

Computer Security

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Introduction

My plan is to produce a group of people that is more aware of many different Computer Security issues that could directly affects them as well as provide a few tips on how to prevent these attacks.

IoT Botnet:

THE RISE OF MACHINE TO

What Is Computer Security?

(n.) In the computer industry, the term security -or the phrase computer security -- refers to techniques for ensuring that data stored in a computer cannot be read or compromised by any individuals without authorization. Computer Security is essentially the immune system of a computer.

Number Of Devices In The Internet Of Everything

C.I.A

Confidentiality

Primarily intended to ensure that no unauthorized access to information is permitted and that accidental disclosure of sensitive information is not an option

Integrity

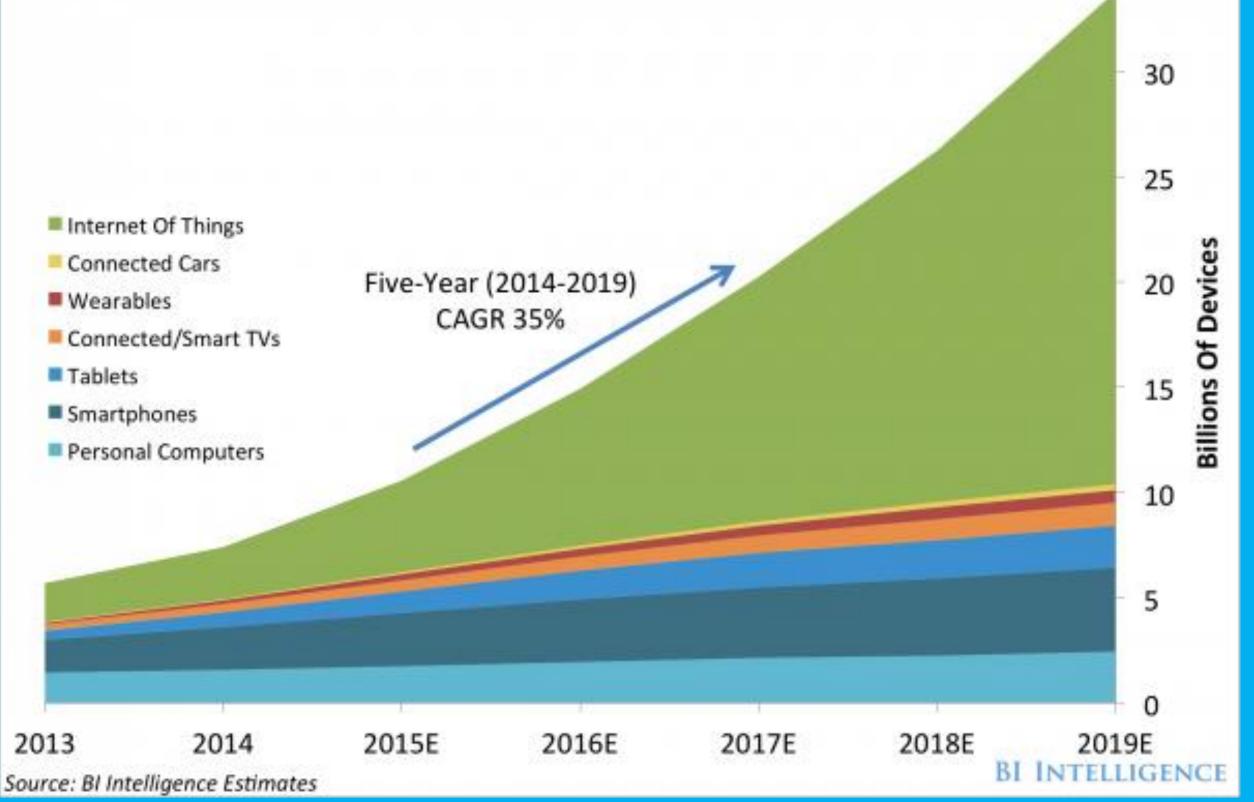
Integrity models keep data pure and trustworthy by protecting system data from

GARTNER PREDICTS OVER 20 BILLION CONNECTED DEVICES BY 2020

 A group of hacked computers, smart appliances and Internet-connected devices that have been co-opted for illicit purposes.

Main Categories:

Consumer Efficiency



Headless Worms

- Malicious code used to capture and control devices
- Industrial machines, automobiles, medical equipment, cameras, household appliances, airplanes, vending machines and toys are among the countless possible hosts of embedded systems

intentional or accidental changes.

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Availability

Keep data and resources available for authorized use, especially during emergencies or disasters.



Quick Tips:

 Marriott Hotel
 Health care
 Body equipment
 Transportation
 San Francisco Cars/Parking

Two-faced malware

- Specifically designed to evade detection in sandbox testing.
- Executes a benign task while in the sandbox
- Performs its malicious process once it passes the sandbox test



- Backup frequently and use an off site device
- Destroy sensitive documents
- Antivirus, Email Alert System, Firewall,
 Software Patches, Frequent Backups
- User wireless encryption
- Implement device control, and a multiuser system
- Enforce a strict password policy: Long, no usernames, no dictionary words, passphrase, no public computers, etc