsoft in Government

<https://www.microsoft.com/government>

Thank you