PRACTICAL : 3

AIM : Study About Deep And Dark Web.

What is the Internet?

The Internet is a globally connected network system that facilitates communication and data services through a vast collection of private, public, business, academic, and government networks. It serves as a virtual infrastructure that links millions of computers and electronic devices worldwide, allowing users to exchange information seamlessly.

Introduction To TOR

Tor stands for The Onion Routing.Along with Tor browser, Tor community also provides Hidden services also known as Onion Services which provide anonymity to websites and other servers configured to receive inbound connections only through Tor. Tor also provide free domain with TLD .onion but the problem is that the domain that will be generated is a random string mostly. Rather than revealing a server's IP address (and thus its network location), an onion service is accessed through its onion address, usually via the Tor Browser. The Tor network understands these addresses by looking up their corresponding public keys and introduction points from a distributed hash table within the network. It can route data to and from onion services, even those hosted behind firewalls or network address translators (NAT), while preserving the anonymity of both parties. Tor is necessary to access these onion services.

How does TOR work?

Multi-layered encryption and thousands of relays (also called nodes) form the backbone of the TOR network. A relay is simply a computer inside this network.

To use TOR, you'll need to install the TOR browser, which is free and easy to use.

When you use TOR, your data travels through many relays, none of which — except the exit node — knows its final destination. Additionally, no relay can know the content of your data.

Hidden Services

- Location-hidden service allow a server to offer a TCP service without revealing its IP address.

- tor accommodates receiver anonymity by allowing location hidden service

- design goals for location hidden services
  - ➢ Access Control : filtering incoming requests
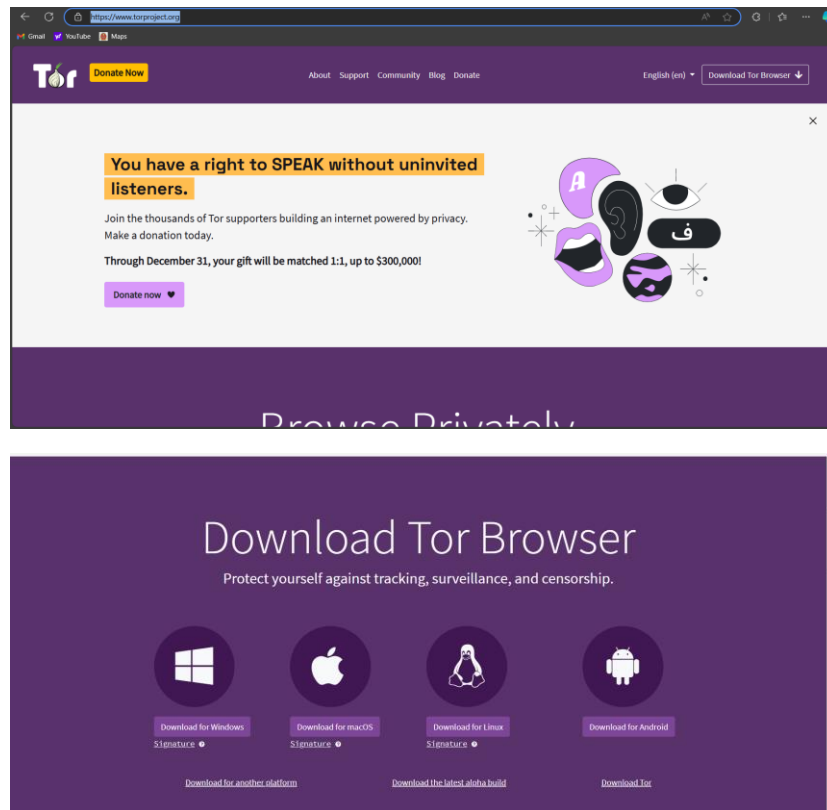 - ➢ Robustness : maintain a long-term pseudonymous identity

> ➢ Smear-resistance : againt socially disapproved acts
> ➢ Application transparency
- Allows to access onion website and deep web.
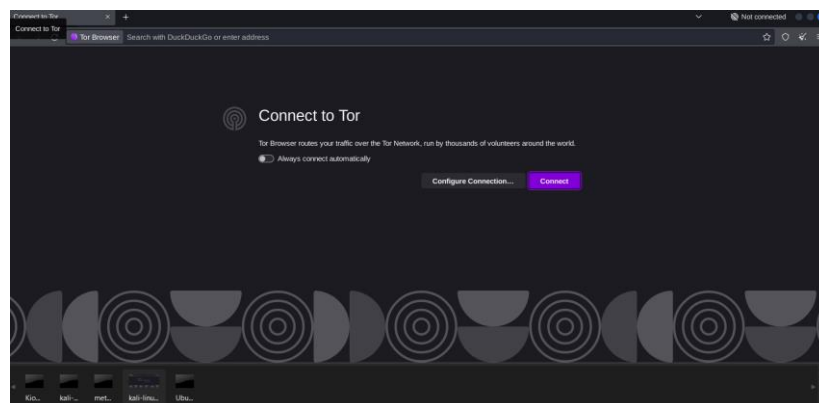
Tor Installation

Step 1 : Install Tor from google.

> ➢ Open google and Search tor and install it.
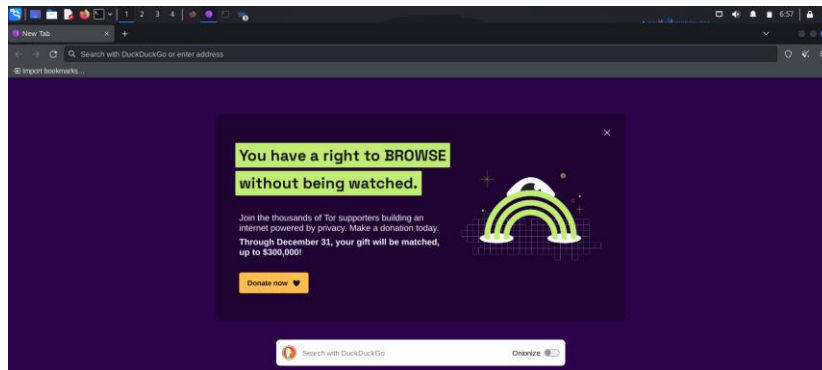> ➢ [Tor Project | Anonymity Online](#)

Step 2 : After Installtion , Open Tor Browser.

Step 3 : You will get option of "Configure" and "Connect" , so Select "Connect" : and proceed.

Introduction To Dark Web

 The dark web constitutes a large part of illegal activity on the internet. To a lesser extent, it is also used for lawful reasons by legitimate users such as those who want to protect the privacy of certain information or people looking to join an exclusive online club or social network.

Access The Dark Web

Step 1 : First open Tor Browser and search hidden wiki and open it.

   ➢ https://thehiddenwiki.com/
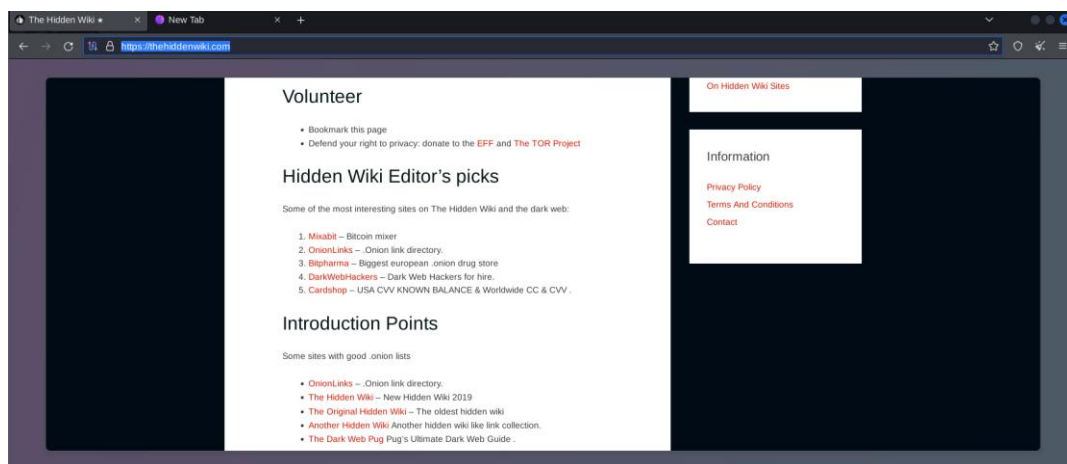
Task 1 : Blogs and Personal Sites

S-Config : http://xjfbpuj56rdazx4iolylxplbvyft2onuerjeimlcqwaihp3s6r4xebqd.onion/

Task 2 : Drugs

420prime : http://ajlu6mrc7lwulwakojrgvvtarotvkvxqosb4psxljgobjhureve4kdqd.onion/

Drchronic : http://iwggpyxn6qv3b2twpwtyhi2sfvgnby2albbcotcysd5f7obrlwbdbkyd.onion/
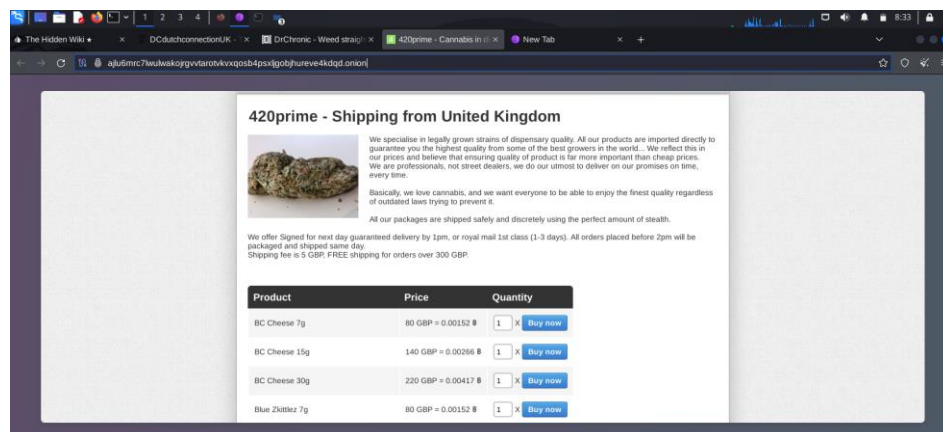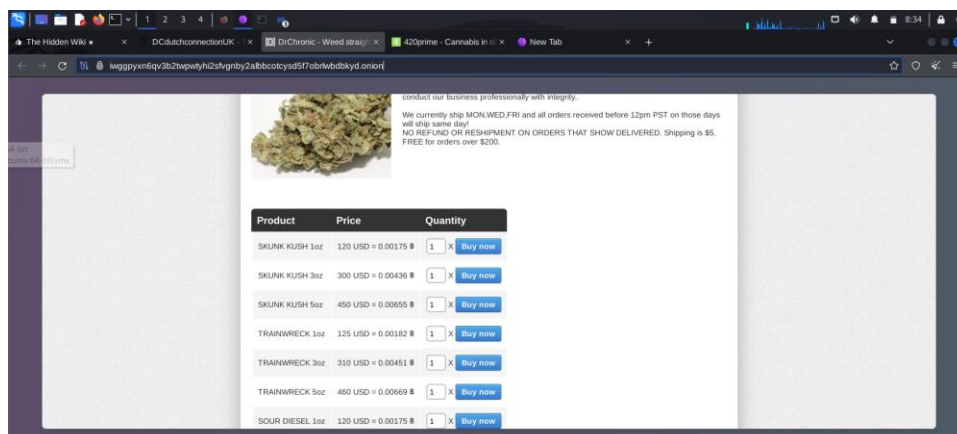
Task 3 : Financial Services

Cardshop : http://s57divisqlcjtsyutxjz2ww77vlbwpxgodtijcsrgsuts4js5hnxkhqd.onion/

ACCMarket :
http://55niksbd22qqaedkw36qw4cpofmbxdtbwonxam7ov2ga62zqbhgty3yd.onion/

CCPal : http://xykxv6fmblogxgmzjm5wt6akdhm4wewiarjzcngev4tupgjlyugmc7qd.onion/