

Systems and Network Security CSE 628/628A

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Module 0.1: Introduction

Introduction to the context and
landscape

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- Web Resources

The computer security problem

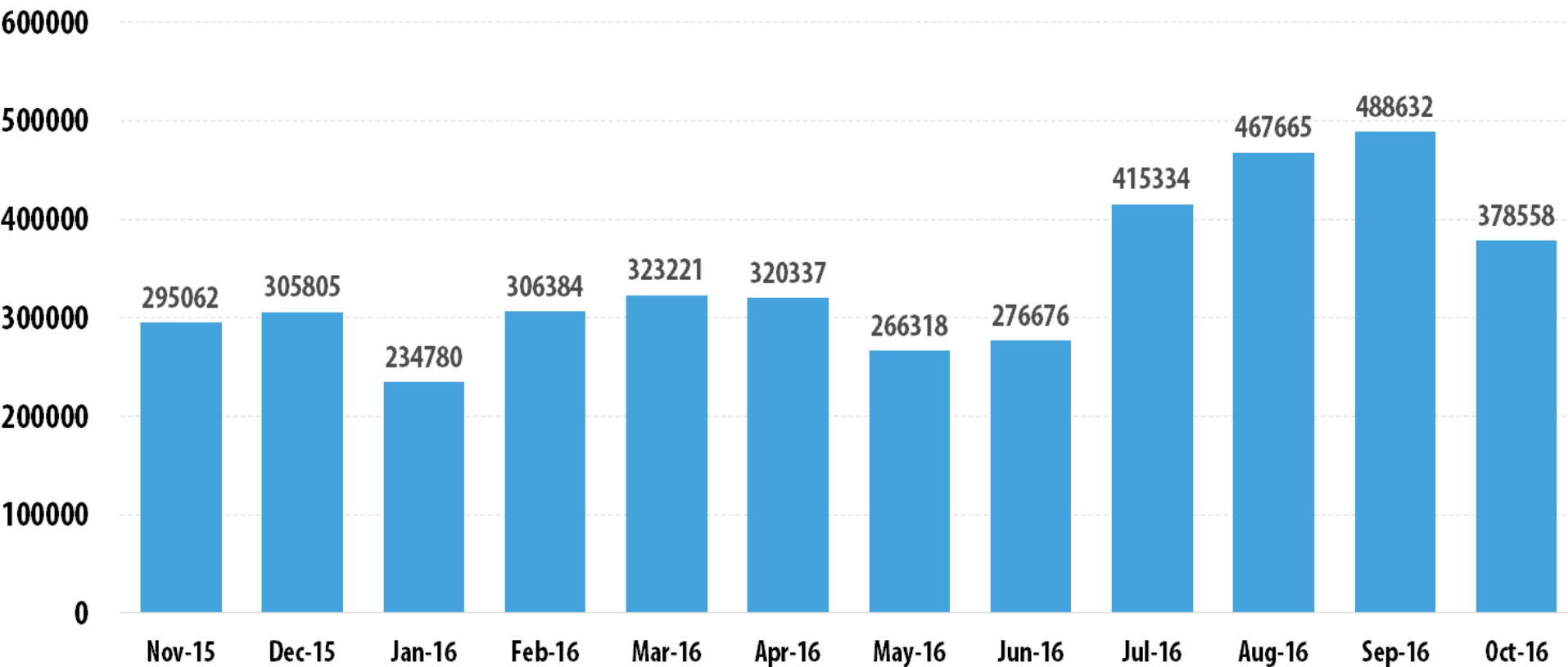
Two factors:

- **Lots of buggy software** (and gullible users)
- **Money can be made from finding and exploiting vulns.**

1. Marketplace for vulnerabilities
2. Marketplace for owned machines (PPI)
3. Many methods to profit from owned client machines

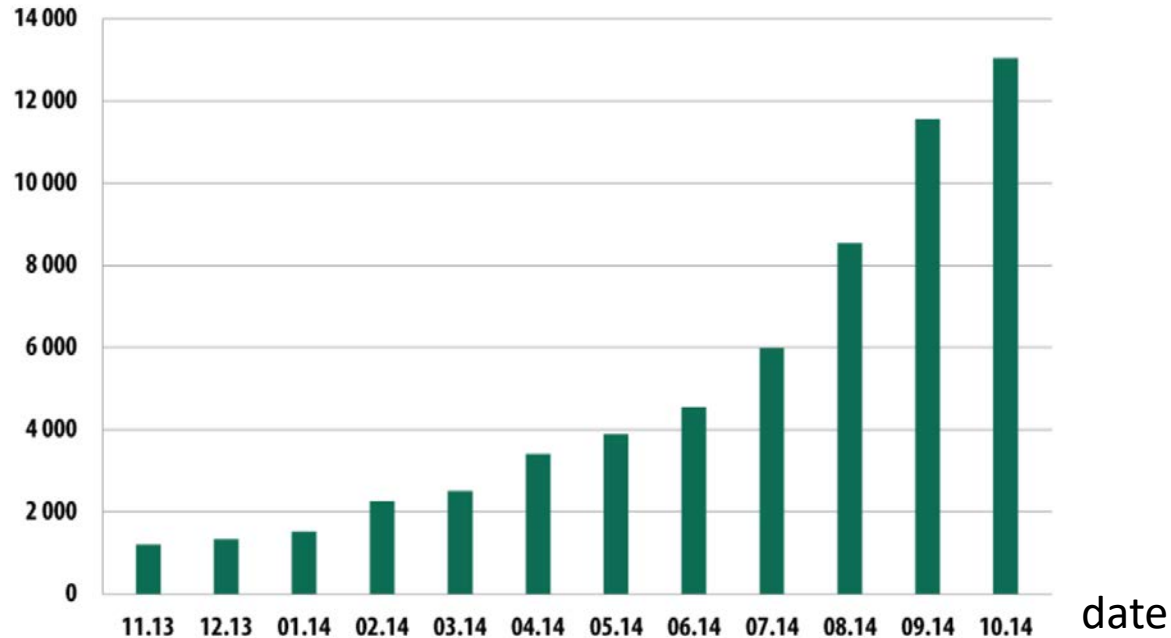
current state of computer security

Vulnerabilities Galore



Mobile malware

(Nov. 2013 – Oct. 2014)



The rise of mobile banking Trojans

(Kaspersky Security Bulletin 2014)

% in Mobile OS targeted by Financial Malware 2015 vs 2016

