

# **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

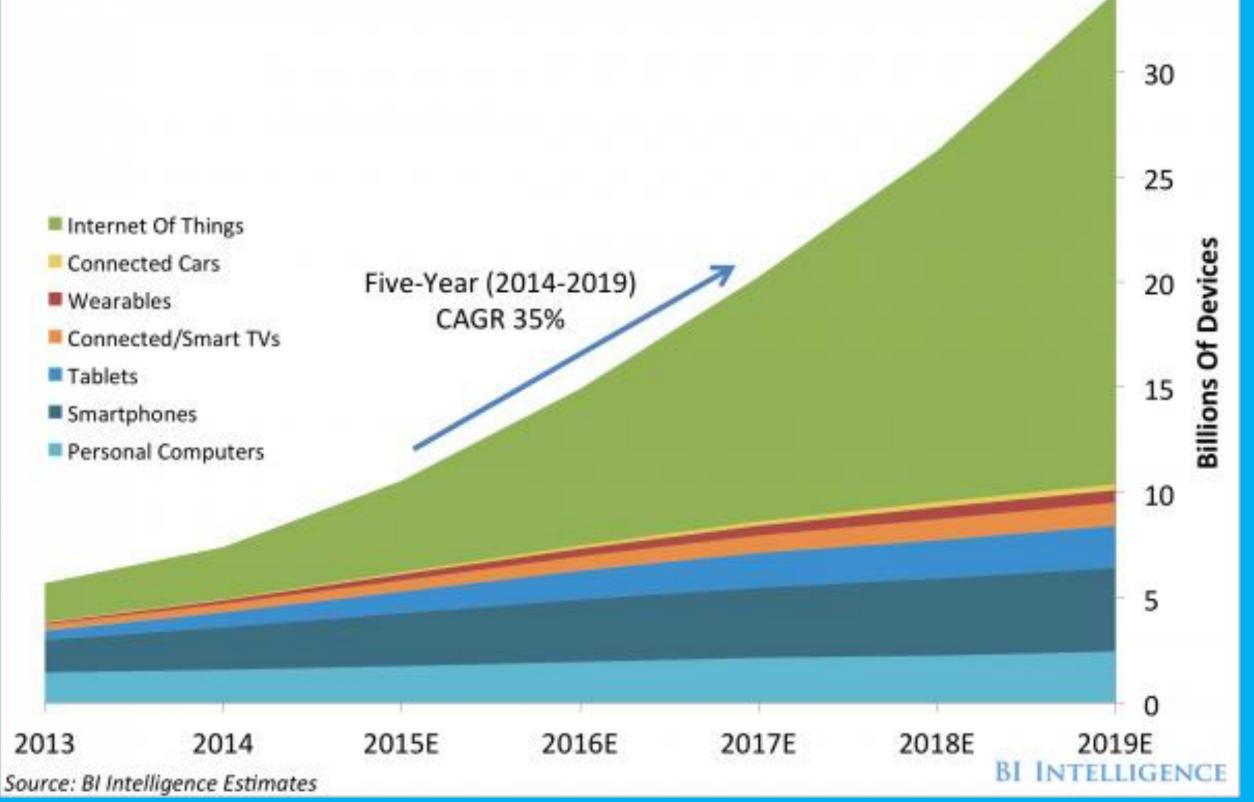
Integrity models keep data pure and trustworthy by protecting system data from

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