DENUVO
by ir.deto

Datasheet

Cyber Services for Video Gaming

Cybercrime has become one of the largest threats to the video gaming industry. It negatively affects business models, brand reputation, productivity and profitability.

We believe a comprehensive and continuously evolving approach is necessary to secure video games and their publishers. In fact, we are your partner for any cybersecurity needs and issues. Our Cyber Services help game publishers and developers to secure PC, console and mobile games and mitigate the piracy threats that jeopardize valuable revenue. These services complement our game protection offerings, to ensure end-to-end protection of content.

SERVICES

Threat Risk Assessment and Intelligence

Our highly trained security consultants perform security assessments in our forensic laboratory including software application and infrastructure vulnerability scanning, wireless security testing, system configuration reviews and remote access vulnerability testing. Combining expert analyst interaction with automated tools ensures we detect and gather data on a wide range of threats from the open, deep and dark web.

Brand Protection

Criminals take advantage of unsuspecting consumers to sell pirated or counterfeit pieces of software on a global scale. To minimize business risk, it is essential to rapidly block the online sale and distribution of pirated and counterfeit products. We search for illegal use of your brand in the context of promoting illegal software or devices, so that the online sale and distribution of illegal products and services can be quickly disrupted.

Investigations and Enforcement

Our investigations and enforcement teams recognize the importance of identifying, preventing and defending against cybercrime and understand how best to support our clients and take appropriate action against these threat actors proactively or reactively to a cybersecurity issue having occurred. We leverage our security consulting and law enforcement expertise for individual casework preparation.

Cybersecurity Expertise

Our Cybersecurity includes services to assess and manage your cybersecurity posture such as security management, penetration testing, attack surface management, cyber resilience programs, hardware hacking, code reviews and reverse engineering of software (yours or cheats/hacks).

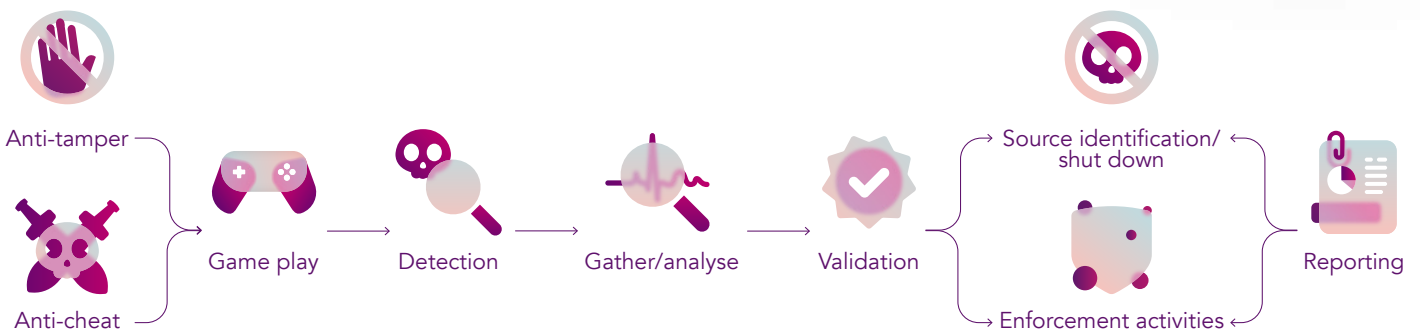Our end-to-end cyber services for video gaming look as follows:

Figure 1. End-to-end solution

UNDERSTANDING THE VIDEO GAME THREAT LANDSCAPE

To have a clear understanding of this landscape, we need to know: what assets need to be protected? What are the actual threats? Who are the main threat actors? What are the primary areas of focus?

We see it as follows:

Assets
The assets that need protection include game logic and content, in-game economies, intellectual property and game delivery infrastructure.

Threats
The primary threats to video games are cracking, hardware/software hacking, cheating, payment fraud and account takeovers.

Threat actors
Cracking community/release groups, cheat developers, malicious hackers and cybercriminals.

Focus
We strive to focus on content and data protection and integrity.

An overview of the primary video game threat vectors is displayed below:

Game Platform and Application Hacking
Hardware and software hacking of consoles, PC, Mobile. Includes controller automation and scripting

3rd Party Advantage Tools
Tools and services that aim to provide their customers additional virtual resources

Client Side Cheating Tools and Services
Stand alone software that allows users to cheat such as bots, scripts and trainers

DRM and Anti-Cheat
Hacking focused on circumventing or breaking DRM and Anti-Cheat

Account Related Attacks, Fraud & Theft
Attacks targetting user and corporate accounts

Ecosystem Exploitation
Phishing, social engineering, ransomware, malware, DDOS

Figure 2. Video game threat vectors

Irdeto is the world leader in digital platform security, protecting platforms and applications for video entertainment, video games, connected transport, connected health and IoT connected industries. The **Denuvo** team at Irdeto is the world leader in gaming security, protecting games on desktop, mobile, console and VR devices. We provide core technology and services for game publishers/platforms, independent software vendors, e-publishers and video publishers across the globe. Denuvo technology enables binary protection for games and enterprise applications across multiple platforms, including desktops (Windows), consoles, VR devices and mobile gaming. Denuvo's gaming security technology prevents revenue loss for game publishers and disruptive, undesirable cheating in the gaming environment.

To learn more, please visit **www.denuvo.com**