

Black Market, Surface Web, Deep Web, Dark Web, Illegal Trade - Impact on Business

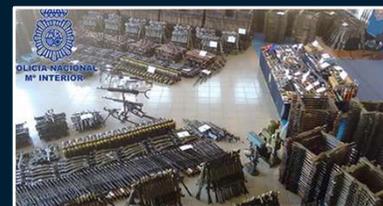
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What is the Black Market?

Illicit sale of commodities in violation of government price-fixing, rationing, or prohibitions.

- Originated in Europe during World War I
- Phenomena of times of crisis
- Flourished throughout World War II in the United States
- SIZE: Annual size of Black Market in foodstuffs was estimated at \$1.2 billion (1944)



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Illegal Trade in the Black Market




Sexual Exploitation and Forced Labor

- Prostitution

Personal Information

- Personally identifying information
- Financial information
- Medical data

Illegal Drugs

- Recreational drugs

Weapons

Animals and Animal Products

- Hunted and sold as pets
- Meat, hide, and organs

Biological Organs



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How Businesses, Governments, and Tech Industries are affected?

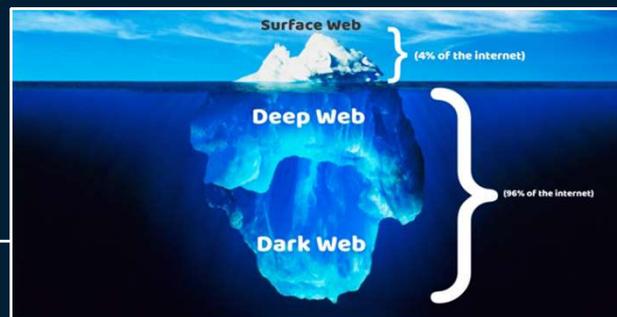
Businesses	Government	Tech Industries
<p>Effects of Black Market in Businesses:</p> <ul style="list-style-type: none"> - Drives out legitimate industries - Deliberate shortages in goods - Ransom <p>Safety Measures:</p> <ul style="list-style-type: none"> - Better internal controls on information. 	<p>Effects of Black Market in the Government:</p> <ul style="list-style-type: none"> - Lost revenue from tax free transactions <p>Safety Measures:</p> <ul style="list-style-type: none"> - Legalization/regulation - Example: Marijuana 	<p>Effects of Black Market in Tech Industries:</p> <ul style="list-style-type: none"> - Digital market for illegal trade <p>Safety Measures:</p> <ul style="list-style-type: none"> - Close monitoring of digital assets. - Sharpened cybersecurity.

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What is the Surface Web?

Surface Web is what is considered to be the tip of the iceberg that constitutes less than 5% of entire web content. It is the smallest portion of the World Wide Web (www invented by Tim Berner-Lee in 1990) that is readily accessible to the general public by utilizing major search engines (i.e. GOOGLE, YAHOO & BING) and browsers (i.e. CHROME, INTERNET EXPLORER, FIREFOX & Microsoft Edge).

Generally we use the surface web for daily activities such as; social networking, catching up on news around the world, doing research and even shopping. However, many web pages are not accessible which will lead you to the next layer of the web: DEEP WEB.



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Illegal Trade in the Surface Web

Transaction Laundering (TL): A new advanced form of money laundering that occurs when cyber criminal takes advantage of an ecosystem by funneling unknown transactions through unrelated merchant accounts.

For example: A drug dealer sets up a merchant account claiming they're selling clothes, shoes & accessories, etc. But in reality the account is created to Justify the amount of money being collected from Selling drugs or illegal weapons.



Image credit: Image source: Shutterstock/Sergey Nivens

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How Businesses, Governments, and Tech Industries are affected?

This is how Transaction Laundering is affecting businesses, government & tech industries;e following:

- 1) **BUSINESSES:**
 - a) Damages financial sector institutions that are critical for economic growth.
 - b) Promotes crimes that will slow economic growth.
 - c) Reduces efficiency in the real sector of the economy.
- 2) **GOVERNMENT:**
 - a) Loss of revenue & indirectly harms honest tax payers.
 - b) Makes government tax collection difficult.
 - c) Higher tax rates due to loss.
- 3) **TECH INDUSTRIES:**
 - a) Funnels accounts that are owned by legitimate businesses that accept credit card payments processing systems such as: mobile payments, IN-APP mobile payments & mobile wallets.

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What is the Deep Web?

Any area of the internet not indexed by search engines

Also known as: Hidden Internet, Invisible Web, and Dark net

- Search engines cannot find the deep web
- Access requires specialized knowledge, software or password
- Accounts for 90% of websites on the web

Common uses:

- Financial accounts (banking and retirement)
- Private forums and social media accounts
- Webmail and messaging platforms
- Private enterprise databases
- HIPAA sensitive information (medical documentation)
- Legal files



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What is the Deep Web?

Largest Parts of the Deep Web:

Databases

- Public and privately protected file collections
- Searchable within the database itself
- 54% of websites are databases

Intranets

- Internal networks for enterprise, governments, and educational facilities



World's Largest Databases:

1. US National Oceanic and Atmospheric Administration
2. NASA
3. Patent and Trademark Office
4. Securities and Exchange Commission (SEC)

Rank	URL	Title	Description	Date	Status	Type	Website
1	http://www.navy.mil/	U.S. Navy	Official website of the United States Navy	2010-01-01	Active	Government	www.navy.mil
2	http://www.nasa.gov/	NASA	National Aeronautics and Space Administration	2010-01-01	Active	Government	www.nasa.gov
3	http://www.uspto.gov/	USPTO	United States Patent and Trademark Office	2010-01-01	Active	Government	www.uspto.gov
4	http://www.sec.gov/	SEC	Securities and Exchange Commission	2010-01-01	Active	Government	www.sec.gov

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Uses of Deep Web

1. Access to information not available in the Surface Web
2. Privacy/Anonymisation
3. Illegal Activities

Is it legal?

Using softwares to access the Deep Web (which includes the Dark Web) is not unlawful.

It is illegal to carry out illegal acts such as accessing child pornography, promoting terrorism, and illegal trade.



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What is the Dark Web?

Definition

- Hidden network of sites
- “Secret” web browser
- Exists on darknets
- Portion of Deep Web

Common uses

- Anonymous internet activity
- Legal and illegal applications
- Evasion of government



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Illegal Activities in the Dark Web

Illegal activities

- Terrorism
 - ◆ Weaponry selling and making
- Child pornography
- Black Market
- Hacking/Scamming

Financial Crimes

- Phishing
- Bank info theft
- Personal info theft



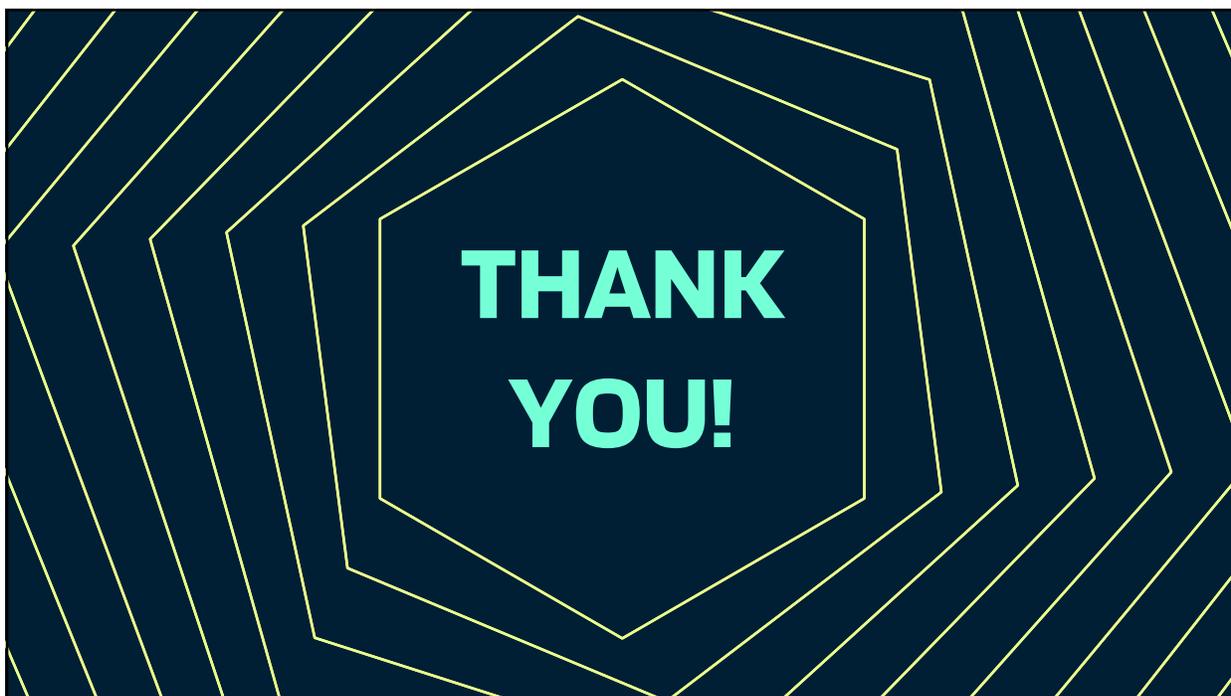
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Government Action



- Same “crime-fighting” method
 - Search for suspicious sites/activities
 - Develop enough evidence for arrest or suspension
- Enhancement of skills and tech
 - Infiltration of cybercriminals
 - Catching terrorist groups
 - FBI cooperation

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