

A Quick Check-in.....

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THE GC YOU SH OLLI WINTER 202 Mondays, January 9:30–11:30 a.m (Please help us im	OULD 0 COURSES / 27-March 2	KNO				AND	WHY
What is the wee	ek number?						
	1	2	3	4	5	6	
Week 1	0	0	0	0	0	0	Week 6



What We Cover Today

- Quick review.....
- Big Data
- This week
- · Computer memory and cloud storage
- 5G and big players
- Securing your computer
- Discussion



















Cloud Storage

- Video: <u>https://www.youtube.com/watch?v=HZ-2gYd1Ces</u>
 Google Data Center:
- https://www.youtube.com/watch?v=XZmGGAbHqa0





	4 Cell P	hone Ge	nerat	tions Co	mpared	
	Standards	Technology	SMS	Voice Switching	Data Switching	Data Rates
G	AMPS, TACS	Analog	No	Circuit	Circuit	N/A
G	GSM, CDMA, EDGE, GPRS	Digital	Yes	Circuit	Circuit	236.8 kbps
G	UTMS, CDMA2000, HSPDA, EVDO	Digital	Yes	Circuit	Packet	384 kbps
G	LTE Advanced, IEEE 802.16 (WiMax)	Digital	Yes	Packet	Packet	up to 1 Gbps











5G Evolution

- Was supposed to appear in the market by 2020
- Features:
 - Faster speeds (a minimum of 1 Gbps and perhaps up to 10 Gbps)
 - Lower power requirements
 - Support for huge numbers of new devices
 - Faster dialing speeds
 - Faster access to cloud
 - Allow putting devices everywhere
 - Facilitates face recognitions, and IoT
 - and more....



More about 5G

- Video:
- https://www.youtube.com/watch?v=2DG3pMcNNIw&list=P LmHdJRGZS3izGZtBj9p8-xM5sX7PdaJxM&index=33





What is the issue with Huawei?

- · Owns vast number of 4G equipment
- Has a greater domination in 5G market than its competitors leading the 5G tech race!
- During the last decade or so it has stormed into the consumer market as a smartphone manufacturer and now owns 16% of the market.
- Five Eyes countries have accused the company of major network security breaches
- For these countries having a dominant company that owns all the networking equipment is rightly troubling
- So what is the solution:
- Find an alternative company
 Stop the company!





Huawei's position in 5G

17.0%

2018 market share Source: Dell'Oro





What is the issue with Huawei?

The Senate passed a bill that would prohibit the use of federal funds to purchase equipment from Huawei and provide \$1 billion for rural telecom companies to replace equipment from the Chinese tech giant that the U.S. has blacklisted.

24.8%

81415

Bipartisan lawmakers on the House Committee on Energy and Commerce, including Chairman Frank Pallone Jr., D-N.J., ranking member Greg Walden, R-Ore., and Reps. Doris Matsui, D-Calif., and Brett Guthrie, R-Ky., sponsored the bill.

How to protect your computer and your data

Protect yourself & your data Pay attention to your passwords: Use strong passwords (BOA_CharlsandMag92) Don't use trivial names Don't Emails: Prote amail important information is one signal equal to dd

- Emails: Do not email important information in one single email: add password Don't click on email attachments you don't know the sender Be careful with any email that isn't addressed to you personally Don't ever send important information via email call them Avoid Phishing Emails Be Alert to Impersonators Keep your software updated Magnetic provide a strengthered

- Reep your software updated Manage your social media settings Make sure your WIFI has a strong password Use Antivirus software such as <u>Bitdefender</u>, <u>Norton</u>, or <u>Kaspersky</u>, and more.... Logout if you use any public computer for checking your email Back up your important files Don't save important information on the cloud!
- .



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Spelling an Thesaurus. Hyphenatic Smert Looi Translate Language. • A• A• /

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256GB 512GB **1TB**