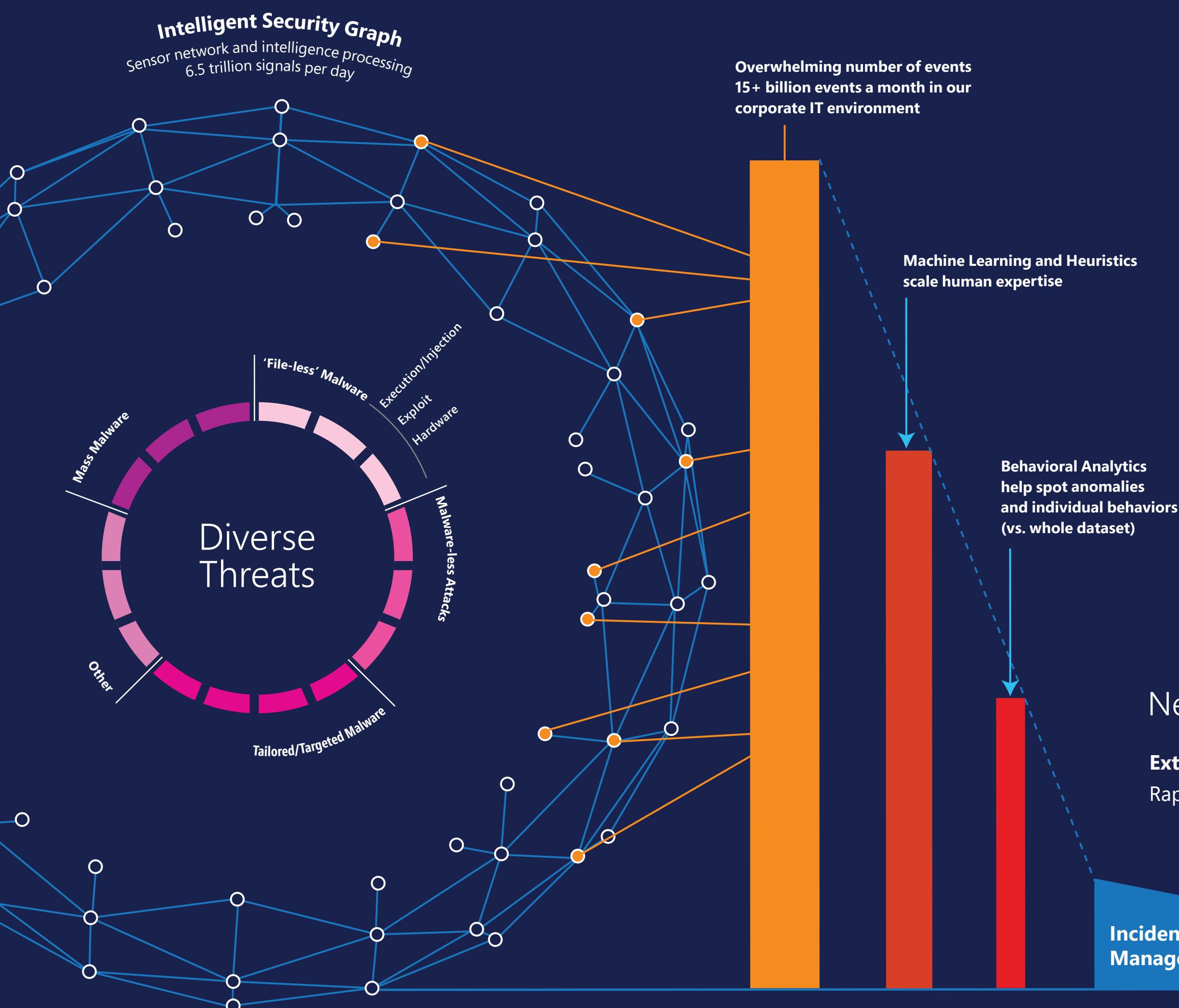


# Minutes matter.

In cybersecurity, the time of experts is the scarcest resource



## Corporate IT defense

### Learnings and recommended practices from Digital Security and Risk Engineering (DSRE) SOC

The enterprise IT SOC mission always comes first when selecting tools.

Microsoft security capabilities have replaced many third-party tools by:

- Reducing investigation time for common incidents from hours to minutes
- Increasing analyst productivity by reducing false positives and integrating solutions
- Meeting scalability needs of environments using the cloud services model
- Manage cloud and on-premises assets as a single hybrid enterprise
- Focus on signal diversity for intelligence to provide critical insights across endpoint, identity, email, network, and more

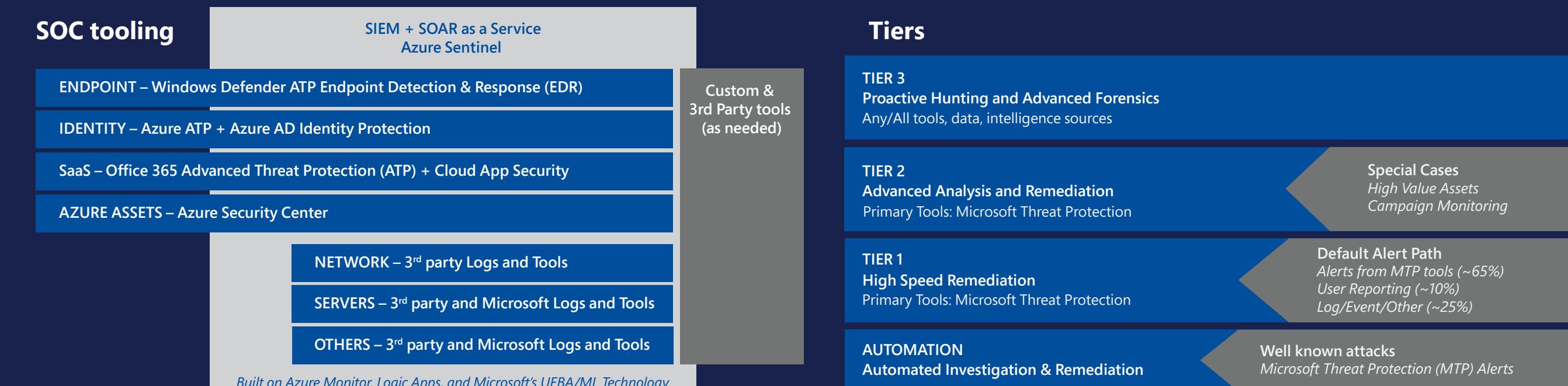
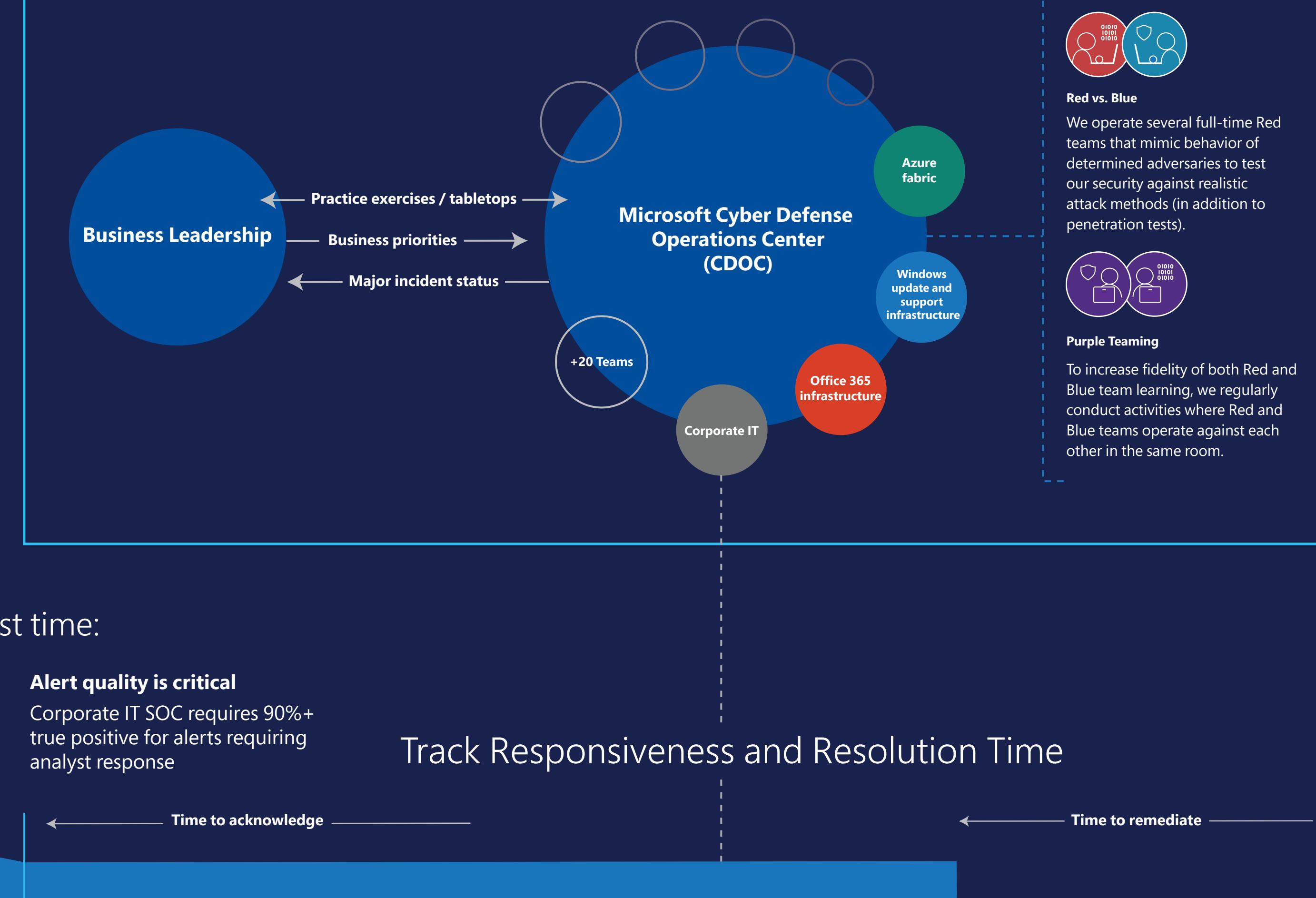
#### Key observations

Attackers think in graphs (interconnecting access paths), so defenders need to see their environment this way too  
Cloud-scale tools handle most enterprise IT SOC needs (though specialized tools can supplement as needed)

# Protect. Detect. Respond.

## Fusion center model of Cyber Defense Operations Center (CDOC)

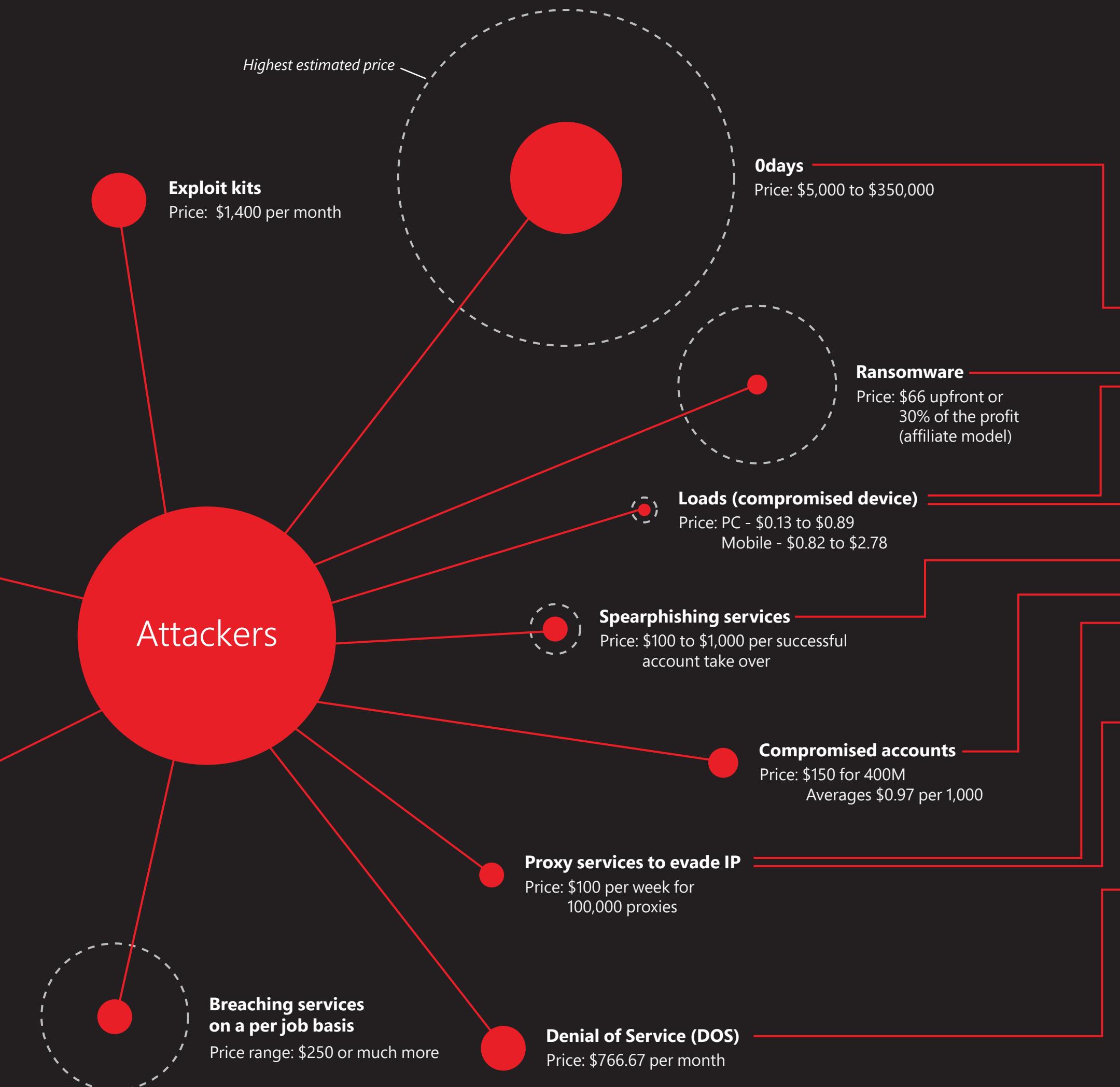
Microsoft utilizes a fusion center model to bring together our Security Operations Center (SOC) teams in shared facilities. While not needed for all organizations, this approach helps us maintain deep specialization while sharing situational awareness and subject matter expertise across teams.



# Motivation matters.

Understanding attacker motivations is key to disrupting attacks and defending your assets

Dark Market Products are notably inexpensive with a few exceptions (like zero days).



You face an ecosystem, not just individual attackers



Dark Markets are the criminal forums where a wide range of attack tools, services, and data are traded. This is an industrialized economy with specialization of skills, products, services, and profit models. The attackers you face are very likely to utilize these markets as they prepare their attack campaigns.



## Leading the fight against cybercrime

DCU focuses on disrupting cybercrime through civil actions and referrals to law enforcement so that criminals are held accountable and our customers are protected. Information uncovered during our investigations is also used in technical countermeasures and Microsoft product improvements. Our focus areas are:



**Cloud Crime and Malware** – Applying unique legal and technical solutions to investigate and disrupt malware facilitated cybercrime and nation-state sponsored activity targeting our customers and cloud services.



**Global Strategic Enforcement** – Driving enforcement actions against global online criminal networks who specialize in business email compromise, credential misuse, online fraud, and intellectual property theft with a focus on protecting customer security.



**Tech Support Fraud** – Leveraging data analytics and machine learning to tackle one of the most significant global cybercrimes through investigations and enforcement, technological disruptions and education.



**Online Child Exploitation** – Building on our legacy of PhotoDNA to prevent and deter the distribution of online child sexual abuse material to better protect customers and stop revictimization of some of the most vulnerable.

## Microsoft Digital Crimes Unit (DCU)

DCU is leading the fight against cybercrime to protect our customers and promote trust in Microsoft. We fight cybercrime globally through the innovative application of technology, forensics, civil actions, criminal referrals, and public/private partnerships while committed to protecting the security and privacy of our customers.

