#### The Business of Internet Privacy & Security

Michael Marques March 14, 2018



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# **Cybersecurity** is the practice of protecting systems, networks, programs, and data from digital attacks.



"Cybersecurity is one of the most serious economic and national security threats our nation faces."

– President Barack Obama



"My message for companies that think they haven't been attacked is: "You're not looking hard enough".

– James Snook



## By the year 2020, we won't recognize the cloud.

Global adoption of online Video

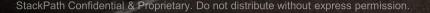
Proliferation of IoT devices



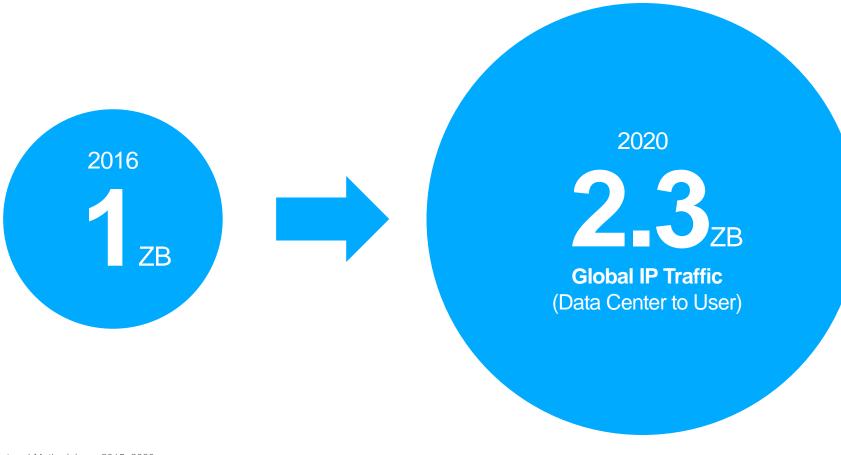
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Exponential growth in malicious activity

Radical evolution of edge services



### One forecast says Internet traffic will have more than doubled.





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<sup>2020</sup> 600<sub>ZB</sub>

Data generated by IoT Devices

#### But, by then, IoT devices alone will generate 275 times that much data.

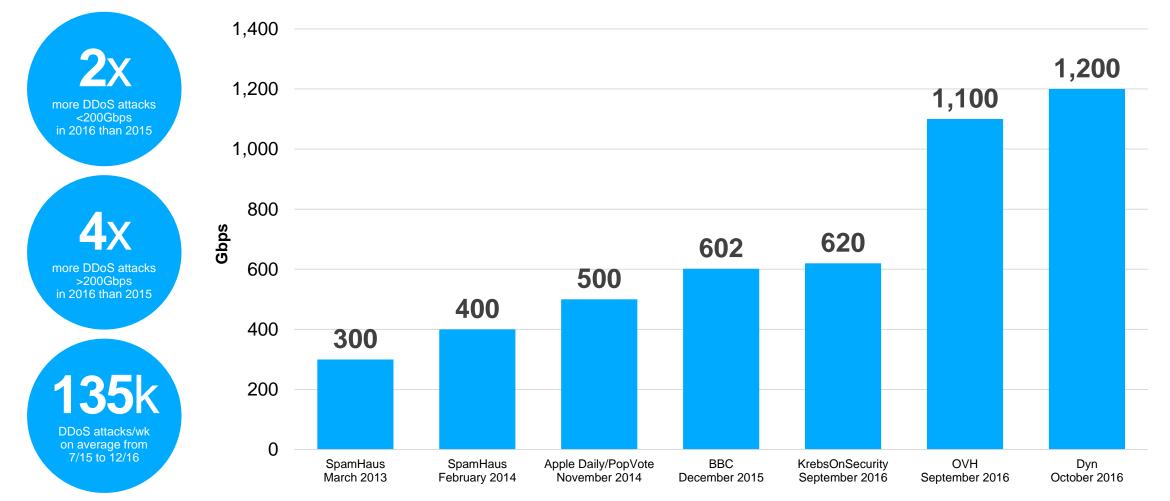


Global IP Traffic (Data Center to User)

Source: Cisco Global Cloud Index: Forecast and Methodology, 2015–2020

### Meanwhile, malicious activity is more than keeping pace.

#### DDoS attacks are growing faster than ever.



Source: Active Threat Level Analysis System StackPath Confidential & Proprietary. Do not distribute without express permission.

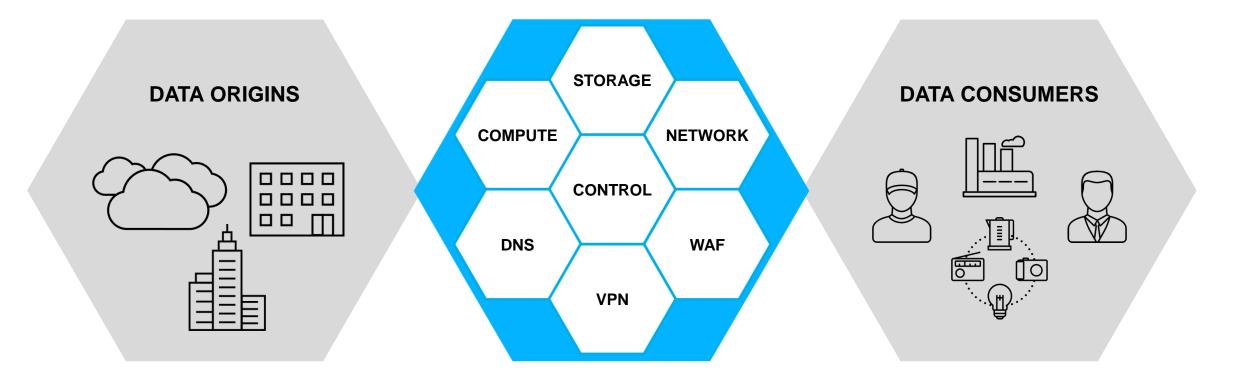


#### Major companies regularly report large breaches.



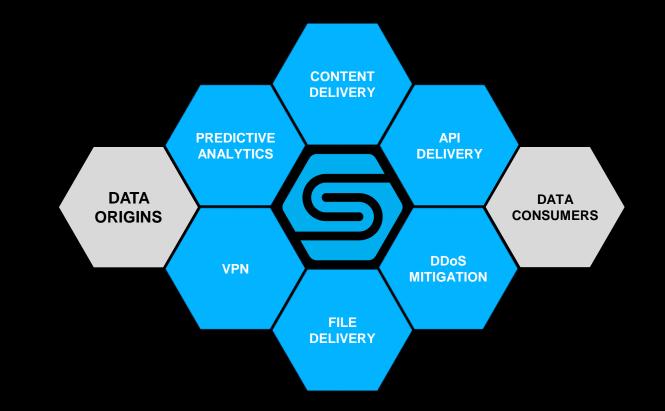
#### StackPath is building a platform of secure services at the cloud's edge.

### Its core is an advanced, global infrastructure designed and automated for cloud scale.

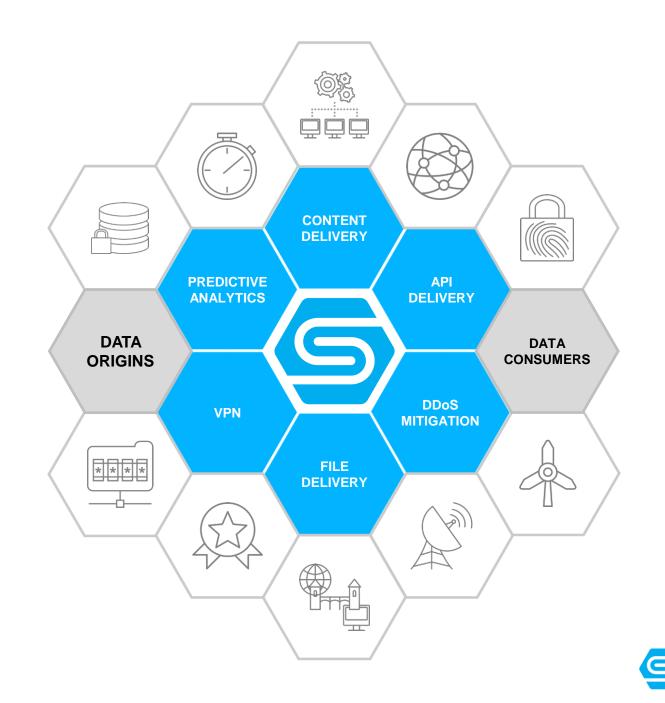




That infrastructure provides the foundation and building blocks with which we can deliver highly-secure edge services.

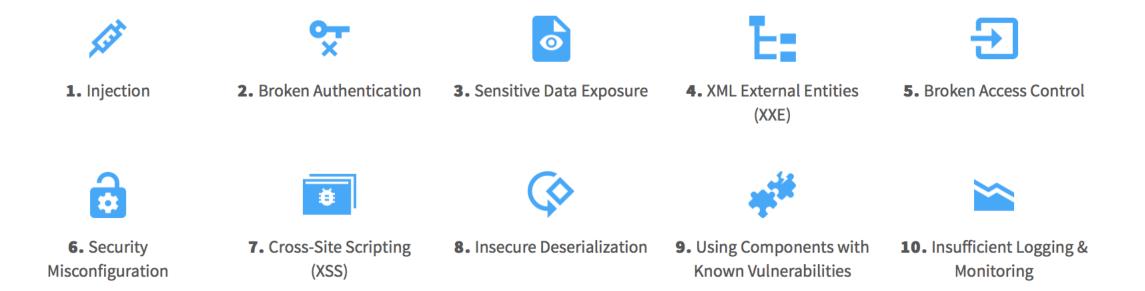


A multi-sided platform, ready for however the Internet grows and whatever we or our customers can innovate.





#### **OWASP's Top 10**





#### **Developers Should:**

- Set goals and security requirements
- Design your security from the start
- Set frameworks & open sources
- Continue to learn
- Log and monitor

- Everyone Should:
  Set up a VPN Don't trust unsecured or public Wi-Fi
- Use email encryption ullet
- Set your account information to private ightarrow
- Change your password and don't use for multiple accounts ullet
- Log out as soon as you're done with a site ightarrow
- Provide only the minimum amount of information required ulletwhen creating an online account
- Have a credit card only for online purchases ullet
- Monitor your accounts ightarrow
- Keep your anti-virus software current
- Be smart Don't wire transfer money, send W2s, or help out a Saudi prince

#### RESOURCES

- StackPath: <u>www.stackpath.com</u>
- Homeland Security Stop. Think. Connect. Toolkit: <u>https://www.dhs.gov/stopthinkconnect-toolkit</u>
- National Cyber Security Alliance: <a href="https://staysafeonline.org/stay-safe-online/">https://staysafeonline.org/stay-safe-online/</a>
- FDIC: <a href="https://www.fdic.gov/consumers/assistance/protection/idtheft.html">https://www.fdic.gov/consumers/assistance/protection/idtheft.html</a>
- Federal Trade Commission: <a href="https://www.ftc.gov/tips-advice/business-center/privacy-and-security/data-
- Global Knowledge: <a href="https://www.globalknowledge.com/us-en/content/articles/10-ways-everyone-should-approach-cybersecurity/">https://www.globalknowledge.com/us-en/content/articles/10-ways-everyone-should-approach-cybersecurity/</a>





#### Thank you

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