Module 0.3

The Marketplace for Vulnerabilities

Hacker zoloto offered credit cards for sale on the Web site HackZone .ru.

Marketplace for Vulnerabilities

Option 1:   bug bounty programs (many)
* Google Vulnerability Reward Program: up to 100K $
* Microsoft Bounty Program: up to 100K $
* Mozilla Bug Bounty program: 500$ - 3000$
* Pwn2Own competition: 15K $

Option 2:
* ZDI, iDefense: 2K – 25K $

Marketplace for Vulnerabilities

Option 3: black market

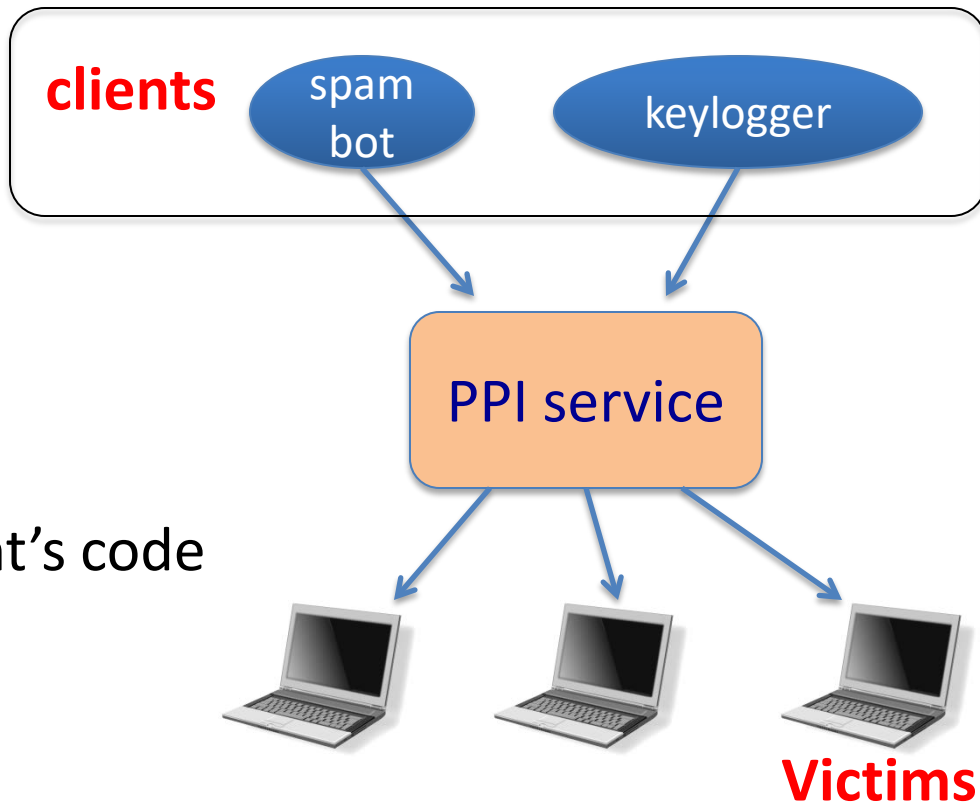|	
ADOBE READER	$5,000–$30,000
MAC OSX	$20,000–$50,000
ANDROID	$30,000–$60,000
FLASH OR JAVA BROWSER PLUG-INS	$40,000–$100,000
MICROSOFT WORD	$50,000–$100,000
WINDOWS	$60,000–$120,000
FIREFOX OR SAFARI	$60,000–$150,000
CHROME OR INTERNET EXPLORER	$80,000–$200,000
IOS	$100,000–$250,000

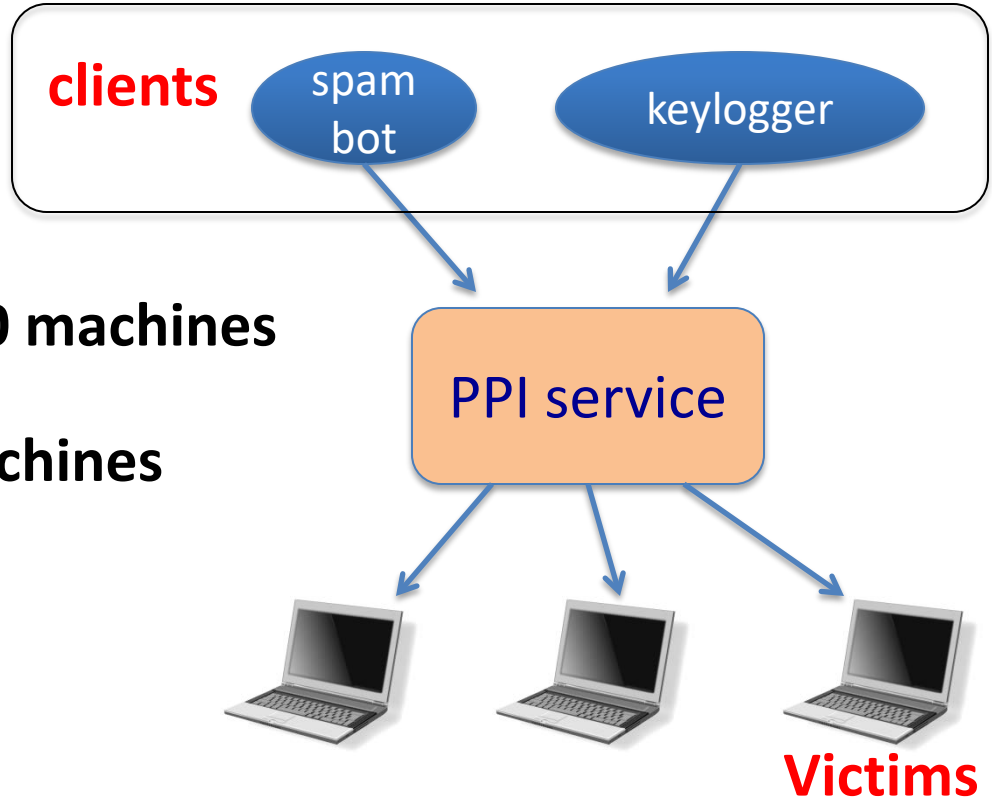Source: Andy Greenberg   (Forbes, 3/23/2012)

Marketplace for owned machines

Pay-per-install (PPI) services

PPI operation:

1. Own victim's machine
2. Download and install client's code
3. Charge client

clients

spam bot

keylogger

PPI service

Victims

Source: Cabalerro et al.   (www.icir.org/vern/papers/ppi-usesec11.pdf)

Marketplace for owned machines

clients

spam bot

keylogger

Cost: **US** - **100-180$ / 1000 machines**

Asia - 7-8$ / 1000 machines

PPI service

Victims

Source: Cabalerro et al.   (www.icir.org/vern/papers/ppi-usesec11.pdf)