

# PWC G8 Gals@Technology

Send In The Clouds  
Everything Cloud-ish

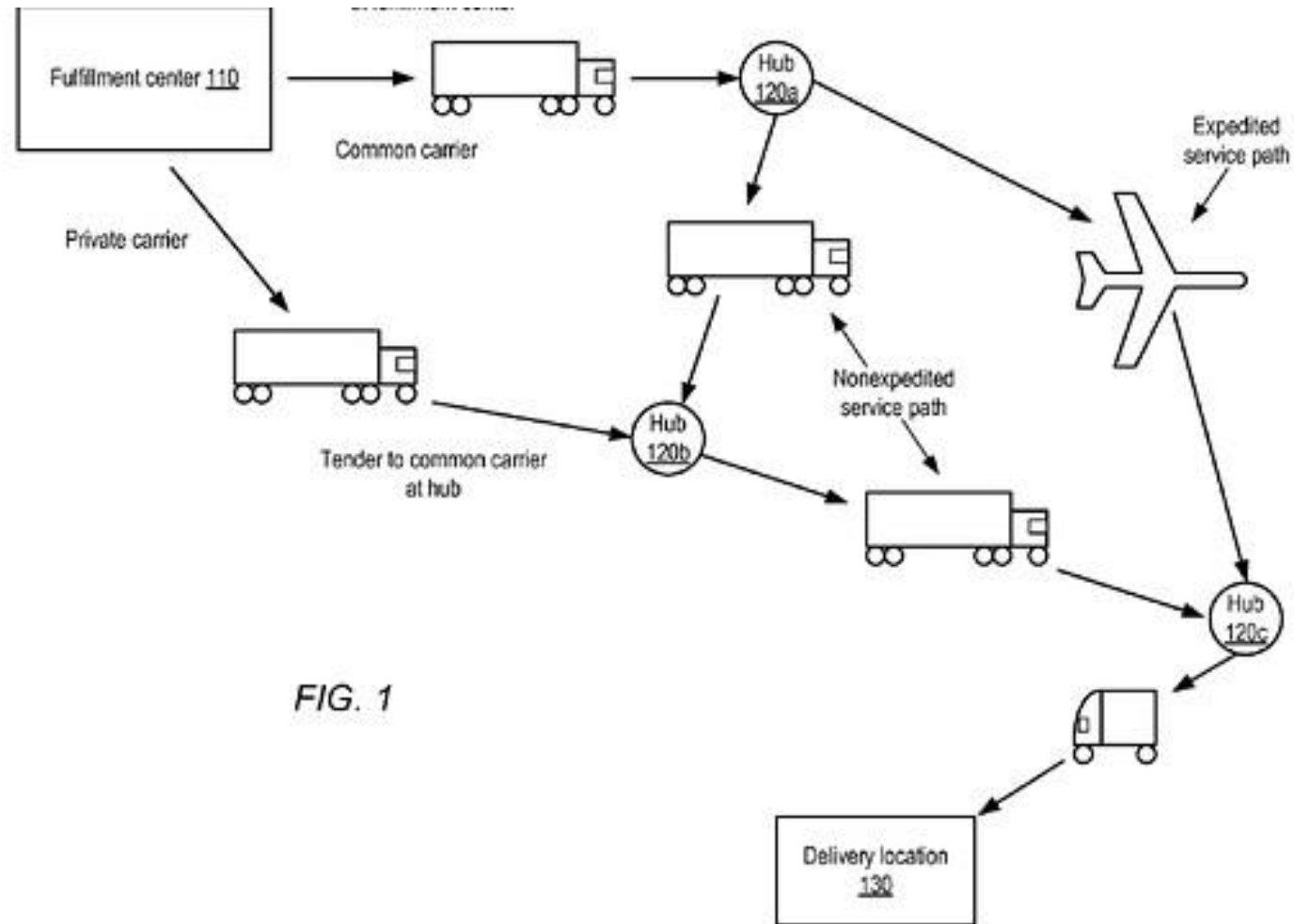
ARE YOU  
SURE THIS IS  
HOW WE GET  
DATA INTO  
THE CLOUD?



# Current Topics

- Net Neutrality – try [fast.com](http://fast.com) by Netflix
- Is Apple now “just a commodity company”?
  - More Chromebooks were sold in 1Q16 than all of Apple’s Mac line (1.6M)
- Voice recognition devices
  - Hey Siri
  - Hey Cortana
  - Hey Alexa
  - OK Google
- Messaging system confusion – Allo, Duo, Telegram, Signal, .....

# Distribution is Nothing New





# What Is “Cloud Computing”?

*From Wikipedia:*

Cloud computing is Internet-based computing, whereby shared resources, software and information are provided to computers and other devices on-demand...

*[http://en.wikipedia.org/wiki/Cloud\\_computing](http://en.wikipedia.org/wiki/Cloud_computing)*

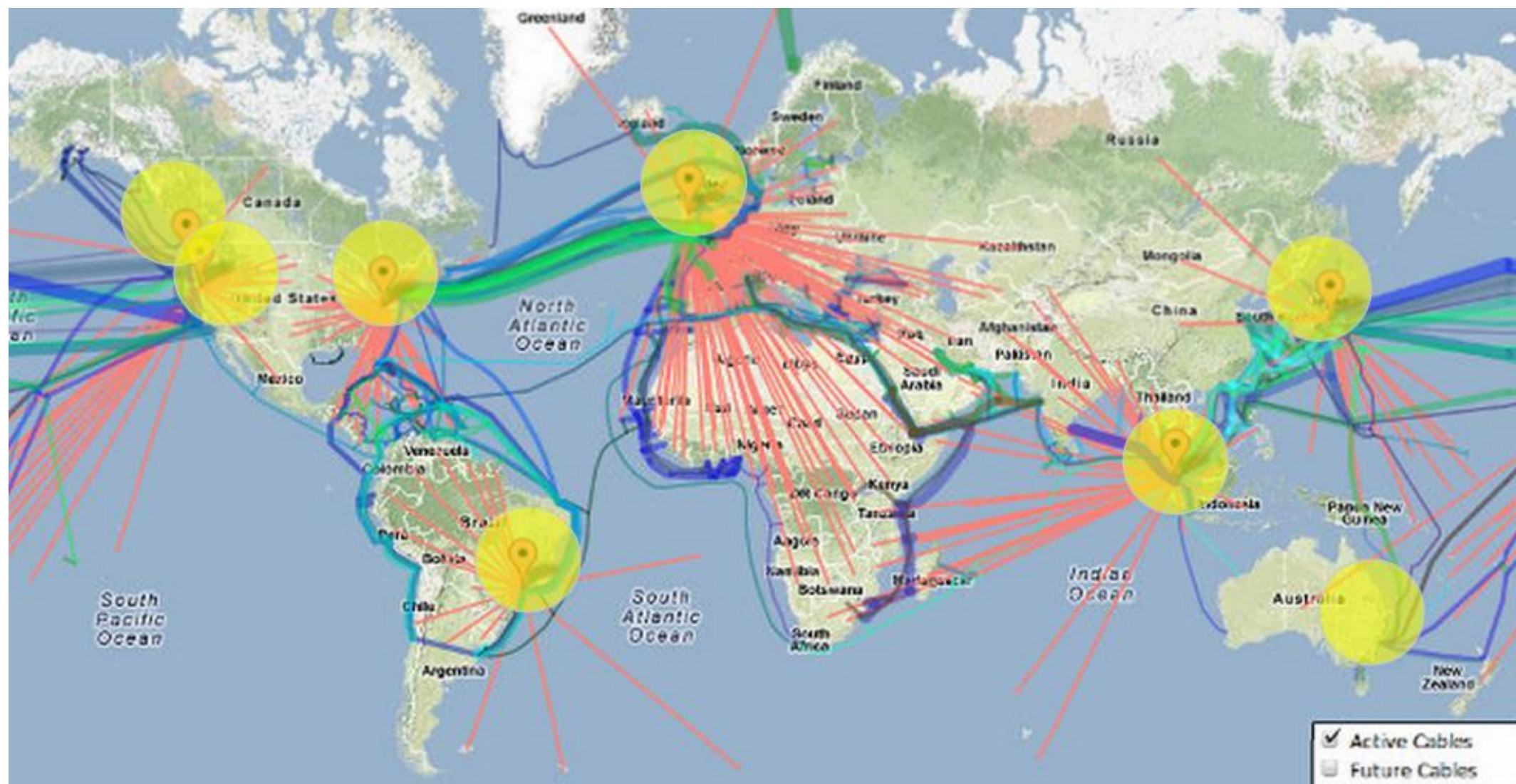


# Factors That Contribute To The Cloud

- Desktop PC is no longer the “primary device”
- Multiple devices with multiple copies/missing data
- Cheap storage
- Improved Internet Speed (problem in Indiana)
- Desire to share and collaborate
- Massive increase in mobile (outside the home) devices



# Data Centers (The Cloud)





# Pros

- Lower upfront costs and reduced infrastructure costs
- Easy to grow
- Scale up or down at short notice
- Pay as you go
- Environmental benefits (lower carbon emissions)

# Cons

- Continuing operational costs
- Greater dependency on service providers
- Risk of being “locked in” to eco-system, proprietary formats
- Risk of cloud “evaporating”
- Potential privacy and security risks
- Dependent on reliable internet connection

# Buzzwords

- IaaS – Infrastructure as a Service – Virtual storage, machines, load balancing, networks ...
- PaaS – Platform as a Service – Execution, databases, web server, development tools ...
- SaaS – Software as a Service – Email, virtual desktop, games, communication

# Cloud Storage

- **Integrated**

- OneDrive
  - Demo
- iCloud
  - Calendar Integration Demo
- Google Drive
  - Demo
- Dropbox

- **On-Demand**

- Amazon
  - Demo
- Mozy
  - Demo
- Carbonite

# Google Apps

The screenshot shows the Google Drive web interface. The browser address bar displays <https://drive.google.com/drive/my-drive>. The Google logo and search bar are at the top. The left sidebar contains navigation options: My Drive (selected), Shared with me, Google Photos, Recent, Starred, and Trash. Below these, it shows storage usage: 5 GB of 15 GB used, with an option to Upgrade storage.

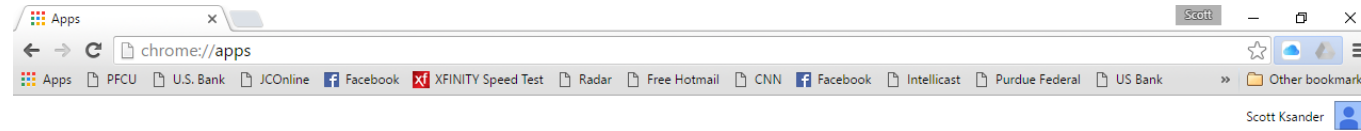
The main content area displays a grid of files. The file 'Disney 2016' is selected and highlighted in blue. Other files visible include '9-26-2010', 'Amy Phone', 'Brayden's Bd...', 'Disney Stock...', 'Family Gathe...', 'Jason Phone...', 'Jeff Phone', 'Leitze Ipad', 'Peggy Ipad', 'Photopass', 'PJK PHONE', 'SLK Phone', 'wimages', '60 Day Email wit...', 'Disney 2013', 'Jeff Ksander Itin...', 'Ksander - 3MR48...', 'Ksander 3MR48...', 'Ksander Itinerary...', 'Leitze - 3MR483...', and 'Leitze Itinerary.p...'.

The right-hand pane shows the details for the selected file 'Disney 2016'. It includes a preview of the Google Sheet, a list of collaborators (S, A, J, K, P, G), and the following metadata:

- Type: Google Sheets
- Size: —
- Storage used: 0 bytes (Google Sheets files are free)
- Location: My Drive
- Owner: me
- Modified: Apr 6, 2016 by Jeff Ksander
- Opened: 10:23 AM by me
- Created: Nov 17, 2015 with Google Sheets

At the bottom of the details pane, there is an option to 'Add a description' with a pencil icon.

# Google Apps Demo



Web Store



Google Docs



Gmail



Google Search



YouTube



Google Drive



Google Slides



Google Sheets

Discover the Chrome App Launcher

[Learn more](#)





# Future??

- Cloud desktop/virtual computer?

The screenshot shows the Amazon WorkSpaces Pricing page for North America. The page is titled "Amazon WorkSpaces Pricing by AWS Region" and includes a navigation menu on the left with options like "Amazon WorkSpaces", "Product Details", "Pricing", "FAQs", "Testimonials", "Resources", and "Application Manager". The main content area is divided into "Hardware Options" and "Application Options".

**Hardware Options**

WorkSpaces Bundle	Hardware Resources	Monthly Price*	BYOL Monthly Price*
Value	1 vCPU, 2 GiB Memory, 10 GB User Storage	\$25	\$21
Standard	2 vCPU, 4 GiB Memory, 50 GB User Storage	\$35	\$31
Performance	2 vCPU, 7.5 GiB Memory, 100 GB User Storage	\$60	\$56

**Application Options**

WorkSpaces Bundle	Applications	Additional Monthly Price*
Value, Standard, Performance	Utilities (Internet Explorer 11, Firefox, 7-Zip)	No additional charge
Value Plus, Standard Plus, Performance Plus	Microsoft Office Professional, Trend Micro Worry-Free Business Security Services, Utilities (Internet Explorer 11, Firefox, WinZip)	Additional \$15

\* Each WorkSpace is billed on a monthly subscription. Charges are prorated for the remainder of the first month, and subsequent months are billed for the entire month. BYOL (Bring Your Own License) pricing is available to eligible organizations that bring their Windows 7 Desktop Licenses to Amazon WorkSpaces. Amazon WorkSpaces is not eligible for the AWS Free Usage Tier. For more information, please see the [Amazon WorkSpaces FAQs](#).

THIS IS SO SUDDEN!  
I'M NOT SURE I'M READY  
TO SYNCHRONIZE MY  
IPAD WITH YOURS.



© D. Fletcher for CloudTweaks.com