



*"Insider Tips To make Your Business Run Faster, Easier And More profitably"*

### Food For Thought

#### FROM THE TOP TECH HEADLINES...

WhatsApp's new privacy policy reveals it will share data with Facebook for targeted user ads  
[Betanews.com](http://Betanews.com) 8/26/2016

'Touch Disease' breaking Apple iPhone 6 and 6 Plus screens -- millions of devices at risk  
[Betanews.com](http://Betanews.com) 8/24/2016

Apple issues iOS 9.3.5 update, patching serious security issues discovered just 10 days ago  
[Appleinsider.com](http://Appleinsider.com) 8/26/2016

Google slows down Fiber deployment, may switch to wireless  
[Betanews.com](http://Betanews.com) 8/29/2016

Mozilla wants EU copyright law reform  
[Betanews.com](http://Betanews.com) 8/29/2016

MIT researchers discover method to triple wireless speeds  
[Computerworld.com](http://Computerworld.com) 8/23/2016

XML is toast, long live JSON  
[CIO.com](http://CIO.com) 6/9/2016

New Google tool cuts JavaScript code down to size  
[CIO.com](http://CIO.com) 8/29/2016

What Salesforce's acquisition of Quip means for enterprise software startups  
[Techcrunch.com](http://Techcrunch.com) 8/29/2016



## Go Mobile - Without Killing Your Data

What if you could tap into the top talent in your industry, no matter where in the world they are? With the power of the mobile web, your all-star team is now – literally – at your fingertips.

Consider this: 83% of workers report that they prefer using cloud apps over those deployed on-premise. Millennials, who will make up almost 50% of the available workforce by 2020, are “digital natives.” And don’t forget how much money remote workers allow you to save on real estate and office equipment.

Yet there are risks. Spreading your network around the world on a variety of devices you don’t control can expose your data in more ways than ever before. The key is to find the right balance between protection and productivity. Here, then, are five ways to effectively “mobilize” your workforce – without endangering your data:

**Collaborate In The Cloud** – A plethora of online collaboration tools have sprung up that make it easy for a geographically dispersed team to access and share the same files in real time. These tools not only make sharing easy and instantaneous, they help your team communicate quickly and effectively. Tools like Slack, HipChat, Asana, Podio and Trello – to mention just a few of the most popular options – are proving to make teams more productive. And that includes keeping critical data safe and secure.

**Expand Elastically** – In-house investments in IT hardware, software and staff can lock you into a rigid structure that can’t easily adapt to changes in demand. A cloud-based mobile workforce is able to contract and expand more easily as needs arise, and with very little loss of capital. Bottom line: use a VPN (virtual private network) and

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### September 2016



*A message  
from the  
owners...*

"As a business owner, you do not have time to manage the technical & operational issues. That is where we have your back! Call us and put an end to your IT problems finally & forever!"

**Dale & Mark,**  
**Class Computing**

cloud-based collaboration tools to remain agile, flexible and competitive.

### Cut Costs

#### Dramatically –

Physical work areas, equipment, software and on-site security expenses can add up. Instead of spending money on office space, equipment and infrastructure, invest it in innovation and refinement. Combine the power of the cloud with a well-designed workflow to reduce the number of people needed to get things done. That will free up your key players to focus on more important tasks – the ones that boost productivity and ROI.

**Deal With BYOD** – Let's face it, BYOD (bring your own device) can be your greatest IT security threat. Yet, like it or not, workers will use their own devices on the job. Foisting strict controls without buy-in will just backfire. Yet doing

nothing simply makes you a sitting duck for a cyber-attack. Solution? First, audit how your employees use their devices. Note the data they

access and the apps they rely on. Group them by the levels of security and compliance they need to be governed by. A CEO, for example, may need to abide by financial regulations.

An HR manager must deal with employment laws. Armed with

information from your audit, you can roll out new policies as well as technical and process controls. Train your team in safe practices. And be sure to contact us for help in getting all this done securely and effectively.

#### Go Remote Without Risk –

Whether you want to cut commuting time for your team, tap into the talents of experts outside your locale or simply accommodate a worker caring for family members, mobilizing your workforce can have big benefits. The trick is defending it at all points. Make sure remote workers share files and

communicate with other employees only via a secured network. Make sure they use adequate virus protection. And, if they are using WiFi, either at home or on the road, make sure they do it safely. For instance, ensure that their tablet isn't set to automatically connect to the default wireless network. That's often an easy access point for hackers.

#### Free Mobile Risk Assessment – Limited Time Only!

To help you manage a mobile workforce without endangering your data, **WE ARE GIVING AWAY A Free Mobile Risk Assessment, normally valued at over \$300, to the first 10 companies who request it by September 30.**

**E-mail us at:**

**mseplowin@classcomputing.com**  
**dschwer@classcomputing.com** or  
**CALL TODAY (312) 262-3930**

to set yours up today. It's your best bet for keeping ahead of the competition – while keeping your company's data safe and secure.

*“Doing nothing simply makes you a sitting duck for a cyber-attack.”*

## Help Us Out And We'll Give You A Brand-New iPod For Your Trouble



We love having you as a customer and, quite honestly, wish we had more like you! So instead of just wishing, we've decided to hold a special "refer a friend" event during the month of July.

Simply refer any Company or Fire District with 10 or more computers to our office to receive a FREE Computer Network Assessment (a \$397 value). Once we've completed our initial appointment with your referral, we'll rush YOU a free iPod Nano of your choice as a Thank You (or donate \$100 to your favorite charity ... your choice!). Simply call us at **(312) 262-3930** or e-mail us at **sales@classcomputing.com** with your referral's name and contact information today!

## Shiny New Gadget Of The Month:



## FitBark Keeps You And Your Dog Healthy

Do you know how well your dog slept last night? How much nutrition – or exercise – your dog really needs? Whether your pup is being well-cared for at doggy day care?

With FitBark you would know all this, and more, about your favorite canine pal.

Doggy health monitors are nothing new. But, according to hundreds of verified reviews on Amazon, Best Buy, App Store and Google Play, FitBark leads the pack.

FitBark attaches to your dog's collar and shares data with FitBark Explore, a dog health data bank that collaborates with over 20 leading universities and research institutions in North America and Europe to gain a better understanding of dog health.

You benefit from all this data by tapping into what FitBark calls truly unprecedented insights into canine health and data. All toward keeping Fido – and you – on the path to health and happiness.

\$59.95 at [Fitbark.com](http://Fitbark.com).

## VERIZON TOUTS LTE ADVANCED ROLLOUT WITH 50% FASTER PEAK SPEEDS IN OVER 450 CITIES

CREDITS:  
MACRUMORS.COM, Mitchel Broussard

Verizon today [announced](#) a new marketing push for "LTE Advanced" technology that brings 50 percent faster peak wireless data speeds to 461 cities across the United States. The company marks LTE Advanced as the latest improvement on current 4G LTE technology, which it first introduced in 2010. Besides a collection of major cities, Verizon LTE Advanced will cover "loads of less-served places including highways, interstates, country roads and rural America."

**CHICAGO and SUBURBS are included in the LTE ADVANCED roll-out.**

LTE Advanced is not a new technology, with Verizon and other carriers working over the past couple of years to gradually roll it out through "carrier aggregation" upgrades that allow multiple bandwidth channels to be combined for faster speeds. Today's announcement from Verizon does, however, signal a major milestone in reaching coverage for 90 percent of the U.S. population.

The LTE Advanced upgrades come to Verizon's customers at no additional cost, with speed boosts and coverage kicking in "when you need it most," from day-to-day smartphone use to vacation trips. Verizon LTE Advanced will work on one of 39 devices <https://www.verizonwireless.com/devices/lte-advanced/> already on the carrier's network, including the iPhone, Moto Droid, and Galaxy S6 and S7.

"Verizon LTE Advanced means your data session moves more quickly over the best network," said Nicki Palmer, Verizon's chief wireless network engineer. "Imagine a road with multiple lanes in which, once you pick a lane, that's the lane you drive in. That describes our award-winning 4G LTE network."

Continuing the metaphor, Verizon LTE Advanced allows cars to change lanes efficiently and flawlessly, balancing the flow of traffic and getting drivers to their destinations more efficiently. That means blindingly fast data transmissions when you need it most."

Verizon's LTE Advanced deployment currently uses a combination of two- and three-carrier aggregation, with two-channel carrier aggregation resulting in download speeds of up to 225 Mbps under ideal conditions, compared to "typical" speeds of 5-12 Mbps.

**CLASS COMPUTING is very passionate about Hardware and Gadgets! This includes Cellular Products and Remote Computing. Remember, Hardware is part of the Network...we manage your entire companies IT, so shouldn't we consult you on the hardware too? CALL US AT (312) 262-3930.**

### NOTES:

1 Mbps = 1 megabit per second.  
1 byte = 8 bits, which is 1 character (i.e. A).  
1 Kilobyte (KB) = 1024 bytes =  $2^{10}$  bytes  
1 Megabyte (MB) = 1,048,576 bytes = 1024 Kilobytes =  $2^{20}$   
1 Gigabyte (GB) = 1,073,741,824 bytes = 1024 MB =  $2^{30}$  bytes  
1 Terabyte (TB) = 1,024 GB = 1,048,576 MB =  $2^{40}$  bytes  
12 Mbps divided by 8 bits per byte is about 1.5MB per second or 90 MB per minute download. In the real world, this means a movie downloaded in about 15.92 minutes; (1.4 GB)/(1024 MB/GB) / (90 MB/min). With this new Roll-out, under ideal conditions, you might download at speeds of (225 Mbps / (8 bits/byte)) = 28 MB / Second or 1.64 GB per minute. **About 1 non-HD movie per minute!**



Robert Stevenson is a highly sought after, internationally known speaker. He is the author of the best-selling books *How to Soar Like An Eagle in a World Full of Turkeys* and *52 Essential Habits For Success*. Robert is a graduate of the Georgia Institute of Technology (Georgia Tech) and is a former All-American Athlete. He started his first business at 24 and has owned several companies. Robert has international sales experience dealing in over 20 countries, and his client list reads like a Who's Who in Business. He has shared the podium with such renowned names as Generals Colin Powell and Norman Schwarzkopf, Former President George H.W. Bush, Anthony Robbins and Steven Covey. [www.robertstevenson.org/](http://www.robertstevenson.org/)

## WHEN WAS YOUR YEARLY SECURITY ASSESSMENT DONE?

**CLASS COMPUTING** can help you with this. Our proprietary **Security Assessment** helps you take the friction out of data protection. Contact us today at **(312) 262-3930** or email me at [sales@classcomputing.com](mailto:sales@classcomputing.com) to take advantage of this offer (normally \$297), FREE through the end of September.



## Are you addicted to your work?

To find out, rate yourself 1 to 5 on the following statements. Give yourself a 5 for "often" and 1 for "rarely": a) You think of how to free up more time to work. b) You spend more time working than initially intended. c) Your work helps you reduce feelings of guilt, anxiety, helplessness and depression. d) You get stressed when you can't work. e) You set aside hobbies, leisure pursuits and exercise in favor of work. If you averaged 4 to 5, then you may be at least mildly addicted to your work. Is that a bad thing? Not necessarily. While your well-being requires a certain amount of balance, having the drive, enthusiasm and energy to achieve impossible goals marks many of the most successful entrepreneurs.

-Forbes

## We bet you've never even heard of these new technologies.

1) *Perovskite solar cells* promise to be cheap, easy to install and efficient enough to power entire buildings, large or small. Made with a compound called perovskite, they reach new areas of the light spectrum, thus producing far more energy than current solar technology. 2) *Organs-on-chips* allow scientists to test how drugs impact the body - without putting humans or animals at risk. These micro-sized chips emulate how human organs work. By injecting the chips with drugs, scientists can observe responses such as heart palpitations to predict human responses to drugs and diseases. 3) *Super-smart nanosensors*, tiny enough to fit inside the body could, for example, alert a doctor if a patient starts to show signs of heart failure. -Inc.com

## Did you know your iPhone could do this?

Respond to texts without unlocking the phone. When you get a notification, swipe left on the message and a blue "Reply" button appears. Just tap it and text away! Take a photo with the volume button. For that ultimate, one-handed selfie, open the camera app and press the "+" button for volume on the side of your phone. Have Siri read your texts out loud. This is a great tool for when your hands aren't free or you're on the road. Press the volume button and hold it. When the beep sounds, tell Siri, "Read my texts." When done reading, she'll ask you what to do with the messages. You can have her reply or read them again. -Entrepreneur

## You are just minutes away from creating a dazzling design - free.

With these 3 online tools you don't need to pay a pro or buy fancy software. 1) *Canva* templates make easy to create a business card, ebook or info-graphic. Just drag and drop objects until you like how it looks. Add images, tweak colors, swap fonts and voila - You've got a design you can be proud of. 2) Your brand's color palette helps get your message across and can even drive conversions. But getting just the right shade can be tough. Upload your photo to *Pictaculous* and get instant color recommendations and hex codes. 3) *PicMonkey* lets you easily edit, re-color, add borders and text - even insert graphics into your images. -HubSpot

## Who Wants To Win A \$25 Gift Card?

The Grand Prize Winner of last month's Trivia Challenge Quiz is ... Maggie Jablonska, she was able to correctly answer the question from August:

**One of the first Computer Science PhDs was earned by?**

- a) Henry Kissinger   b) Sister Mary Kenneth Kelly   c) James McDivitt  
d) Leonard Nimoy

The correct answer was **b) Sister Mary Kenneth Kelly.**

Now, here's this month's trivia question...

**The winner will receive a VISA® gift card. For \$25.  
At what temperature are Fahrenheit and Celsius da same?**

- a) 92   b) 0   c) -40   d) 50

**E-mail Us Right Now With Your Answer  
sales@Classcomputing.com**