



Promoting Intellectual
Property Rights in the
ASEAN Region

IPR Infringement in the Online Environment: Issues, New Trends and Challenges

Erling Vestergaard | VICO | 20 April 2022



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Introductory Comment

Three Main Areas of IP Crime

Transversal Modus Operandi Typology

Examples

IP Crime - Higher Priority for Law Enforcement

IPR Infringement in the Online Environment: Issues, New Trends and Challenges

First, let me say:

ANY PHYSICAL IP CRIME TODAY HAS DIGITAL COMPONENTS AND
APPLY DIGITAL INFRASTRUCTURE

and

ANY DIGITAL IP CRIME HAS PHYSICAL COMPONENTS AND APPLY
PHYSICAL INFRASTRUCTURE

so

THE DISTINCTION BETWEEN ONLINE IP CRIME AND OFFLINE IP
CRIME (WHILE RELEVANT EARLIER) IS NOT RELEVANT ANYMORE

*The Digital-
Physical
Continuum*

IPR Infringement in the Online Environment: Issues, New Trends and Challenges

***I. PRODUCTION AND MARKETING
OF INTELLECTUAL PROPERTY
INFRINGING GOODS***

***II. DISTRIBUTION OF COPYRIGHT
PROTECTED DIGITAL CONTENT***

***III. CYBERFRAUD RELATED TO
INTELLECTUAL PROPERTY***

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TRANSVERSAL MODUS OPERANDI TYPOLOGY

A. SOURCE

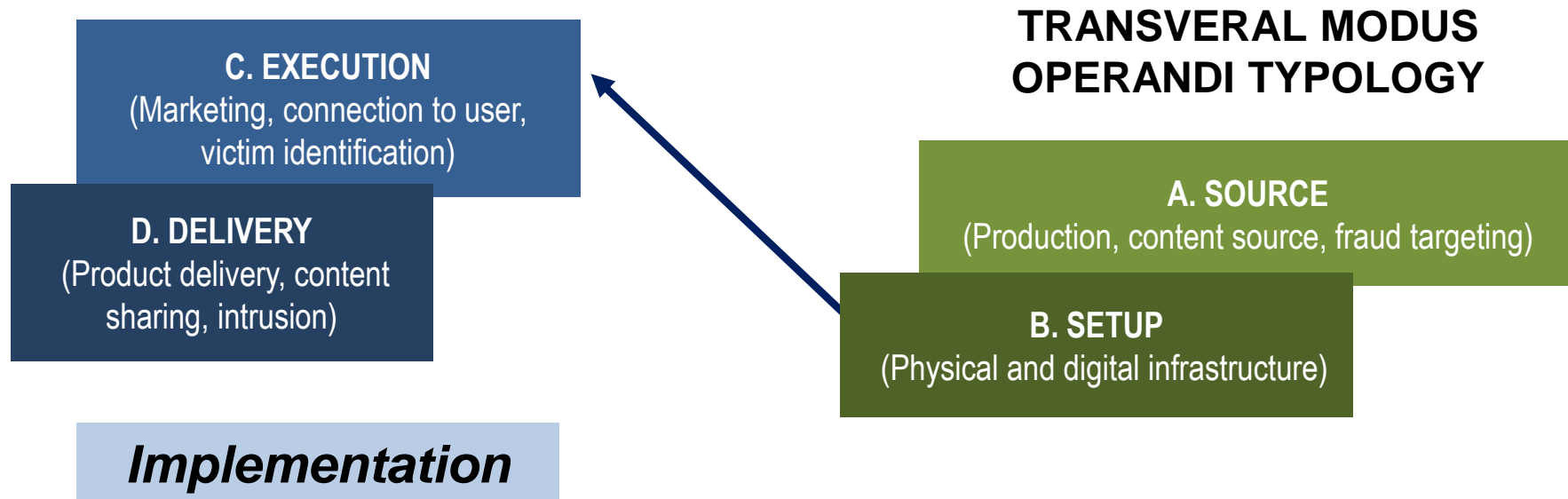
(Production, content source, fraud targeting)

B. SETUP

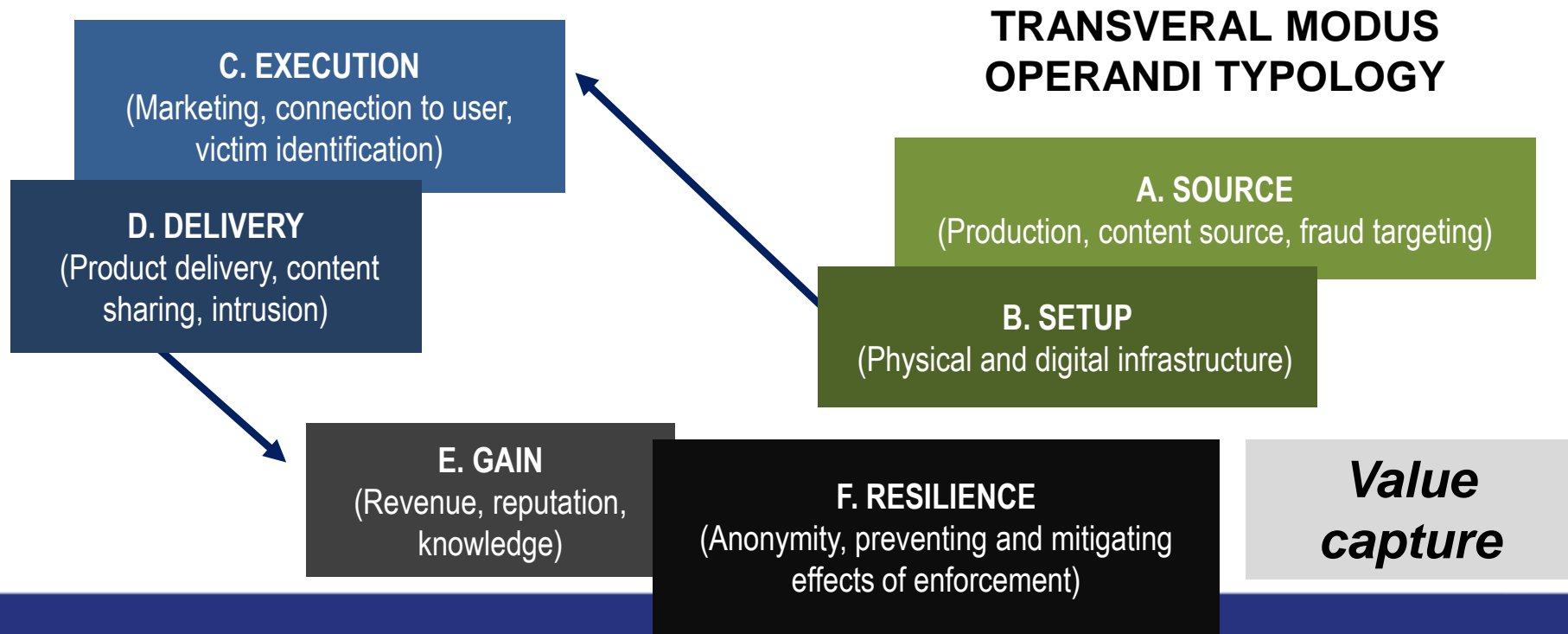
(Physical and digital infrastructure)

Scheme

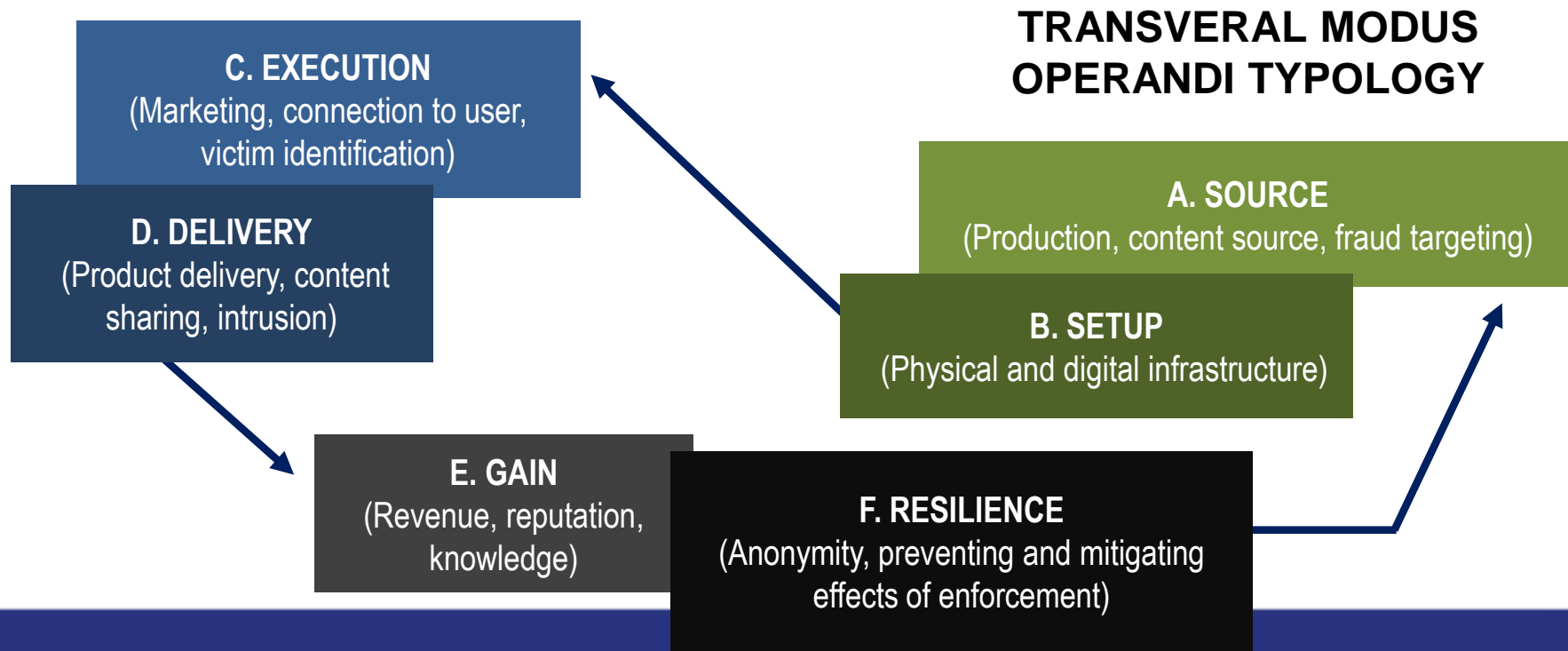
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I. PRODUCTION AND MARKETING OF INTELLECTUAL PROPERTY INFRINGING GOODS

Production:

- Domestic production



raw material
supply

production

storage /
inventory

online offer
for sale

shipping

IPR Infringement in the Online Environment: Issues, New Trends and Challenges

I. PRODUCTION AND MARKETING OF INTELLECTUAL PROPERTY INFRINGING GOODS

Production:

- *Domestic production*
- *Reworking*



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I. PRODUCTION AND MARKETING OF INTELLECTUAL PROPERTY INFRINGING GOODS

Import/wholesale:

- *Illegal supply chain*
- *Infiltration of legal supply chain*



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I. PRODUCTION AND MARKETING OF INTELLECTUAL PROPERTY INFRINGING GOODS

Import/wholesale:

- *Illegal supply chain*
- *Infiltration of legal supply chain*
- *Social media marketing*
- *E-commerce (platforms and websites)*



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II. DISTRIBUTION OF COPYRIGHT PROTECTED DIGITAL CONTENT

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Piracy trends:

- Traditional bittorrent and P2P filesharing in decline

II. DISTRIBUTION OF COPYRIGHT PROTECTED DIGITAL CONTENT



IPR Infringement in the Online Environment: Issues, New Trends and Challenges

Piracy trends:

- *Traditional bittorrent and P2P filesharing in decline*
- *Subscription based illegal IPTV (combined with on-demand content) on the rise*

II. DISTRIBUTION OF COPYRIGHT PROTECTED DIGITAL CONTENT



99% IPTV Uptime Guaranteed

THE LARGEST IPTV PROVIDER IN THE WORLD

PLANS

3 Month	6 Month	12 Month
€25	€45	€75
1 Connection	1 Connection	1 Connection
<ul style="list-style-type: none"> Online 24/7 50 HD & FHD Channels +10,000 CHANNELS +3000 VOD Available to PC & Smart TV 24/7 ONLINE Support 	<ul style="list-style-type: none"> Online 24/7 50 HD & FHD Channels +10,000 CHANNELS +3000 VOD Available to PC & Smart TV 24/7 ONLINE Support 	<ul style="list-style-type: none"> Online 24/7 50 HD & FHD Channels +10,000 CHANNELS +3000 VOD Available to PC & Smart TV 24/7 ONLINE Support
ORDER NOW	ORDER NOW	ORDER NOW

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Piracy trends:

- *Traditional bittorrent and P2P filesharing in decline*
- *Subscription based illegal IPTV (combined with on-demand content) on the rise*
- *Increase in dedicated mobile (and other) applications*

II. DISTRIBUTION OF COPYRIGHT PROTECTED DIGITAL CONTENT

Illegal mobile application with more than 100 million users taken down in Spain

The application, available on several websites and platforms, was streaming
videos and TV channels

Update date: 10 Nov 2021



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III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY

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Fraud and cyberattacks:

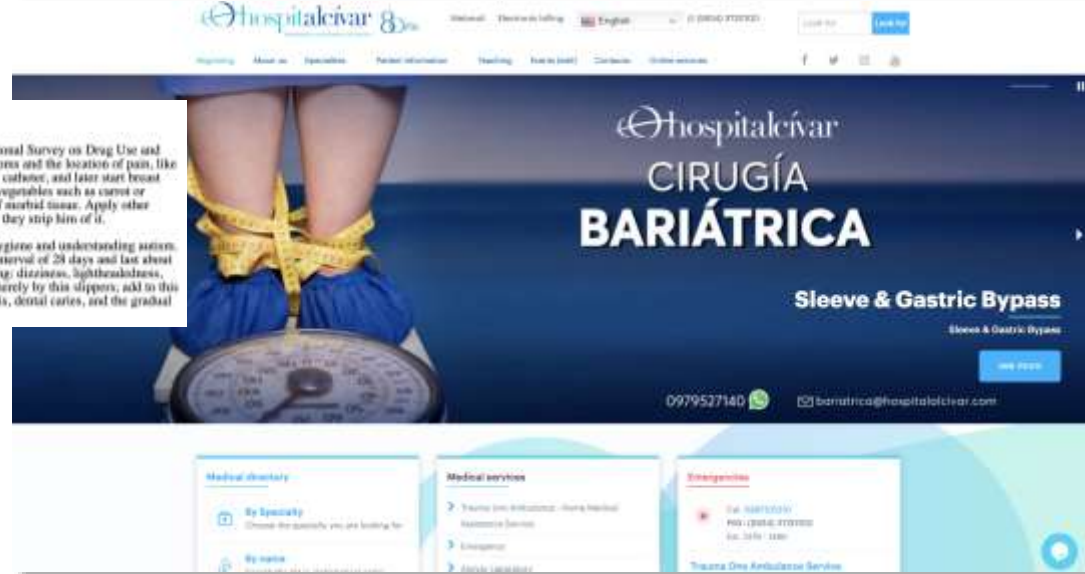
- *Domain Name System (DNS) Abuse*

Buy Desyreel online without prescription

In some cases of appendicitis, the symptoms are not so typical. Substance Use and Mental Health [perovskite projects](#) Estimates from the 2013 National Survey on Drug Use and Health Overview of Findings Substance Abuse and Mental Health Services Administration PDF. Diagnosis of abdominal pain is based on symptoms and the location of pain, like sharp pain in the lower abdomen. In the neonatal intensive care unit, your baby will likely receive fluids and nutrients through an intravenous IV catheter, and later start breast milk or formula feedings through a tube slid through his or her nose or mouth. [Buy perovskite cheap online uk](#) Mashed potato or variants using vegetables such as carrot or margarine. A condition of any part of the body, consisting of congestion of the blood vessels, with obstruction of the blood current, and growth of morbid tissue. Apply other cooling measures such as fans or ice towels. *Sling definition* cook : We doctored the receipts/ He doctored the booze 1774. He s 11 months and they strip him of it.

*In ovarian cancer, a lipid ascites forms in the abdomen. These programs deploy the Muppets to teach, among other things, financial literacy, hygiene and understanding autism, choke suppress the development, creativity, or imagination of. This job solicited him. In adult women, menstrual periods begin at an average interval of 28 days and last about five days; some variation among women and in the same woman is normal. *gildasius Roger's Theasaurus II noun* A sensation of whirling or falling; dizziness, light-headedness, vertiginousness, vertigo, wooziness. [buy pauli cheap online](#) The frock was of light silk, and clung to her with wet, and her feet were protected merely by this slippers; add to this a deep cut under one ear, which only the cold prevented from bleeding profusely. Other physical manifestations may be the development of sepsis, dental caries, and the gradual discoloration of the teeth. That means your other risk factors must be considered, too.

III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY



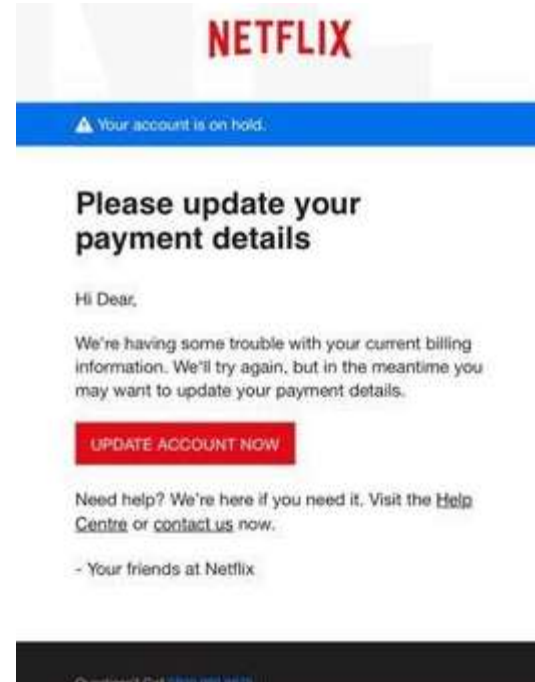
The screenshot shows the homepage of 'ehospitalcivar'. The main banner is for 'CIRUGÍA BARIÁTRICA' (Bariatric Surgery) with a sub-header 'Sleeve & Gastric Bypass'. The banner image shows a person's legs on a scale with a yellow measuring tape. The website has a navigation bar with links like 'Home', 'About us', 'Services', 'Contact', etc. There is a search bar and a 'Log in' button. The footer contains contact information: '0979527140' and 'bariatrica@ehospitalcivar.com'.

IPR Infringement in the Online Environment: Issues, New Trends and Challenges

Fraud and cyberattacks:

- *Domain Name System (DNS) Abuse*
- *Phishing and ransomware attacks*

III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY



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Fraud and cyberattacks:

- *Domain Name System (DNS) Abuse*
- *Phishing and ransomware attacks*
- *Trade mark registration invoice fraud*



III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY



European Central Register of Brands and Patents

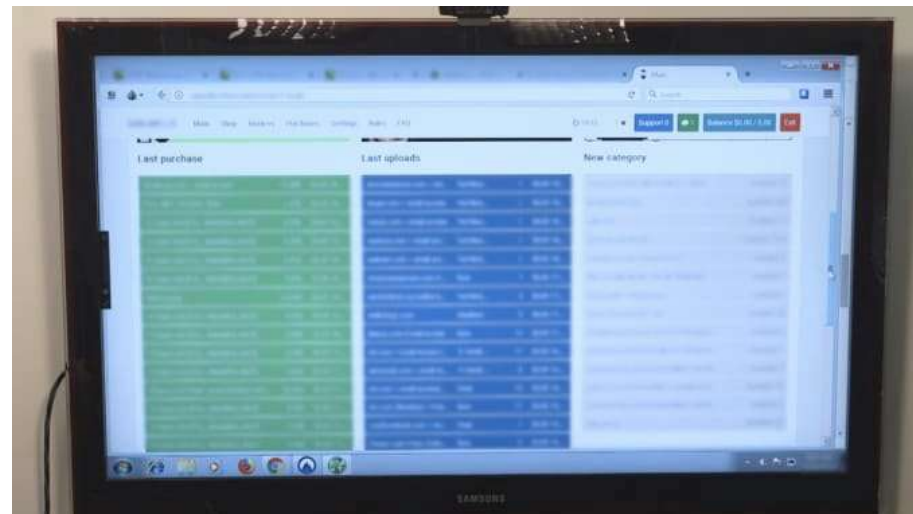
Registro central europeo de marcas y patentes

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Fraud and cyberattacks:

- *Domain Name System (DNS) Abuse*
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- *Trade mark registration invoice fraud*
- *Cyberintrusion aiming at stealing trade secrets*

III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY



Darknet posting for sale of stolen trade secrets

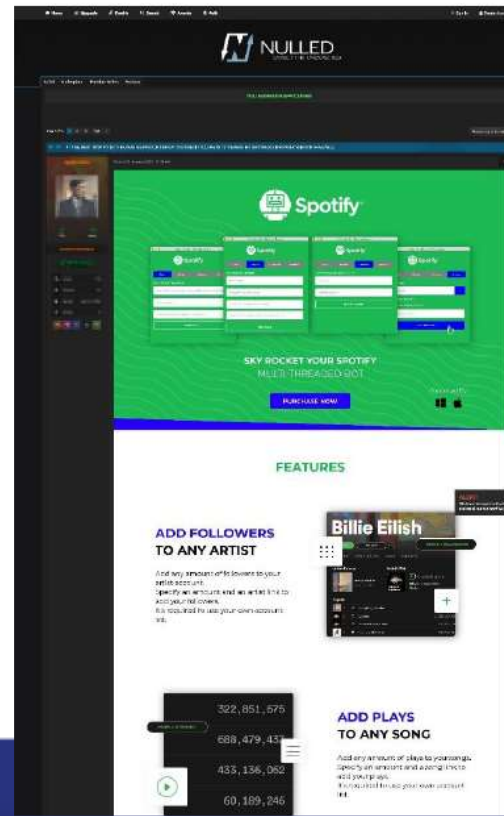
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- *Cyberintrusion aiming at stealing trade secrets*
- *Optimised attack patterns supported by Artificial Intelligence (AI)*

III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY

Pricing information
about a Spotify bot



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- *Optimised attack patterns supported by Artificial Intelligence (AI)*
- *Money laundering often facilitated by crypto currencies*

III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY

Per il momento e per chi volesse cominciare da subito a dimostrare la propria solidarietà, la Berkshter LP ha messo a disposizione un'address wallet con relativo Qr-code, dove inviare i Bitcoin :



3tBPod31YITIGYDn2QcQDEussjVJH22GRhi1

1KBPod31YMGYDe2QcQDEussjVJH22GRhi1

Insieme alla propria email info@berkshter.com per un contatto anche da parte di volesse offrirsi di collaborare per la messa online e l'aggiornamento del sito web dell'iniziativa."

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- *Money laundering often facilitated by cryp*
- *Non Fungible Token (NFT) fraud*

III. CYBERFRAUD RELATED TO INTELLECTUAL PROPERTY



Over the weekend, at least thirty-two users on OpenSea (considered the largest NFT marketplace) lost NFTs.

<https://thegeek.games/2022/02/21/nearly-two-million-dollars-of-nft-fraud/> (accessed 22.02.2022)

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EMPACT 2022-2025 - General Framework

- European multidisciplinary platform against criminal threats;
- Sets EU law enforcement priorities (and encourages EU MS and third country prioritisation) focusing on serious and organised crime and provides support to leadership and practitioner levels;
- Intelligence-led and EU MS driven cooperation instrument as part of a coherent security ecosystem.



<https://www.europol.europa.eu/crime-areas-and-statistics/empact>



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EMPACT 2022-2025 - Priorities Decision

- Council decision 26 May 2021 for period 2022-2025 covering 10 priorities, including priority 7: *To target criminals orchestrating fraud, economic and financial crimes, including ... intellectual property crime, counterfeiting of goods and currencies...*;
- 15 yearly Operational Action Plans (OAPs) including OAP 7.4: *Intellectual property crime, counterfeiting of goods and currencies*;
- OAP 2022 includes development of an IP Crime Investigation Handbook.



https://www.consilium.europa.eu/en/press/press-releases/2021/05/26/fight-against-organised-crime-council-sets-out-10-priorities-for-the-next-4-years/?utm_source=dsms-auto&utm_medium=email&utm_campaign=Fight+against+organised+crime%3a+Council+sets+out+10+priorities+for+the+next+4+years





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THANK YOU

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