The Surface Web,  
The Deep Web,  
The Dark Web & Bitcoins  

Some Information You Can Use ...  
And Some Not So Much!

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Prescott Computer Society  
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The Internet is really **BIG**!

An exabyte is 1,000,000,000,000,000,000,000 bytes
A Bit About Bytes …

<table>
<thead>
<tr>
<th>Term</th>
<th>Bytes</th>
<th>One</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kilobyte (KB)</td>
<td>1,000</td>
<td>Thousand</td>
</tr>
<tr>
<td>Megabyte (MB)</td>
<td>1,000,000</td>
<td>Million</td>
</tr>
<tr>
<td>Gigabyte (GB)</td>
<td>1,000,000,000</td>
<td>Billion</td>
</tr>
<tr>
<td>Terabyte (TB)</td>
<td>1,000,000,000,000</td>
<td>Trillion</td>
</tr>
<tr>
<td>Petabyte (PB)</td>
<td>1,000,000,000,000,000</td>
<td>Quadrillion</td>
</tr>
<tr>
<td>Exabyte (EB)</td>
<td>1,000,000,000,000,000,000</td>
<td>Quintillion</td>
</tr>
<tr>
<td>Zettabyte (ZB)</td>
<td>1,000,000,000,000,000,000</td>
<td>Sextillion</td>
</tr>
<tr>
<td>Yottabyte (YB)</td>
<td>1,000,000,000,000,000,000,000</td>
<td>Septillion</td>
</tr>
</tbody>
</table>

Looks good …
But not quite right!
<table>
<thead>
<tr>
<th>Name</th>
<th>Equal to:</th>
<th>Size in Bytes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit</td>
<td>1 bit</td>
<td>1/8</td>
</tr>
<tr>
<td>Nibble</td>
<td>4 bits</td>
<td>1/2 (rare)</td>
</tr>
<tr>
<td>Byte</td>
<td>8 bits</td>
<td>1</td>
</tr>
<tr>
<td>Kilobyte</td>
<td>1,024 bytes</td>
<td>1,024</td>
</tr>
<tr>
<td>Megabyte</td>
<td>1,024 kilobytes</td>
<td>1,048,576</td>
</tr>
<tr>
<td>Gigabyte</td>
<td>1,024 megabytes</td>
<td>1,073,741,824</td>
</tr>
<tr>
<td>Terabyte</td>
<td>1,024 gigabytes</td>
<td>1,099,511,627,776</td>
</tr>
<tr>
<td>Petabyte</td>
<td>1,024 terabytes</td>
<td>1,125,899,906,842,624</td>
</tr>
<tr>
<td>Exabyte</td>
<td>1,024 petabytes</td>
<td>1,152,921,504,606,846,976</td>
</tr>
<tr>
<td>Zettabyte</td>
<td>1,024 exabytes</td>
<td>1,180,591,620,717,411,303,424</td>
</tr>
<tr>
<td>Yottabyte</td>
<td>1,024 zettabytes</td>
<td>1,208,925,819,614,629,174,706,176</td>
</tr>
</tbody>
</table>
What comes after Yottabytes?

- Some proposals ...
  - Brontobyte (1000 Yottabytes)?
  - Geobyte (1000 Brontobytes?)
    - Gegobytes
    - Geopbytes
  - Hellabyte (1000 Yottabytes)?
  - Ninabytes (1000 Yottabytes)?
  - Tenabytes (1000 Ninabytes)?

Let’s get that up to date!

- Internet Users in the world: 3,380,381,241
- Total number of Websites: 1,033,572,125
- Emails sent today: 206,794,384,848
- Google searches today: 4,346,516,188
- Blog posts written today: 4,034,538
- Tweets sent today: 576,090,038
- Videos viewed today on YouTube: 9,865,470,698
- Photos uploaded today on Instagram: 57,755,057
- Tumblr posts today: 89,514,229

http://www.internetlivestats.com/
The Surface Web

- **Surface Web**
  - The surface Web (also known as the Visible Web, Indexable Web, or Clearnert) is the portion of content on the World Wide Web that may be indexed by popular search engines.
- **How is the surface web created?**
  - Search engines construct a database of pages on the Internet through the use of programs called Web spiders. The spider receives a copy of each page and catalogues it, keeping the appropriate information for quick retrieval at a later date. When a new page is linked, it is eventually inspected by the spiders and added to the list of reachable pages; the surface Web. Any pages that cannot be found in this manner are part of what is referred to as the deep Web.
http://www.statisticbrain.com/total-number-of-pages-indexed-by-google/

<table>
<thead>
<tr>
<th>Google Server Statistics</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of Google servers</td>
<td>920,000</td>
</tr>
<tr>
<td>Total size of Google’s index data</td>
<td>100,000,000 GB</td>
</tr>
<tr>
<td>Percent of worldwide electricity used by Google’s data center</td>
<td>0.01 %</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Pages Indexed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>30,000,000,000,000,000</td>
</tr>
<tr>
<td>2013</td>
<td>22,000,000,000,000,000</td>
</tr>
<tr>
<td>2012</td>
<td>17,000,000,000,000,000</td>
</tr>
<tr>
<td>2011</td>
<td>12,000,000,000,000,000</td>
</tr>
<tr>
<td>2010</td>
<td>6,000,000,000,000,000</td>
</tr>
<tr>
<td>2009</td>
<td>3,000,000,000,000,000</td>
</tr>
<tr>
<td>2008</td>
<td>1,000,000,000,000,000</td>
</tr>
<tr>
<td>2000</td>
<td>1,000,000,000</td>
</tr>
<tr>
<td>1998</td>
<td>26,000,000</td>
</tr>
</tbody>
</table>
Thus far …

- Everything you have done on the Web has been on the **Surface Web**
- It’s Huge
- It’s growing exponentially
- You’ll likely never run out of the answers, information, images, videos and music you are looking for.
- But as usual …
BUT WAIT, there's more!
There’s Also the Deep Web

- The Deep Web refers to any Internet information or data that is inaccessible by a search engine and includes all Web pages, websites, intranets, networks and online communities that are intentionally and/or unintentionally hidden, invisible or unreachable to search engine crawlers.

- The Deep Web is also known as Hidden Web, Undernet, Deepnet or Invisible Web.
The Deep Web

• Techopedia explains Deep Web
• Coined by Mike Bergman, the Deep Web term relates to deep sea/ocean environments that are virtually invisible and inaccessible. Technically, the Deep Web is a series of interconnected systems that are not indexed by search engines and only directly accessible by their creators or individuals with very limited privileges.
• The Deep Web contains data that is dynamically produced by an application, unlinked or standalone Web pages/websites, non-HTML content and data that is privately held and classified as confidential.
• Some estimate the size of the Deep Web as many times greater than the visible or Surface Web.
Surface visible web
( ~20 % )

Deep invisible web
( ~80 % )

Specialized databases with dedicated search engines
Non-conventional formats
Paid information
Dynamic webpages
Restricted access information

Juanicó – Environmental Consultants Ltd.
The Deep Web

- Google searches the Surface Web (Visible Web)
  - Approximately **300 Trillion Pages**
- Google can’t see the Deep Web pages
- Deep Web pages are within specialized databases – not formatted as web pages
  - Estimated many times the size of the Surface Web
How to Search the Deep Web

- The WWW Virtual Library
  - http://vlib.org/

- Deep Web Research Tools
  - http://www.weitzenegger.de/content/?page_id=2321

- Deep Web Search – A How-To Site
  - http://deep-web.org/how-to-research/deep-web-search-engines/
More Deep Web Search Resources

- Search the Invisible Web: 20 Resources
  - [http://websearch.about.com/od/invisibleweb/tp/deep-web-search-engines.htm](http://websearch.about.com/od/invisibleweb/tp/deep-web-search-engines.htm)

- How to search the *Dark* Web

- 10 Search Engines to Explore the Invisible Web
Where to find Deep Web Databases

• University of California Berkeley Library
  • http://www.lib.berkeley.edu/find/types/articles.html

• How to Search the Deep Web
  • http://www.wikihow.com/Search-the-Deep-Web

• How to Mine the Invisible Web: The Ultimate Guide
  • http://websearch.about.com/od/invisibleweb/a/ultimate-guide-deep-web.htm
Further Reading

- The Ultimate Guide to the Invisible Web
  - http://oedb.org/ilibrarian/invisible-web/
- White Paper: Understanding the Deep Web in 10 Minutes
  - http://www.brightplanet.com/2013/03/whitepaper-understanding-the-deep-web-in-10-minutes/
Digital Public Library of America

- http://dp.la/
A Major Component of the Deep Web ...

- The Library of Congress
  - [https://www.loc.gov/](https://www.loc.gov/)
- It’s the National Library of the United States
More Deep Web Info

- 7 things you probably don't know about the hidden 'deep' web (ZD/Net)
- What are some positive uses for the Dark/ Deep Web?
- HONG KONG PUBLIC LIBRARIES e-Databases
  - [https://www.hkpl.gov.hk/en/e-resources/e-databases/home/all/1](https://www.hkpl.gov.hk/en/e-resources/e-databases/home/all/1)
- The New York Times
More Deep/Dark Web Resources

- 10 things you didn't know about the Dark Web

- The Dark Web as You Know It Is a Myth
  - [https://www.wired.com/2015/06/dark-web-know-myth/](https://www.wired.com/2015/06/dark-web-know-myth/)

- The Ultimate Guide to the Invisible Web
  - [http://oedeb.org/ilibrarian/invisible-web/](http://oedeb.org/ilibrarian/invisible-web/)

- What is the Dark Web? How to access the Dark Web. What's the difference between the Dark Web and the Deep Web?
  - [http://www.pcadvisor.co.uk/how-to/internet/what-is-dark-web-how-access-dark-web-deep-joc-beautfiulpeople-3593569/](http://www.pcadvisor.co.uk/how-to/internet/what-is-dark-web-how-access-dark-web-deep-joc-beautfiulpeople-3593569/)

- Journey Into The Hidden Web: A Guide For New Researchers

- What Is the Deep Web? It’s More Important Than You Think
Deep Web Research Websites

- **Library of Congress**
  - https://www.loc.gov/

- **Harvard Library**
  - http://library.harvard.edu/

- **UCLA Library**
  - https://www.library.ucla.edu/

- **UCI Libraries**
  - https://www.lib.uci.edu/eresources

- **UC Davis**
  - https://www.lib.ucdavis.edu/ul/research/
StarWars
On a
Subway!

https://www.youtube.com/watch?v=J5gCeWEGiQI
The Internet (more or less)

You can turn a computer on. Yay.

You must be really bored.

Either use a proxy, or say hi to the FBI.
Tor is the Browser used TO access the Dark Web

- **What is Tor?** *(According to the creator of Tor)*
  - Tor is free software and an open network that helps you defend against traffic analysis, a form of network surveillance that threatens personal freedom and privacy, confidential business activities and relationships, and state security.

- **Why Anonymity Matters**
  - Tor protects you by bouncing your communications around a distributed network of relays run by volunteers all around the world: it prevents somebody watching your Internet connection from learning what sites you visit, and it prevents the sites you visit from learning your physical location.

- [https://www.torproject.org/](https://www.torproject.org/)
The Dark Web and the TOR Browser

- The TOR (the onion routing) browser is a web browser designed for **anonymous web surfing** and protection against traffic analysis.

- Here’s What Tor’s Data Looks Like as It Flows Around the World

- Here is the map as of 1/12/2016
  - [https://torflow.uncharted.software/](https://torflow.uncharted.software/)
What Tor is good for...

• Tor is a legitimate service used by individuals living under repressive governments worldwide to communicate outside the reach of intelligence services.

• Much of the content on Tor, however, is illegal under U.S. law.

• Really Private Browsing: An Unofficial User’s Guide to Tor
How Can I Stay Anonymous with Tor?

Where is Tor?  

https://www.torproject.org/

Anonymity Online
Protect your privacy. Defend yourself against network surveillance and traffic analysis.

Download Tor

What is Tor?
Tor is free software and an open network that helps you defend against traffic analysis, a form of network surveillance that threatens personal freedom and privacy, confidential business activities and relationships, and state security.

Learn more about Tor »

Why Anonymity Matters
Tor protects you by bouncing your communications around a distributed network of relays run by volunteers all around the world. It prevents somebody watching your Internet connection from learning what sites you visit, and it prevents the sites you visit from learning your physical location.

Get Involved with Tor »
An Up-To-Date Layman's Guide To Accessing The Deep Web (they mean **Dark Web**)

- From FastCompany magazine (*Adult language alert*)

- How To Access The Deep Web (Tor)
- Where To Go Once You're On The Inside
- New Sites To Explore

First of all, what are you looking for?
- Drugs? Guns? Assassins? Credit cards or counterfeit cash
- Could be a treacherous journey.
- Don't say I didn't warn you.
IS IT LEGAL?

YES You use it as you would any other Internet browser. Many people are now beginning to use TOR as a way of maintaining their privacy whilst online.

WHO ELSE USES IT

MILITARY

POLICE

JOURNALISTS

WHISTLEBLOWERS

Edward Snowden

Julian Assange
After obtaining a list of Tor nodes from a directory server, the user’s Tor client picks a random series of nodes to the destination server. If the user visits another site at a later time, a second random path will be chosen to the new destination.
Best Alternatives to Tor Browser to Browse Anonymously

- Tor alternative #1: I2P
- Tor alternative #2: Tails
- Tor alternative #3: Subgraph OS
- Tor alternative #4: Freenet
- Tor alternative #5: Freepo

http://fossbytes.com/best-alternatives-to-tor-browser-to-browse-anonymously/
The Dark Web is scary ...

• Guns, drugs and other illegal products bought and sold
• All sorts of illegal activities occur *(hire a hit man?)*
• It’s really not that hard to find out how to access it
• Anyone accessing these sites is in effect (MAYBE) totally anonymous and therefore cannot be traced
  • There are other steps you must take to protect anonymity
• Payments on many of these websites are nearly totally anonymous as they operate in the decentralized anonymous currency of *Bitcoins*
• Silk Road is a famous example of a Deep Web site that was found and dismantled
What’s available on the Dark Web?

<table>
<thead>
<tr>
<th>Category</th>
<th>#. items</th>
<th>Pct.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weed</td>
<td>3338</td>
<td>13.7%</td>
</tr>
<tr>
<td>Drugs</td>
<td>2207</td>
<td>9.0%</td>
</tr>
<tr>
<td>Prescription</td>
<td>1784</td>
<td>7.3%</td>
</tr>
<tr>
<td>Benzos</td>
<td>1193</td>
<td>4.9%</td>
</tr>
<tr>
<td>Books</td>
<td>955</td>
<td>3.9%</td>
</tr>
<tr>
<td>Cannabis</td>
<td>880</td>
<td>3.6%</td>
</tr>
<tr>
<td>Hash</td>
<td>821</td>
<td>3.4%</td>
</tr>
<tr>
<td>Cocaine</td>
<td>633</td>
<td>2.6%</td>
</tr>
<tr>
<td>Pills</td>
<td>473</td>
<td>1.9%</td>
</tr>
<tr>
<td>Blotter</td>
<td>441</td>
<td>1.8%</td>
</tr>
<tr>
<td>Money</td>
<td>406</td>
<td>1.7%</td>
</tr>
<tr>
<td>MDMA (ecstasy)</td>
<td>393</td>
<td>1.6%</td>
</tr>
<tr>
<td>Erotica</td>
<td>385</td>
<td>1.6%</td>
</tr>
<tr>
<td>Steroids, PEDs</td>
<td>376</td>
<td>1.5%</td>
</tr>
<tr>
<td>Seeds</td>
<td>375</td>
<td>1.5%</td>
</tr>
<tr>
<td>Heroin</td>
<td>370</td>
<td>1.5%</td>
</tr>
<tr>
<td>Opioids</td>
<td>344</td>
<td>1.4%</td>
</tr>
<tr>
<td>DMT</td>
<td>343</td>
<td>1.4%</td>
</tr>
<tr>
<td>Stimulants</td>
<td>292</td>
<td>1.2%</td>
</tr>
<tr>
<td>Digital goods</td>
<td>261</td>
<td>1.1%</td>
</tr>
</tbody>
</table>
Fastcompany Magazine: Inside The Underweb: Home To Stolen Credit Cards, Pedophiles, Hit men, Drug Dealers–And Free Speech

Skimmer Services
We offer: Wincor & Diebold skimmers [Flash] + camera.
All products can work about 24hrs from battery.
Possible to develop a model for other ATMs special for you.
Price for listed models: 2000$. Rent is possible too.
Rent terms: 1000$ deposit + 30% skimmed dumps (70% for you, 30% for us).
Product can be delivered worldwide, shipping fees included in price.
All info will be provided with skimmer [installation manual, software & firmware + datasheet]
Contact us: skimmer@bomark.ee
P.S: Sorry for page look. We are not designers. :)
Some photos, Wincor:
Betcha never ran across a website like this with a Google search!
<table>
<thead>
<tr>
<th>Title</th>
<th>Price</th>
<th>Seller</th>
<th>Ship from</th>
<th>Add to Cart</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taurus 990</td>
<td>$108.72</td>
<td>edgarnumbers(98)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Smith and Wesson Model 625 JM</td>
<td>$175.70</td>
<td>edgarnumbers(98)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Glock 26 9MM like new</td>
<td>$139.02</td>
<td>DBush(100)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Glock 27 compact 40 cal</td>
<td>$142.67</td>
<td>DBush(100)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Beretta US M9 w/fac. laser NIB Govt' Issue</td>
<td>$204.36</td>
<td>edgarnumbers(98)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>9mm Machine Pistol with Silencer</td>
<td>$187.32</td>
<td>DBush(100)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Desert Eagle .44Mag</td>
<td>$347.19</td>
<td>edgarnumbers(98)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Ruger P89</td>
<td>$82.73</td>
<td>edgarnumbers(98)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Beretta 92FS Italian new in box</td>
<td>$166.14</td>
<td>edgarnumbers(98)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Desert Eagle 50AE Brushed Chrome</td>
<td>$294.49</td>
<td>DBush(100)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Raging Bull 454</td>
<td>$147.00</td>
<td>edgarnumbers(98)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>AR15 .5.56mm NATO pistol</td>
<td>$165.84</td>
<td>DBush(100)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
<tr>
<td>Glock 17 9mm</td>
<td>$161.28</td>
<td>DBush(100)</td>
<td>United States of America</td>
<td>add to cart</td>
</tr>
</tbody>
</table>
DARK Web – a true service economy!

If you need the job done in the EU, you must pay me in advance 5000 EUR in preparation for the job. If you need the job done outside the EU, you must pay me in advance 10 000 EUR in preparation for the job.

*This money is required for me to purchase the weapon, vehicle of transport, ticket to the target’s country, etc

To eliminate:

- Ordinary person: 20 000 EUR
- Criminal or lower rank government official: 50 000 EUR
- High rank government official: 100 000 EUR
- Paparazzi: 50 000 EUR
- Journalist: 65 000 EUR
- Business Associate: ranging from 50 000 EUR to 200 000 EUR
- Spouse: price depending on the secondary aspects of person (job, social status etc)

You are required to provide as much information about the target as possible. Necessary information includes:

- Name
- Picture (many if possible)
- Home address
- Work address
- How many family members live in the same household. (not a necessity, but good to know)
- Vehicle used for transport and registration of vehicle, along with any other identifying numbers

After the money you pay me in advance, I will purchase whatever is necessary for the mission. After the necessary elements have been bought and accomplished, you will pay me the rest of the money to confirm the job, and then I will execute it.

Keep in mind, the amount of time needed for such operation is crucial. The sooner you want a target eliminated, the sooner you should notify me. A two month headstart is perfect for me.

If you expect me to do such job, I expect you to trust me. We are both anonymous, and a bond of trust is required for such jobs to be successful.

You can contact me and send target information at: frtz@tormail.net
Some Light Shines in the Dark Web
The Demise of Dread Pirate Robert

- Here’s the Secret Silk Road Journal From the Laptop of Ross Ulbricht

- Prosecutors Trace $13.4M in Bitcoins From the Silk Road to Ulbricht’s Laptop

- Follow The Bitcoins: How We Got Busted Buying Drugs On Silk Road's Black Market
  - The link for this is spooky
  - Just search on the text string above
2. On or about January 26, 2013, ROSS WILLIAM ULBRICH, a/k/a “Dread Pirate Roberts,” a/k/a “DPR,” communicated with the UC via the Internet, and told the UC that the Employee had been arrested by law enforcement and that the Employee had stolen funds from other Silk Road users. ROSS WILLIAM ULBRICH, a/k/a “Dread Pirate Roberts,” a/k/a “DPR,” asked the UC to arrange for the Employee to be beaten and forced to return the money, stating specifically, “I’d like him beat up, then forced to send the bitcoins he stole back. like sit him down at his computer and make him do it[,]”

3. On or about January 27, 2013, ROSS WILLIAM ULBRICH, a/k/a “Dread Pirate Roberts,” a/k/a “DPR,” communicated with the UC via the Internet, and asked: “can you change the order to execute rather than torture?” ROSS WILLIAM ULBRICH, a/k/a “Dread Pirate Roberts,” a/k/a “DPR,” wrote that the Employee “was on the inside for a while, and now that he’s been arrested, I’m afraid he’ll give up info[,]” and added that he had “never killed a man or had one killed before, but it is the right move in this case.”
THIS HIDDEN SITE HAS BEEN SEIZED

by the Federal Bureau of Investigation,
in conjunction with the IRS Criminal Investigation Division,
ICE Homeland Security Investigations, and the Drug Enforcement Administration,
in accordance with a seizure warrant obtained by the
United States Attorney’s Office for the Southern District of New York
and issued pursuant to 18 U.S.C. § 983(j) by the
United States District Court for the Southern District of New York
Two federal agents, involved in breaking up Silk Road, charged with money laundering and wire fraud. Mr. Force "stole and converted to his own personal use a sizable amount of Bitcoins," and Mr. Bridges, a computer forensics expert, diverted to a personal account more than $800,000 in digital currency that he gained control of during the Silk Road investigation.

Even the Tor Browser is Under Attack

- Hackers target Tor after disrupting Xbox Live, PlayStation Network on Christmas
- Tor (The Onion Router) looks and acts like a browser (Firefox) to its users
- But, unlike Firefox, Tor routes traffic through a network of servers (relays), scattered worldwide, to anonymize the user’s location
- If the servers on the network are hacked, the network would become less reliable, and less secure for its users
Police take down Dark Web markets around the globe

Police around the globe shut down dozens of underground cyber marketplaces that dealt in drugs, weapons and other illegal goods in a massive operation this week to disrupt criminals operating on the "Dark Web."

Police in 17 countries arrested at least 17 website administrators, vendors and cybercriminals as part of the operation that targeted cyber storefronts where vendors put illegal goods on display much like Amazon or eBay sell legal goods.

Let’s Look At Bitcoin – The Dark Web payment of choice

• **What is it ... and should we care?**
• Bitcoin is a **digital currency** (also called crypto-currency) that is not backed by any country’s central bank or government. Bitcoins can be traded for goods or services with vendors who accept Bitcoins as payment.
• Bitcoins are created in a process called **mining**, where a computer repeatedly works through a series of calculations that are designed to be difficult to solve, but to lead to a specific answer.
• [https://medium.com/future-of-currency/4624cef09e87](https://medium.com/future-of-currency/4624cef09e87)
Current value of a bitcoin ...  
https://www.coinbase.com/charts
Bitcoin – A Quick Overview...

https://www.youtube.com/watch?v=Um63OQz3bjo

How we get Bitcoins – by “mining”


New-New-New
The Idiot’s Guide To Bitcoin

So to sum up ...

- The Web as we know it is a small fraction of what’s out there on the Internet
- The Deep Web has much good information – like Library of Congress – e.g., use their search engine
- The Dark Web is a scary, shady place that is best avoided
- There is much that is illegal, immoral and dangerous in the Dark Web
- The Dark Web has some legitimate uses (safe online access if living in a repressive regime – e.g., in N. Korea, Syria?)
- Google doesn’t see it, so you don’t either
- Now that you know all that, proceed with caution.
- And ... there is little consensus on terminology – Deep and Dark are used interchangeably. Just be aware that there are both and you can get real value from Deep.