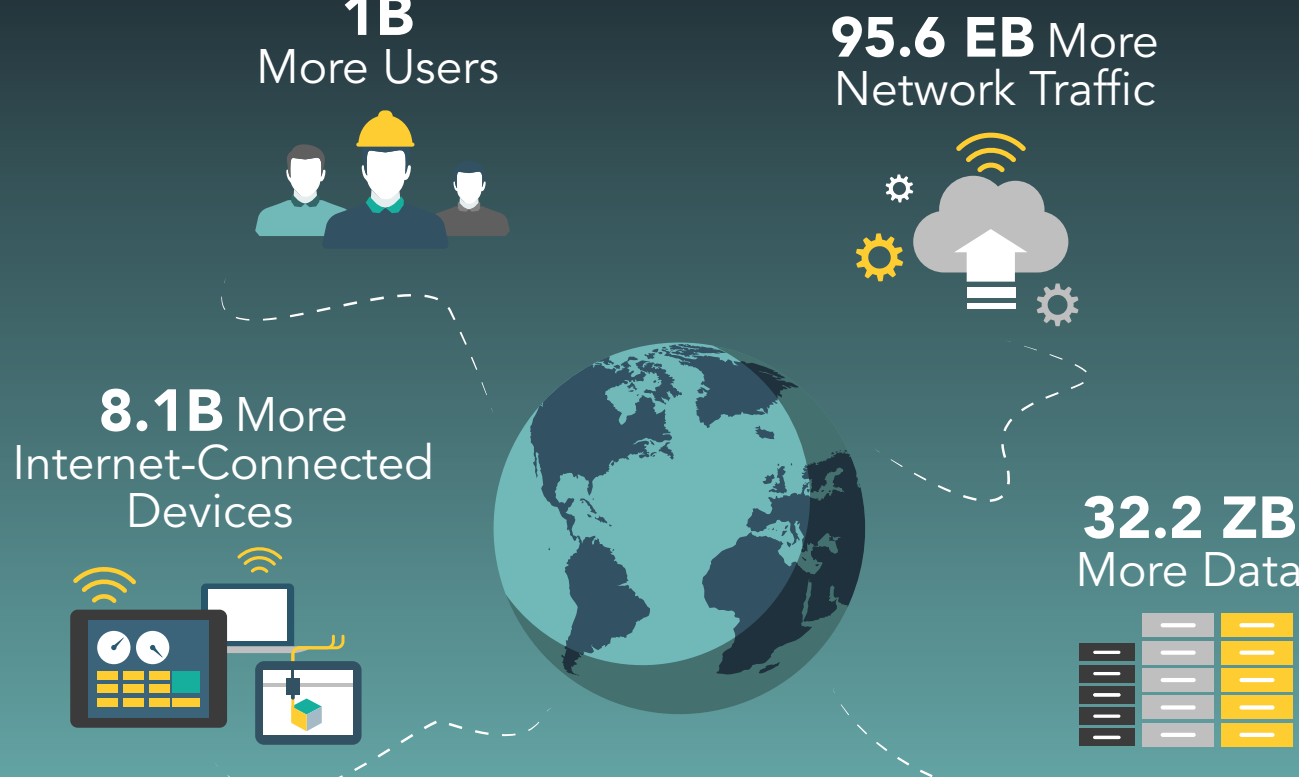


# What's lurking in your code?

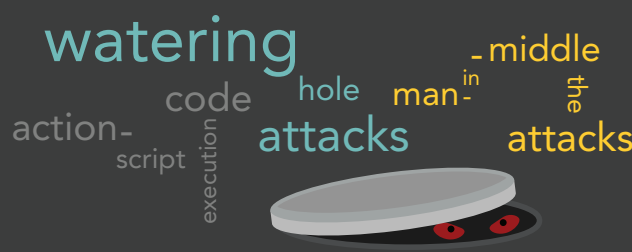
More Connected Devices = More Data = More Risk



## Knock-Knock: Who's There? Zero-Day Exploits Like Heartbleed, Shellshock, and OpenSSL

# 310 days

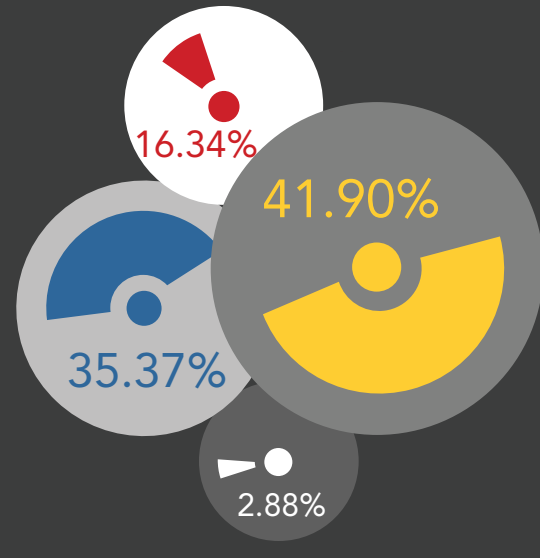
Vulnerabilities discovered by cybercriminals remain unknown to the public for an average of 310 days. That gives cybercriminals ample time to steal organizations' most valuable assets.



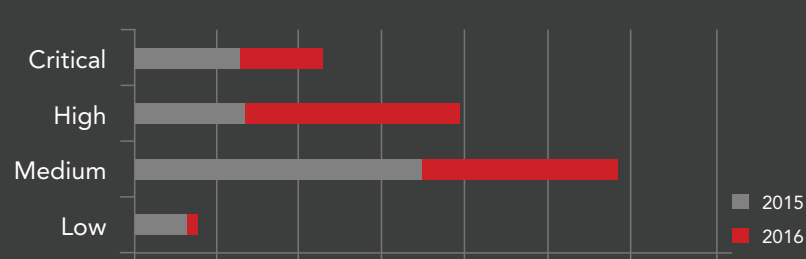
### 2016 Vulnerabilities by Severity

# 6,270

Critical Vulnerabilities and Exposures (CVEs) per year on average over the last 5 years



### 2015-2016 Trends



● Low ● High  
● Medium ● Critical

High severity CVEs doubled from 2015 to 2016.

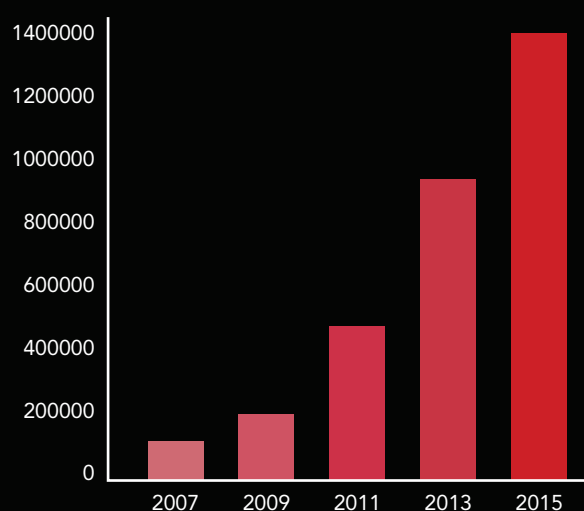
16.34% of vulnerabilities are critical.

McAfee predicted that non-Windows systems would be highly targeted in 2016.

Wind River Linux fixed **5157** CVEs in its Linux products in 2016.

## Opportunities and Challenges with Keeping Your Code Secure

Increasing abundance of open source projects



### The Good

Using open source enables users to take fast action. Information about vulnerabilities surfaces quickly through legions of users and researchers.

### The Bad

Monitoring is not very glamorous. Current research shows that developers are always excited to work on the next emerging technology, not necessarily updating the base platform.



### The Price of Protection

**5** highly skilled engineers required to investigate and address yearly CVEs



# \$500K

Yearly cost to staff a security monitoring team

## Wind River Keeps You Safe



### Monitoring

Monitoring specific security notifications from US Government agencies and organizations like NIST, US CERT, and also public and private security mailing lists.



### Assessment

Determining whether any supported Wind River product is actually susceptible to the vulnerability.



### Notification

Notifying affected customers of the level of susceptibility.



### Remediation

Creating patches for vulnerabilities even before the community publicly announces them, or in the monthly product updates.

Learn how Wind River security monitoring can help you keep your devices protected after deployment: [windriver.com/products/linux/security](http://windriver.com/products/linux/security).

Sources  
 1. <http://www.mcafee.com/us/security-awareness/articles/mcafee-labs-threats-predictions-2016.aspx>  
 2. <https://www2.fireeye.com/WP-Zero-Day-Danger-LP.html>  
 3. <https://nvd.nist.gov/>  
 4. <http://www.slideshare.net/blackducksoftware/2015-future-of-open-source-survey-results>  
 5. <https://cve.mitre.org/>

