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THE THREAT OF CYBERTER-RORISM AND THE APPLICABIL-ITY OF THE CONVENTION OF CYBERCRIME



CAUSES OF TERRORISM
INITIATIVE Al-Qaeda, ISIS and
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ISLAMOPHOBIA IN EUROPE USING CRISES TO SPREAD HATE

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DARK WEB OF TERRORISM

■ Mohammed Yazid bin Zu Qubali

errorists and extremist groups use the internet for the promotion of their ideology, glorification of terrorist acts, recruitment, broadcasting of violent content, facilitating communication and training potential recruits with anonymity. Online social networks are also used to spread their propaganda, fear, panic, intimidating messaging and threats to the public. Law enforcement agencies all over the world usually monitor and supervise the content of materials and communications in the cyber world to ensure that they are not used for illegal purposes. Unfortunately, criminals and terrorists have managed to bypass the supervision of law enforcement agencies by resorting to the dark web. To effectively counter terrorism and combat the financing of terrorism, law enforcement agencies must ensure that their officers are fully familiar with the state-of-the-art technology, spearheaded by the dark web.

> Real Threat

The dark web can bypass censorship, supervision and monitoring of law enforcement agencies and can provide a higher level of anonymity to their users. Proper training and awareness campaigns are essential to ensure that all law enforcement agencies are fully equipped with knowhow to handle the threats from the modern digital world – a real threat looming large. The emerging digital threats associated

with the dark web, including cyberstalking, hacktivism, fraud, identity theft and attacks on critical infrastructure cannot be underestimated. The dark web, alternatively known as the deep web, is part of the internet that isn't indexed by search engines and is inaccessible by normal internet browsers. Since the materials on the deep web is not indexed, one should have the precise URL to access the page desired.

Unlike the normal use of the internet, in

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which the IP address of each computer or gadget can be detected straight away, the dark web can provide a higher level of anonymity to the users as the IP address of each computer or gadget accessing the dark web will be scrambled by using special browsers and networks like "The Onion Routing" (TOR) project and the "Invisible Internet Project". This special browser - TOR - was developed and funded by the United States Naval Research Laboratory in the 1990s as a tool for evading online detection with roughly 60% of its funding coming from the State Department and the Department of Defence.

The dark web allows people to purchase firearms, passports, driver's licenses and ID cards, healthcare data, credit card and social security numbers and pornography at relative ease. Due to anonymity, the dark web is also used to purchase stolen subscription credentials, hacked Netflix accounts and illegal software. The dark web also offers various illegal services, including assassination and hacking.

A global online marketplace in the dark web called the Silk Road once attracted over 100,000 users who transacted over one million deals, estimated to be worth \$1.2 billion in global sales from vendors located in more than ten countries around the world before it was closed down by the authorities.

> Flip Side

Not everything in the dark web is illegal. The dark web is simply an online platform neither regulated nor controlled. Since it provides anonymity, many people surfing the dark web feel that they can act with impunity

because they will not be caught.

There is a legitimate side for the dark web, as well. There are various social clubs available on the dark web, including chess club and social networks similar to Facebook. Anonymous browsing also allows people in repressed countries to circumvent government censorship and avoid persecution for online activities and assist whistle-blowers who wish to disclose valuable information without compromising their identity.

The dark web encryption technology routes user data through a large number of intermediate servers, protecting user identity and providing anonymity. The transmitted information can be decrypted only by the next node (computer), which finally leads to the exit node. This makes it challenging to reproduce the node path as the information was encrypted layer to layer. Due to this advanced encryption, websites are unable to simply track and identify the IP address or GPS of their users, while users will not be able to track similar information about the host.

> Confronting Threat

The general perception that the dark web provides complete anonymity is not entirely correct as technology exists to counter it. In a 2012 investigation entitled "Operation Torpedo," the Federal Bureau of Investigations (FBI) used a method called "Network Investigative Technique" to detect and identify the IP addresses of at least twenty-five individuals who have visited illegal websites on the dark web. To proceed with investigations relating to the dark web in the United States, the FBI can use the Network Investigative Technique (NIT) but a warrant is required. The NIT warrant authorized the FBI to deploy the NIT, which consisted of computer code that, when deployed to a user computer, caused such computer to send to a government computer its actual IP address.

One important question is whether accessing the dark web can be banned or not. The answer depends on the law of the country. In many countries, accessing the dark web, similar to accessing normal websites, is not illegal on its own. As mentioned before, similar to normal websites, the dark web also offers various legitimate services. However, accessing illegal websites that promote illegal services is contrary to law. This includes websites that offer illicit drugs, illegal services like hacking, malware and pornography. The law in most countries does not discriminate between the dark web and normal websites. Both are subjected to the same law although enforcement might be more challenging.

There are other challenges that share similar characteristics with the dark web. This includes Virtual Private Networks (VPN), proxy servers, anonymous e-mail providers, and other web services that neither retain nor provide any identification information. To address cyberterrorism threats, security agencies should always remain vigilant and provide adequate funding for staff, equipment, training, in addition to encouraging citizens to be alert and to report any suspicious behaviour.

It would also be very helpful if international coalitions such as the Islamic Military Counter Terrorism Coalition (IMCTC) can assist in developing a platform to coordinate such training and technology sharing for counterterrorism purposes in the future.

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