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

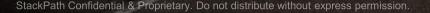
Proliferation of IoT devices



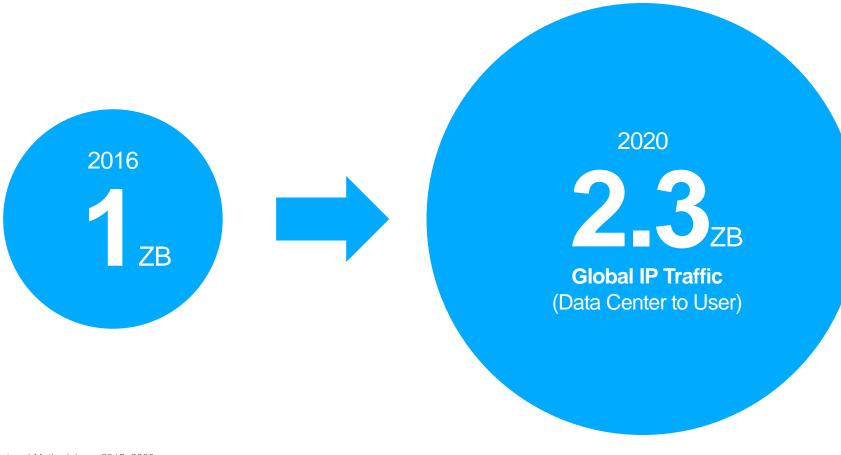
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Exponential growth in malicious activity

Radical evolution of edge services



One forecast says Internet traffic will have more than doubled.



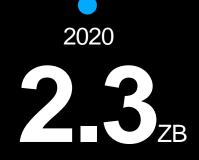


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Data generated by IoT Devices

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

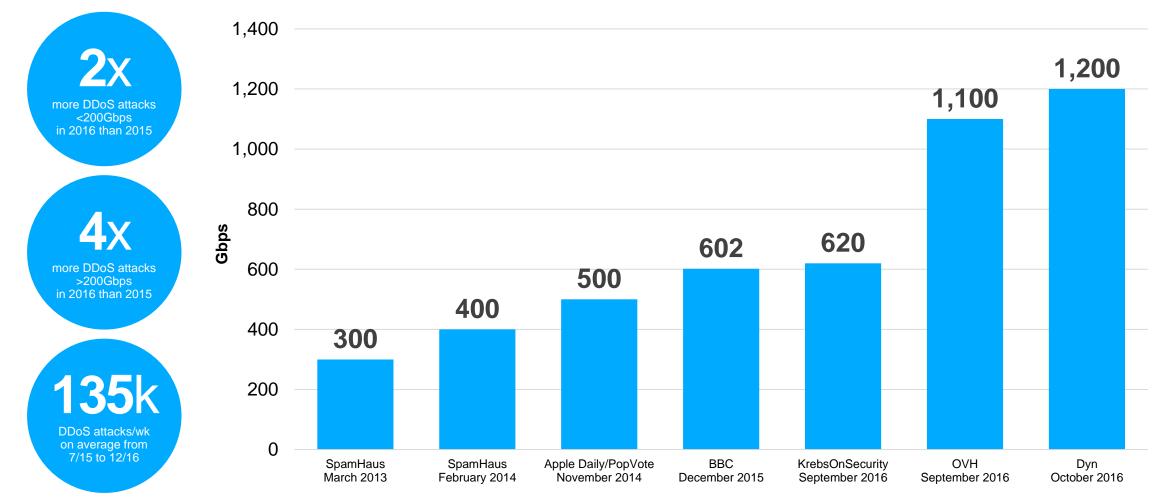


Global IP Traffic (Data Center to User)

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.

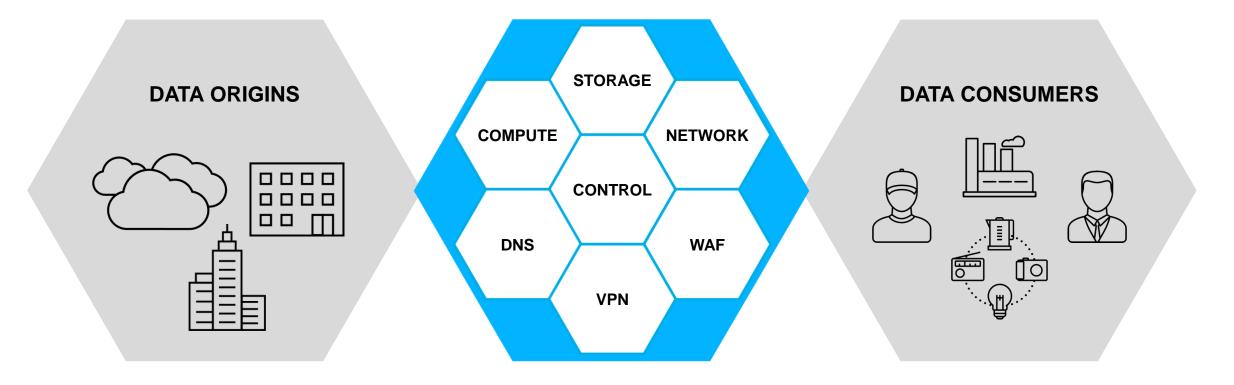


Major companies regularly report large breaches.



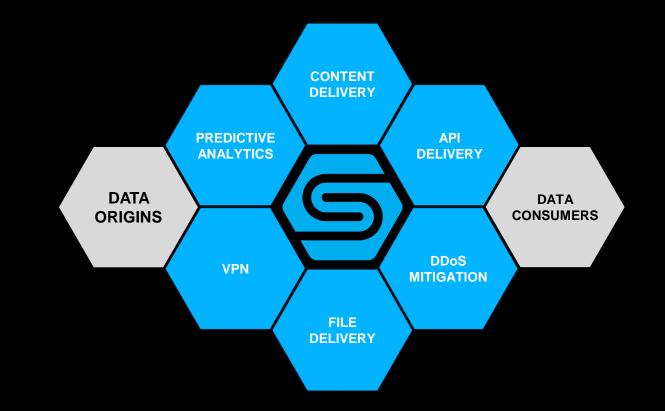
StackPath is building a platform of secure services at the cloud's edge.

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

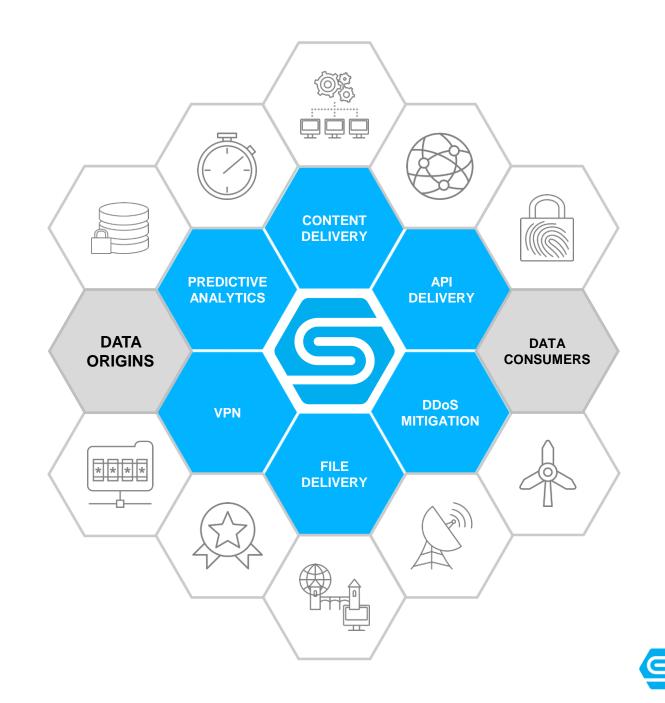




That infrastructure provides the foundation and building blocks with which we can deliver highly-secure edge services.

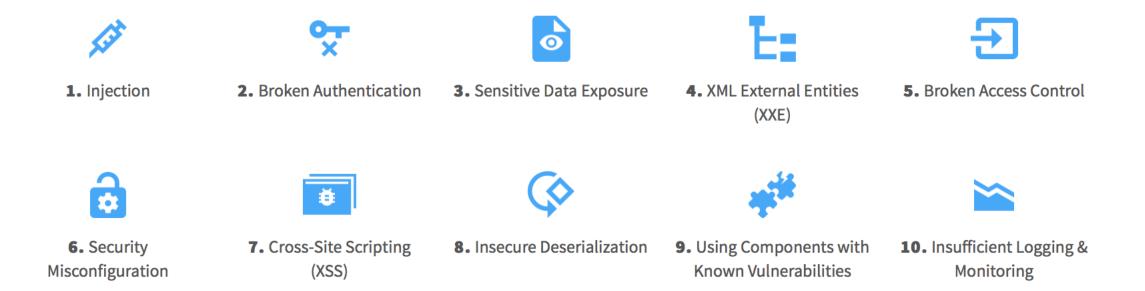


A multi-sided platform, ready for however the Internet grows and whatever we or our customers can innovate.





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: https://staysafeonline.org/stay-safe-online/
- FDIC: https://www.fdic.gov/consumers/assistance/protection/idtheft.html
- Federal Trade Commission: <a href="https://www.ftc.gov/tips-advice/business-center/privacy-and-security/data-
- Global Knowledge: https://www.globalknowledge.com/us-en/content/articles/10-ways-everyone-should-approach-cybersecurity/





Thank you

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