The Ever Expanding Cloud

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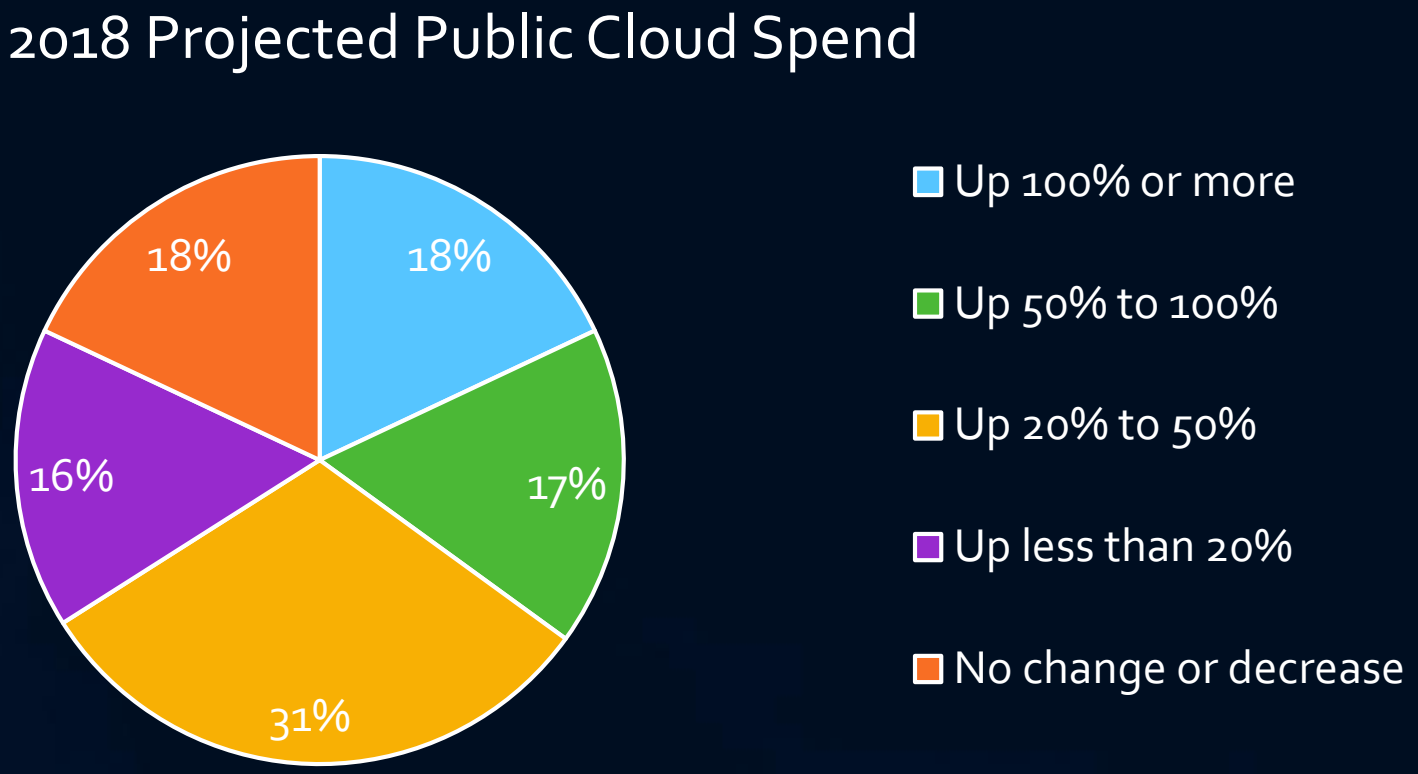
The Ever Expanding Cloud

- The current state of Cloud Computing
- Why Cloud Computing will continue an aggressive growth pattern
- Cloud Computing challenges

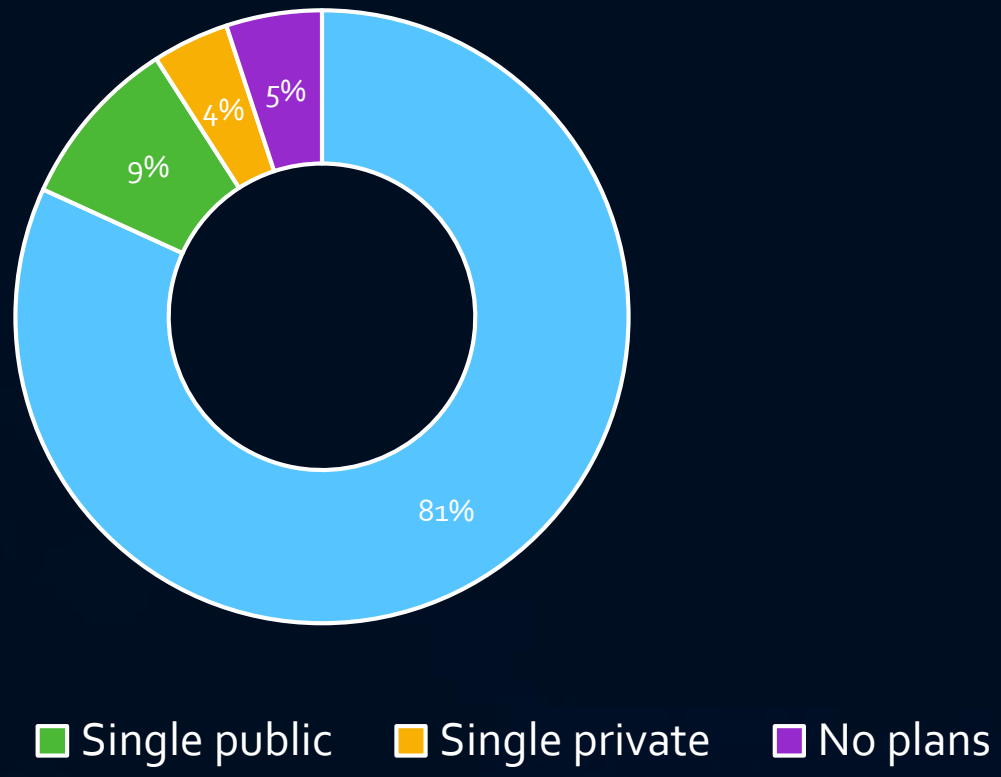
Demand for Cloud Computing continues to be strong

- Both public and private cloud adoption grew in 2018 for all industries
- Amazon Web Services is no longer the runway leader especially among enterprise users
- Cost optimization was at the top of the list of Enterprises using cloud computing

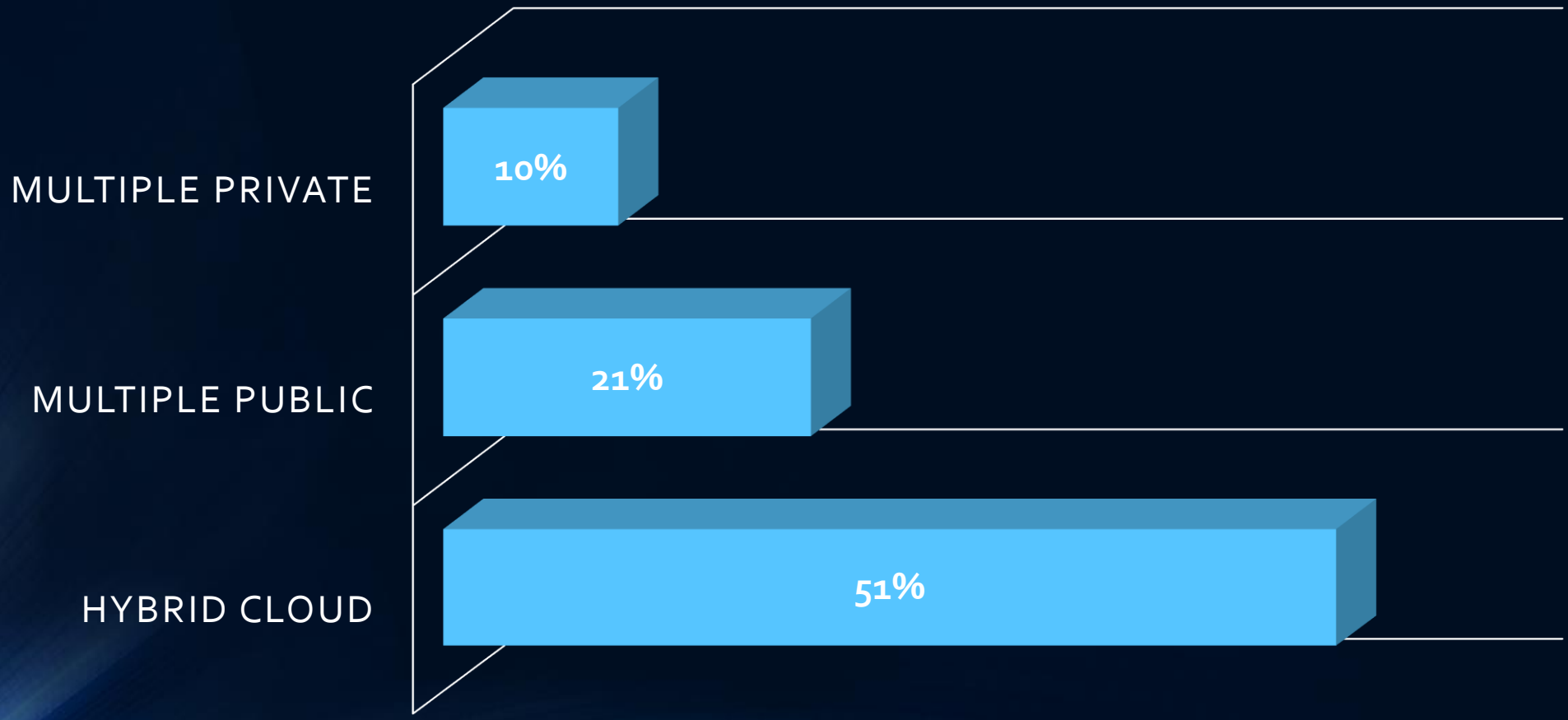
Lots of $$$ going to the Cloud



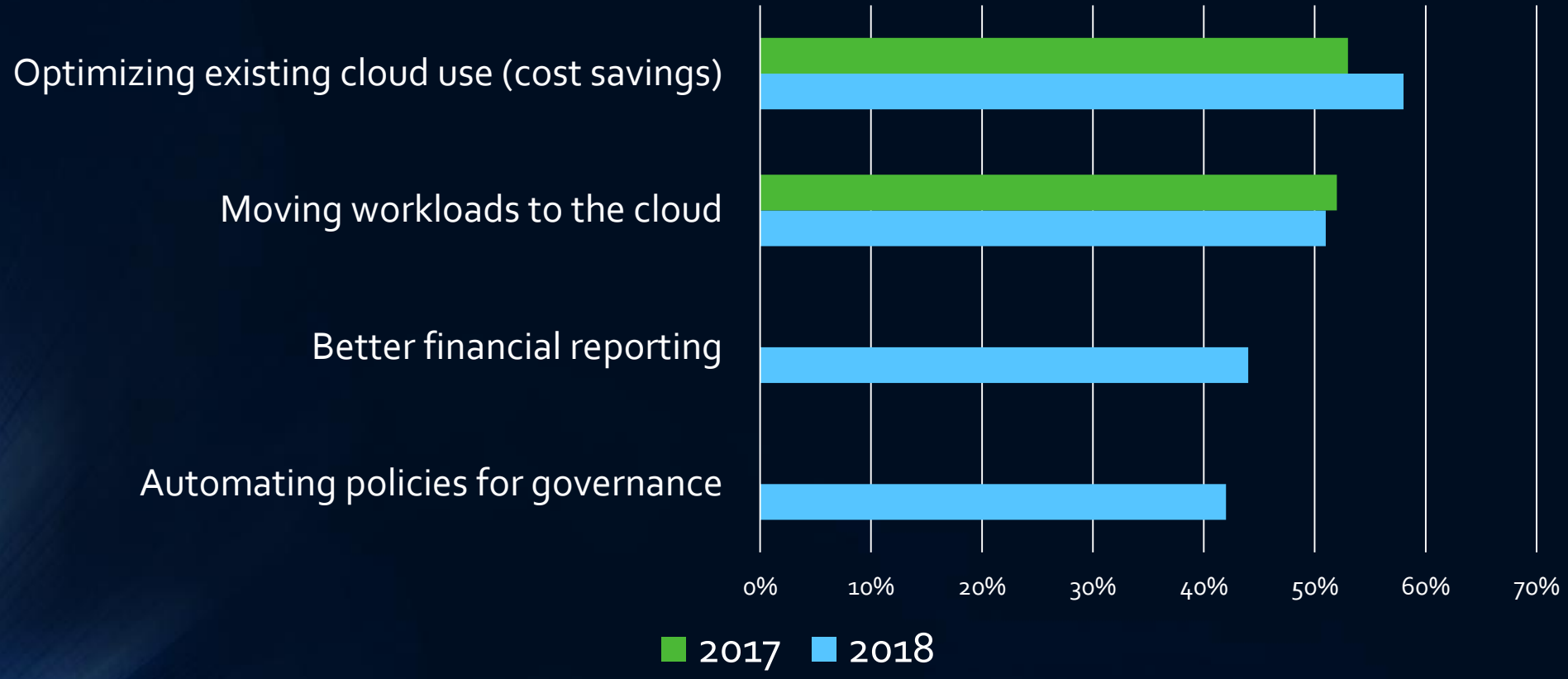
Multi-Cloud is the preferred strategy for enterprises



Multi-Cloud Breakdown



Top Cloud Initiatives 2018 vs 2017



Big Data means a Bigger Cloud

- Retailers have created large databases of recorded customer activity
- Public Social Media is creating massive quantities of big data
- Tech companies want to keep you in their cloud to lock you in into their ecosystem
- Internet of Things (IoT)

The 3 Vs of Big Data

Volume

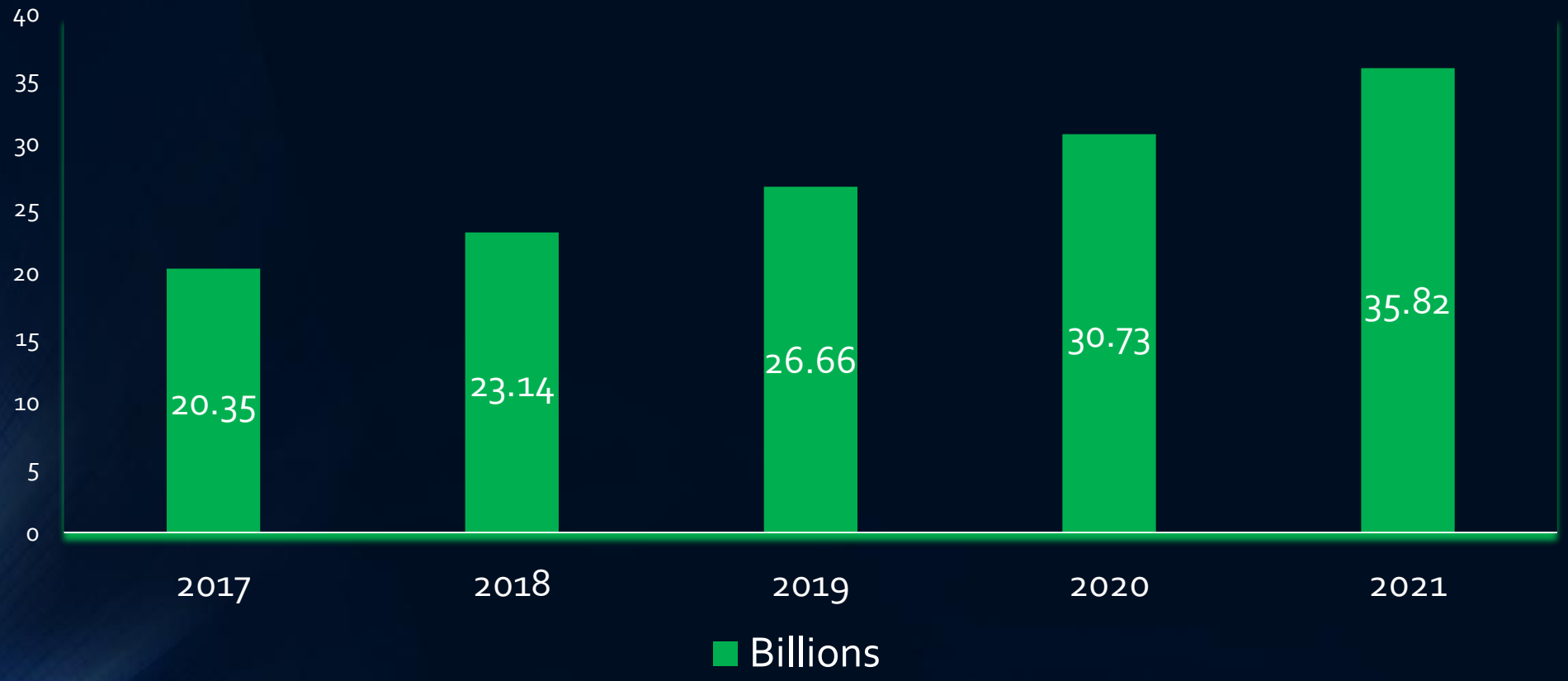
Velocity

Variety

Internet of Things (IoT)

- IoT extends Internet connectivity beyond the traditional devices like laptops, smartphones and tablets
- These devices use embedded technology to communicate and interact over the Internet
- The ability to emit and receive information

World wide installed base of IoT connected devices from 2017 to 2020



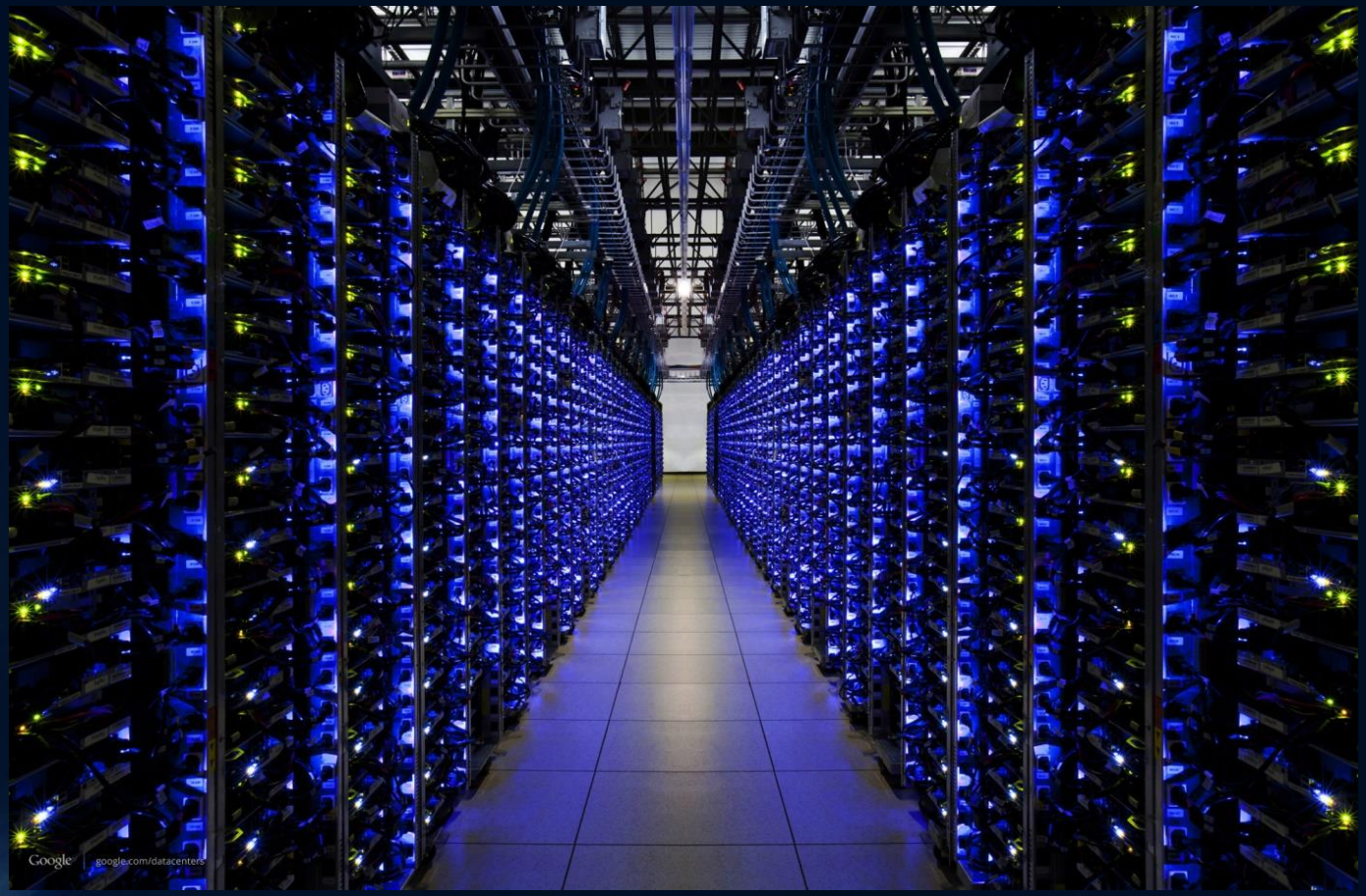
Internet of Things (IoT)

- IoT is all about producing millions of data points
- When you think of IoT don't think just about the device and ending at the device
- Think about the production of millions of data points and the rapid consumption of that same data

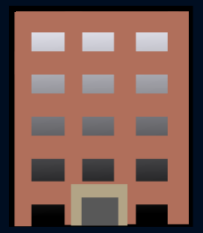
More data than ever before

- Marketers and retailers love Big Data
- IoT devices will become even smarter
- IoT devices that will record patterns of consumer behavior
- In time making intelligent product recommendations

When data was in your Data Center



How much of your business data is in the Cloud?



- Most of your data resides in your data center just 5-10 years
- A recent survey of IT leaders - At least 30% of business data is in the cloud
- Those mechanisms you had in place to protect data are no longer effective

IoT Devices are a Target

- IoT devices use a limited version of embedded Linux
- Many IoT devices may not support a security client
- IoT devices are now in the workplace accessing your network

30/70 Split in the Cloud

30%

70%

- About 30% of cloud apps are being managed by IT
- 70% of cloud apps are unmanaged

More than 700 cloud apps

Today's typical enterprise has more than 700 cloud apps running on the network

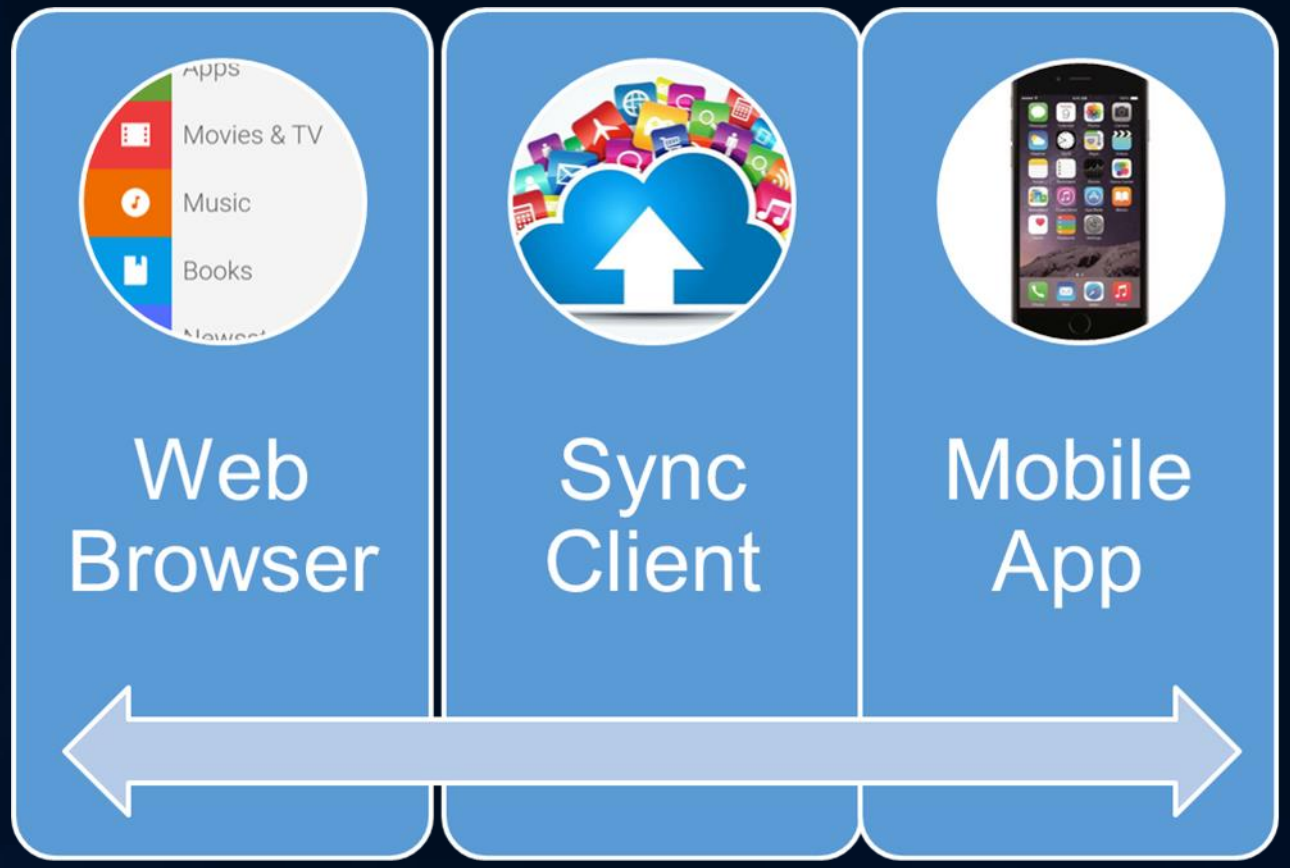
1. IT Managed – Sanctioned by the leadership and administered by IT. Examples are Office 360, Box, Salesforce
2. Business Units – Sales, marketing, accounting and development teams are setting up their own cloud apps
3. User-led – Employees accessing and directly downloading cloud apps

Cloud apps pose a risk

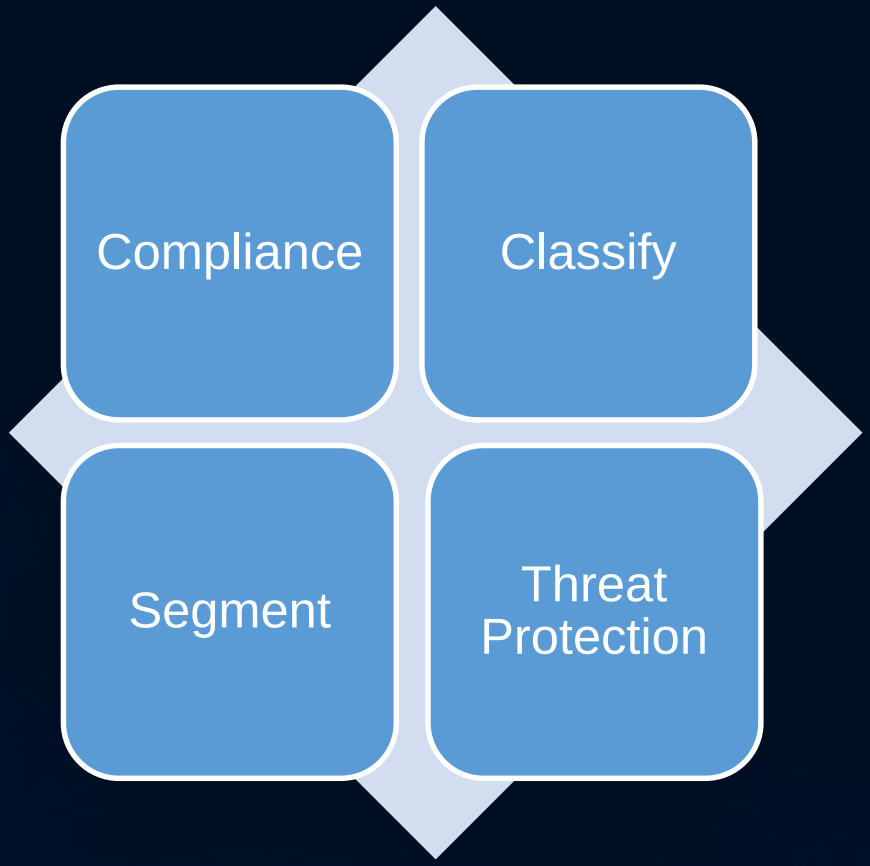
- Data Breaches
- Failed Audits and Fines
- Theft of IP or Sensitive Data

Business Disruption
Loss of Reputation

Three main ways users interact with cloud apps



How to protect your important data?



Consider a CASB partner

- A Cloud Access Security Broker (CASB)
- A CASB sits between user and cloud application
- Visibility and control of cloud apps as they are accessed

Summary & Takeaways

1. Multi-cloud strategy consisting of a hybrid cloud
2. Financial reporting and automated policies are the new focus for 2018
3. IoT will drive the new growth of Big Data
4. Unmanaged web applications will continue to thrive
5. Classify and protect your Data

Q&A

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