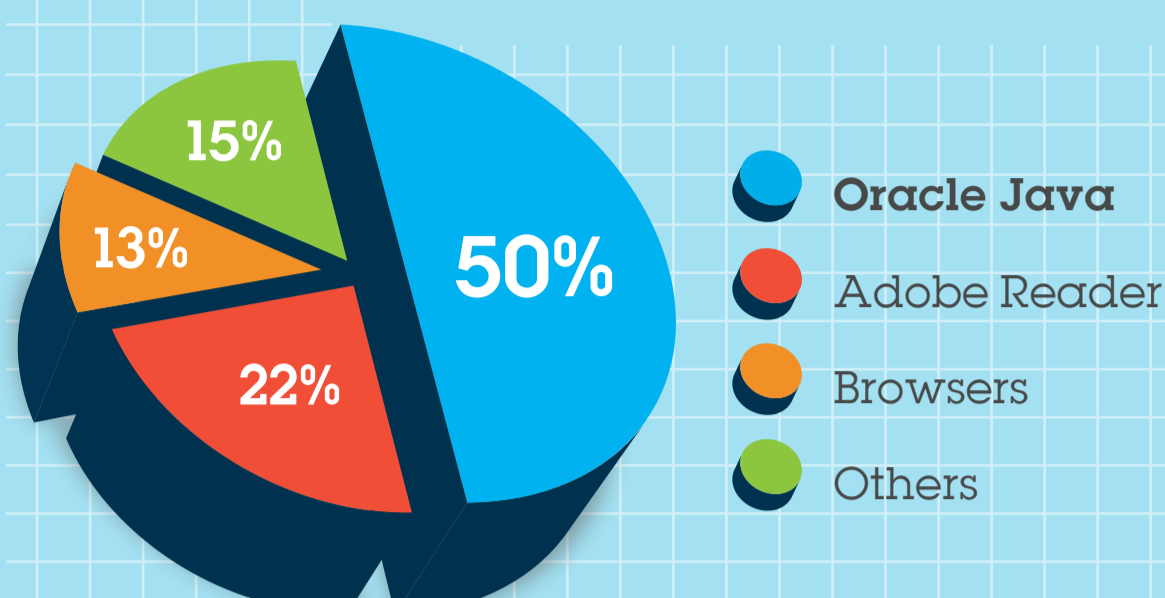# JAVA UNDER ATTACK

Most common enterprise application infrastructure

JAVA APPLICATIONS ARE VULNERABLE TO EXPLOITATION
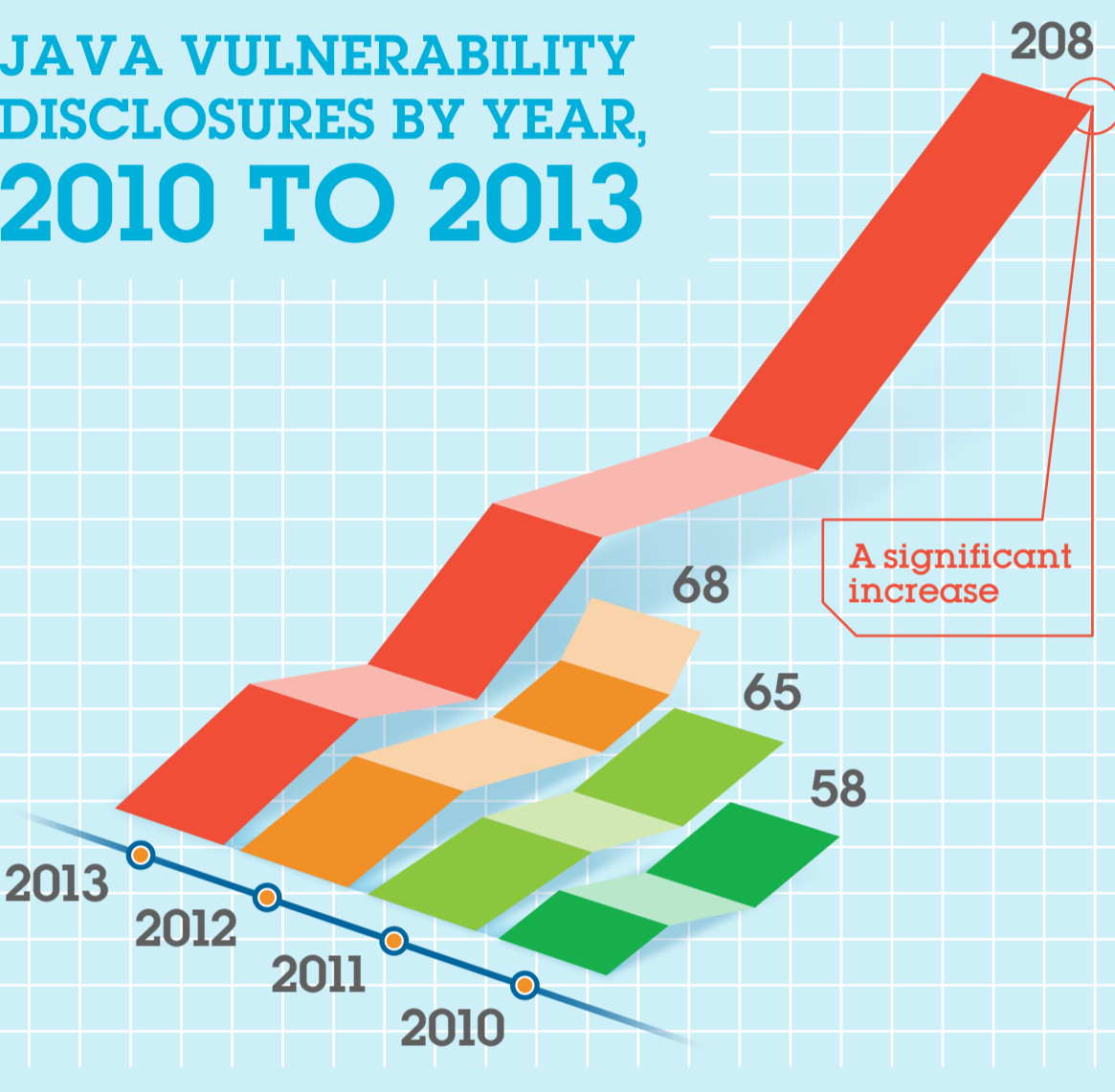
per a Trusteer survey of 1 million Trusteer customers.

- **50%** Oracle Java
- **22%** Adobe Reader
- **13%** Browsers
- **15%** Others

Source: IBM X-Force Threat Intelligence Quarterly 1Q 2014

BAD GUYS ♥ JAVA!

JAVA VULNERABILITY DISCLOSURES BY YEAR, 2010 TO 2013

- 208 — A significant increase
- 68
- 65
- 58

2013 · 2012 · 2011 · 2010

Source: IBM X-Force Threat Intelligence Quarterly 1Q 2014
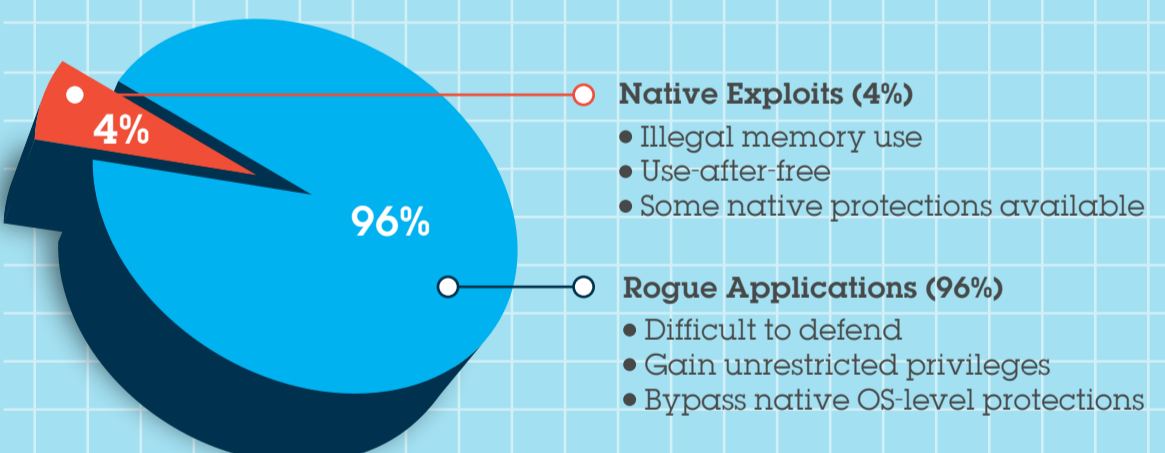
BAD GUYS ATTACK USERS WITH ROGUE JAVA APPS!

WHY?
- Many enterprises run the Java platform
- Rogue apps are designed to bypass internal Java controls as well as traditional security measures

WANTED ROGUE APP

MOST SUCCESSFUL JAVA ATTACKS USE ROGUE JAVA APPLICATIONS

Based on total Oracle Java exploits 2012 to 2013

- **4%** Native Exploits (4%)
  - Illegal memory use
  - Use-after-free
  - Some native protections available
- **96%** Rogue Applications (96%)
  - Difficult to defend
  - Gain unrestricted privileges
  - Bypass native OS-level protections

Source: IBM X-Force Threat Intelligence Quarterly 1Q 2014

YOU NEED TO PROTECT YOUR JAVA ENVIRONMENT AGAINST BOTH ATTACK METHODS

Protect against zero-day attacks through Java exploits

Protect against rogue apps

INTRODUCING IBM SECURITY TRUSTEER APEX ADVANCED MALWARE PROTECTION

Helping to protect Java by blocking attacks at strategic choke points.

Exploit Chain Disruption

Lockdown for Java

IBM