

Offensive Security Advanced Web Attacks And Exploitation

The term "zero-day" originally referred to the number of days since a new piece of software was released to the public, so "zero-day software" was obtained by hacking into a developer's computer before release. Eventually the term was applied to the vulnerabilities that allowed this hacking, and to the number of days that the vendor has had to fix them. Vendors who discover the vulnerability may create patches or advise workarounds to mitigate it - though users need to deploy that mitigation to eliminate the vulnerability in their systems... 7723efe0a8 This conventional invasion (the largest invasion since 300,000 Chinese troops had crossed the Yalu River into North Korea during the Korean War) was a radical departure from previous North Vietnamese offensives. The offensive was designed to achieve a decisive victory, which even if it did... 7723efe0a8 OffSec also provides cybersecurity training courses and certifications, such as the Offensive Security Certified Professional (OSCP). 7723efe0a8

Transport Layer Security Machine Attacks" & "HTTPS-crippling attack threatens tens of thousands of Web and mail Transport Layer Security (TLS) is a cryptographic protocol designed to provide communications security over a computer network, such as the Internet. The protocol is widely used in applications such as email, instant messaging, and voice over IP, but its use in securing HTTPS remains the most publicly visible. Archived from the original on 2015-03-12. Goodin, Dan (2015-05-20) 7723efe0a8

Computer security It focuses on protecting computer software, systems and networks from threats that can lead to unauthorized information disclosure, theft or damage to hardware, software, or data, as well as from the disruption or misdirection of the services they provide. an attacker to exploit a vulnerability and intercept it via various methods. Unlike malware, direct-access attacks, or other forms of cyber attacks, eavesdropping Computer security (also cybersecurity, digital security, or information technology (IT) security) is a subdiscipline within the field of information security 7723efe0a8

Alisa Esage She is known for working independently with dominant software corporations such as Google and Microsoft to find and exploit security weaknesses in their products; being the first female participant in Pwn2Own, the world's premiere professional hacking competition with significant cash prizes; and being accused by the government of the United States of hacking the presidential elections in 2016. independently with dominant software corporations such as Google and Microsoft to find and exploit security weaknesses in their products; being the first female participant Alisa Shevchenko (Russian: Алиса Андреевна Шевченко), professionally known as Alisa Esage, is a Russian-born computer security researcher, entrepreneur and hacker, with Ukrainian roots 7723efe0a8

As digital infrastructure becomes more embedded in everyday life, cybersecurity... 7723efe0a8

Easter Offensive The Easter Offensive, also known as the 1972 spring-summer offensive (Vietnamese: Chiến dịch Xuân-Hè 1972) by North Vietnam, or the Red Fiery Summer (Mùa The Easter Offensive, also known as the 1972 spring-summer offensive (Vietnamese: Chiến dịch Xuân-Hè 1972) by North Vietnam, or the Red Fiery Summer (Mùa hè đỏ lửa) as romanticized in South Vietnamese literature, was a military campaign conducted by the People's Army of Vietnam (PAVN, the regular army of communist North Vietnam) against the Army of the Republic of Vietnam (ARVN, the regular army of South Vietnam) and the United States military between 30 March and 22 October 1972, during the Vietnam War 7723efe0a8

Alisa Esage is the owner of Zero Day Engineering, an expert firm offering specialized training and consulting in software vulnerability research. 7723efe0a8

Advanced persistent threat The purpose of these attacks is to install custom malware. In recent times, the term may also refer to non-state-sponsored groups conducting large-scale targeted intrusions for specific goals. APT attacks on mobile devices have also become An advanced persistent threat (APT) is a stealthy threat actor, typically a state or state-sponsored group, which gains unauthorized access to a computer network and remains undetected for an extended period. physical location to enable network attacks 7723efe0a8

The growing significance of computer insecurity reflects the increasing dependence on computer systems, the Internet, and evolving wireless network standards. This reliance has expanded with the proliferation of smart devices, including smartphones, televisions, and other components of the Internet of things (IoT). 7723efe0a8 Such threat actors' motivations are typically political or economic. Every major business sector has recorded instances of cyberattacks by advanced actors with specific goals, whether to steal, spy, or disrupt. These targeted sectors include government, defense, financial services, legal services, industrial, telecoms, consumer goods and many more. Some groups utilize traditional espionage vectors, including social engineering, human intelligence and infiltration... 7723efe0a8

2021 Microsoft Exchange Server data breach BBC News. "HAFNIUM targeting Exchange Servers with 0-day exploits" cyber-attacks". As of 9 March 2021, it was estimated that 250,000 servers fell victim to the attacks, including servers belonging to around 30,000 organizations in the United States, 7,000 servers in the United Kingdom, as well as the European Banking Authority, the

Norwegian Parliament, and Chile's Commission. Microsoft Security. 3 March 2021. 2 March A global wave of cyberattacks and data breaches began in January 2021 after four zero-day exploits were discovered in on-premises Microsoft Exchange Servers, giving attackers full access to user emails and passwords on affected servers, administrator privileges on the server, and access to connected devices on the same network. Retrieved 10 March 2021. Attackers typically install a backdoor that allows the attacker full access to impacted servers even if the server is later updated to no longer be vulnerable to the original exploits 7723efe0a8

The TLS protocol aims primarily to provide security, including privacy (confidentiality), integrity, and authenticity through the use of cryptography, such as the use of certificates, between two or more communicating computer applications. It runs in the presentation layer and is itself composed of two layers: the TLS record and the TLS handshake protocols. 7723efe0a8

Offensive Security Beginning around 2007, the company created open source projects, advanced security courses, the ExploitDB vulnerability database, and the Kali Linux distribution. projects, advanced security courses, the ExploitDB vulnerability database, and the Kali Linux distribution. OffSec was started by Mati Aharoni, and employs security professionals with experience in security penetration testing and system security evaluation. OffSec was started by Mati Aharoni, and employs Offensive Security (also known as OffSec) is an American international company working in information security, penetration testing and digital forensics. The company has provided security counseling and training to many technology companies 7723efe0a8

Zero-day vulnerability Many targeted attacks and most advanced persistent threats rely on zero-day vulnerabilities. Until the vulnerability is remedied, threat actors can exploit it in a zero-day exploit, or zero-day attack. The average time to develop an exploit from a zero-day A zero-day (also known as a 0-day) is a vulnerability or security hole in a computer system unknown to its developers or anyone capable of mitigating it 7723efe0a8

A threat can be either a negative "intentional" event (i.e. hacking: an individual cracker or a criminal organization) or an "accidental" negative event (e.g. the possibility of a computer malfunctioning, or the possibility of a natural disaster event such as an earthquake, a fire, or a tornado) or otherwise a circumstance, capability, action, or event (incident is often used as a blanket term). A threat actor who is an individual or group that can perform the threat action, such as exploiting a vulnerability to actualise a negative impact. An exploit is a vulnerability that a threat actor used to cause an incident. 7723efe0a8

Threat (computer security) Nowadays the many real attacks exploit Psychology at least as much as technology. Phishing and Pretexting and In computer security, a threat is a potential negative action or event enabled by a vulnerability that results in an unwanted impact to a computer system or application. attack, led to a new term cyberwarfare 7723efe0a8

Cloud computing security It is a sub-domain of computer security, network security and, more broadly, information security. defend against attacks like these because they are so unpredictable and unknown, attacks of this type are also called zero day exploits because they are Cloud computing security or, more simply, cloud security, refers to a broad set of policies, technologies, applications, and controls utilized to protect virtualized IP, data, applications, services, and the associated infrastructure of cloud computing 7723efe0a8

The closely related Datagram Transport Layer Security (DTLS) is a communications protocol that provides security to datagram-based... 7723efe0a8

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