

Objectives

▶ To understand IPv6 and how it raises major security concerns.

To understand why lot (The Internet of Things) is fast becoming a major target for security breaches.

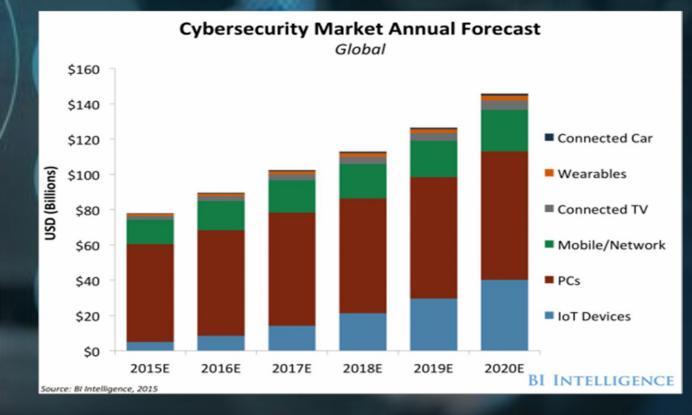
► To know a few ways to protect ourselves from cyber attacks

How lot Will Affect Security and Privacy



Increase In Cyber Attacks

Major DDoS attacks in 2016 21st October "Mirai Botnet"
Automating Systems in Finland



HP study (2016) reveals 70% of the most commonly used IoT devices contain vulnerabilities.

The Multiplying Effect of Today's Cybersecurity Challenges

- The Speed of Change
- A Network of Networks
 - Growing use of mobile devices
 - ► The "BYOD" employer
- Application risk
 - Malwares
 - Application vulnerabilities
- Infrastructure
- Cloud computing

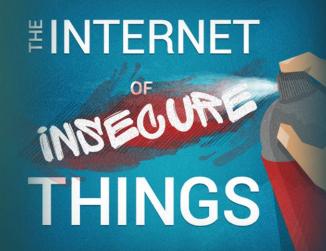
Internet of Insecure Things

Security Issues

- Public Perception
- Vulnerability to Hacking

Privacy Issues

- Too Much Data
- Unwanted Public Profile
- Eavesdropping
- Consumer Confidence



No Silver Bullet

> End Point Security

Resilient Networking Principles

> Awareness

"Si vis pacem, para bellum"

"Threats are everywhere and what you don't know CAN harm you" (Unknown)