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Cybersecurity

This is a **list of cybersecurity information technology**. Cybersecurity is security as it is applied to information technology. This includes all technology that stores, manipulates, or moves data, such as computers, data networks, and all devices connected to or included in networks, such as routers and switches. All information technology devices and facilities need to be secured against intrusion, unauthorized use, and vandalism. Additionally, the users of information technology should be protected from theft of assets, extortion, identity theft, loss of privacy and confidentiality of personal information, malicious mischief, damage to equipment, business process compromise, and the general activity of cybercriminals. The public should be protected against acts of cyberterrorism, such as the compromise or loss of the electric power grid.

Cybersecurity is a major endeavor of the IT industry. There are a number of professional certifications given for cybersecurity training and expertise.[1] Although billions of dollars are spent annually on cybersecurity, no computer or network is immune from attacks or can be considered completely secure. The single most expensive loss due to a cybersecurity exploit was the ILOVEYOU or Love Bug email worm of 2000, which cost an estimated 8.7 billion American dollars.[2]

This article attempts to list all the important Wikipedia articles about cybersecurity. There are a number of minor articles that can be reached by means of links in the listed articles

Introductory articles about cybersecurity subjects:

Security

Computer security[3]

Internet security[4]

Network security[5]

Information security, Data security[6]

List of computer security certifications

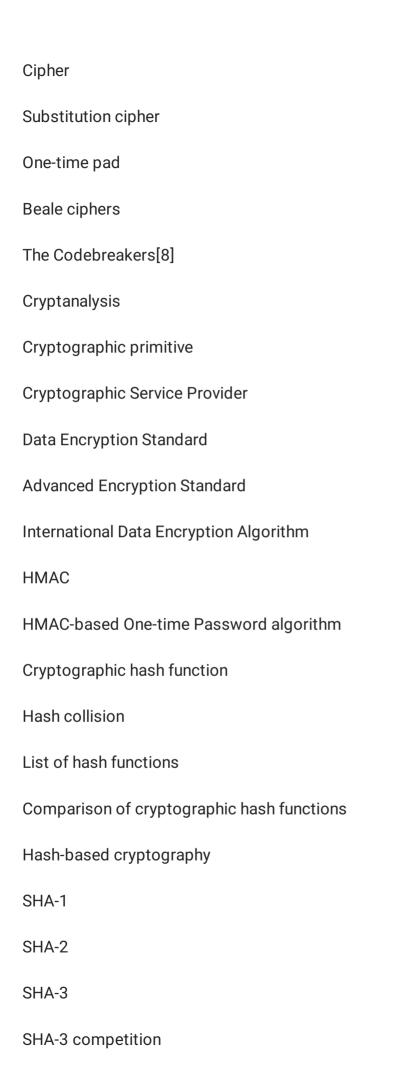
## CryptographyEdit

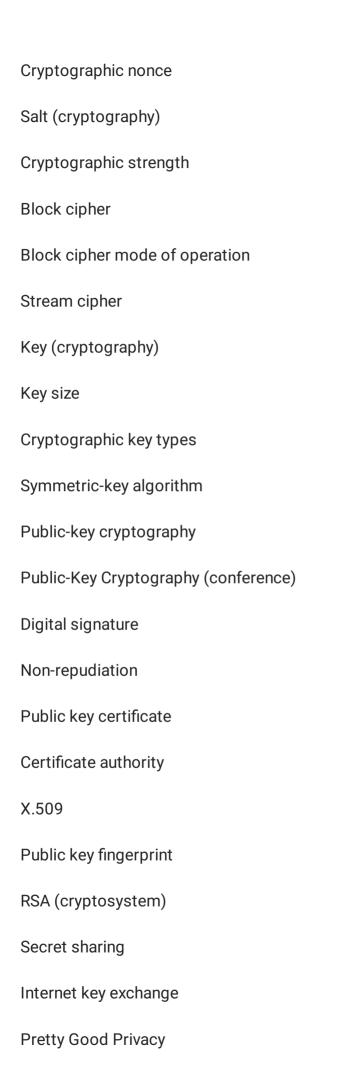
The art of secret writing or code. A "plaintext" message is converted by the sender to "ciphertext" by means of a mathematical algorithm that uses a secret key. The receiver of the message then reverses the process and converts the ciphertext back to the original plaintext.[7]

History of cryptography

Enigma machine

**Alan Turing** 

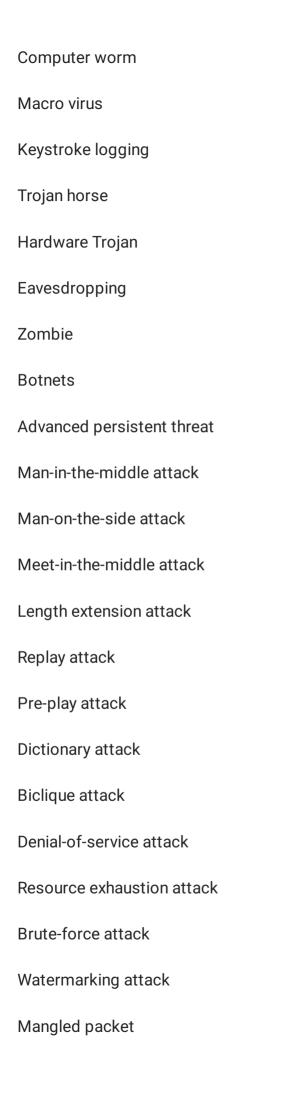




## Strong cryptography

Computer virus

SteganographyEdit
The art of hidden writing. The secret message is hidden within another object, such as a digital photograph.[9]
Steganography
BPCS-Steganography
Steganography tools
Steganalysis
OpenPuff
Kristie Macrakis[10]
Modes of potential attacks on IT facilities.[13]
Cyberattack
STRIDE (security)
Vulnerability (computing)
Common Vulnerabilities and Exposures
Privilege escalation
Social engineering (security)
Malware
Spyware
Backdoor (computing)



Reverse connection
Polymorphic code
Password cracking
Spoofing attack
POODLE
Cybercrime agencies
AgenciesEdit
AgenciesEdit ASEAN[115]
ASEAN[115]
ASEAN[115]  Australian High Tech Crime Centre
ASEAN[115]  Australian High Tech Crime Centre  Cyber Crime Investigation Cell, a wing of Mumbai Police, India
ASEAN[115]  Australian High Tech Crime Centre  Cyber Crime Investigation Cell, a wing of Mumbai Police, India  Cyber Crime Unit (Hellenic Police), formed in Greece in 1995
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