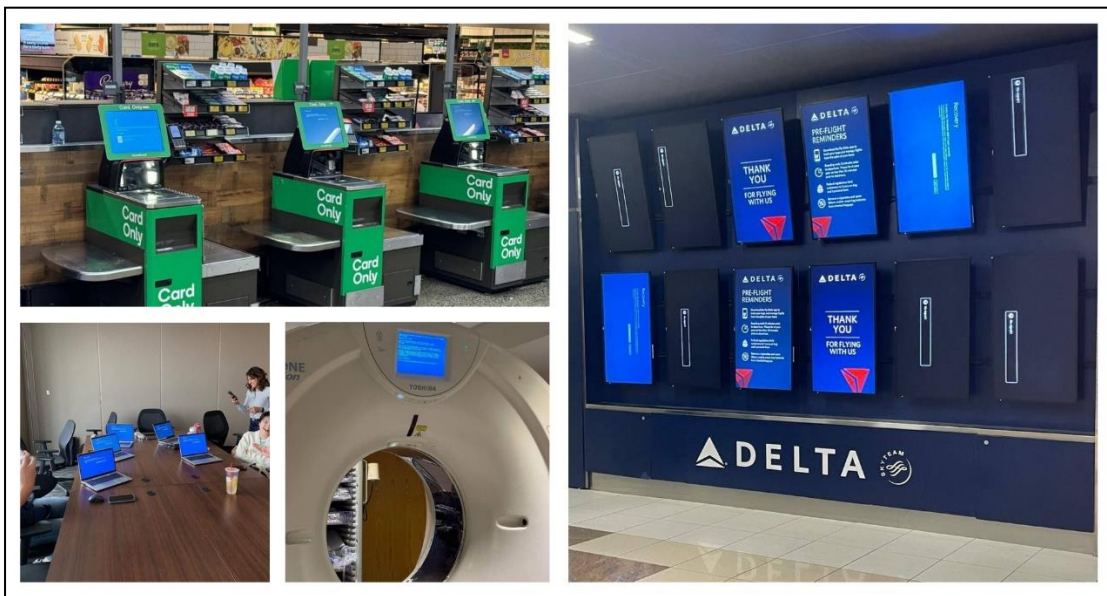


Mobile & Wireless Roundup #97 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 97th edition of this newsletter. This was a chaotic week with some of you having experienced the Microsoft [outage](#) that started on Friday and will dominate the news for few weeks to come. It affected an estimated 300 thousand computers in 150 different countries.



Andrew Harbison has provided a nice simple summary on LinkedIn [here](#). Quoting just a bit from there:

“CrowdStrike are a large security company, based in Austin Texas who provide security software to a great many large enterprises. This morning they released an automatic upgrade to one of their

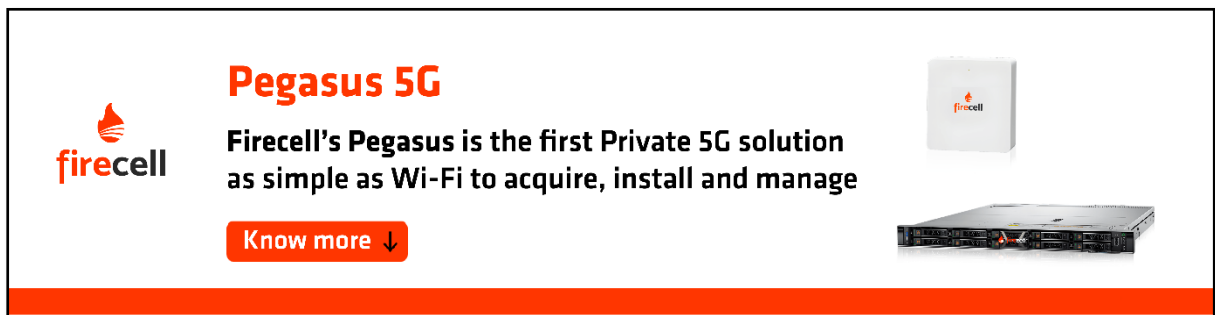
programs called Falcon Sensor. Falcon Sensor is a kind of multi-purpose anti-malware, anti-intrusion system. Unfortunately the upgrade this morning had a serious flaw that caused it to crash computers using Microsoft Windows 10.”

CrowdStrike has released a blog with the details of what went wrong [here](#). Zach Vorhies, a professional C++ programmer, thought it might have been related to NULL pointer exception and provided his analysis in a X thread [here](#).

The funniest of the X posts was this guy who pretended to be the person who pushed the update that caused chaos. It has some 45 million views which you can read [here](#). Eagle-eyed readers would be quick to spot the digitally altered image.

Finally, my fellow CW SIG champion for The Security, Privacy, Identity & Trust [Group](#), Bob Oates, has shared his opinion and lessons learned on LinkedIn [here](#).

For those of you who don't know me, I am a technologist with over 25 years' experience in mobile wireless technology, currently working as an independent advisor, analyst, consultant and a trainer. This newsletter is a summary of my posts and other news that caught my attention since the last newsletter.



The advertisement banner features the Firecell logo on the left, which consists of a stylized flame icon above the word "firecell". To the right of the logo, the text reads "Pegasus 5G" in a large, bold, orange font. Below this, a black text block states: "Firecell's Pegasus is the first Private 5G solution as simple as Wi-Fi to acquire, install and manage". Underneath this text is an orange button with the white text "Know more" and a downward-pointing arrow. On the right side of the banner, there are two images: a white wall-mounted device and a black server rack unit. The entire banner has a white background with a thin black border and a solid orange bar at the bottom.

This newsletter is kindly sponsored by Firecell - the Private 5G experts

🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- Resilient Timing for Critical National Infrastructure ([link](#))
- Peter Clarke on LinkedIn: "Gigabit fast 5G in a class leading minimalist visual design aesthetic: meet the Phase 9 monopoles from Alpha Wireless, Ericsson and Three UK..." ([link](#))
- RCR Wireless: CommScope sells cellular infra units to Amphenol ([link](#)) – Analyst Dean Bubleby's take on LinkedIn [here](#).
- Paul Rhodes on LinkedIn - Thursday School: Infrastructure, It's All Relative! ([link](#))

🕒 Open & Disaggregated Networks (including Open RAN, vRAN, etc.)

- Light Reading: Huawei expected to take open RAN step to stay in Germany ([link](#))
- NTT: ORAN - The future of mobile networks ([link](#))
- EchoStar Launches Open RAN Center for Integration and Deployment (ORCID) ([link](#))

🕒 Spectrum

- 5G Americas Spectrum Sharing: Challenges & Opportunities Briefing Paper ([link](#))

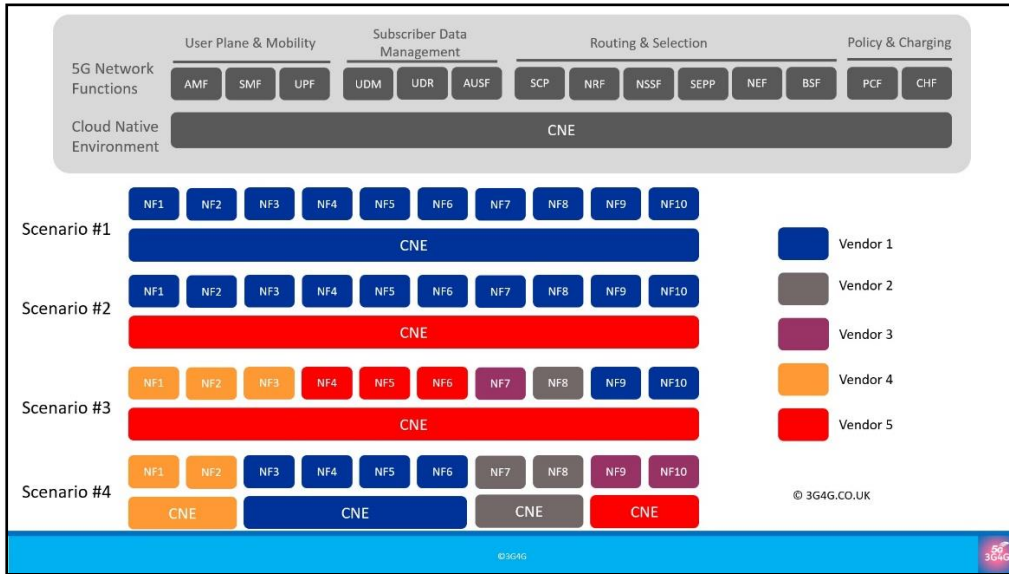
🕒 6G

- Light Reading: The specter of a capex drought looms over 6G ([link](#))

- Free 6G Training: 6G Flagship Talk - Critical Machine-Type Communications Towards 6G ([link](#))

5G

- The 3G4G Blog: Disaggregation of 5G Core (5GC) Network ([link](#))



- Light Reading: Why 5G mobile core forecasts keep slipping ([link](#))
- 3GPP Rel-20 will be the last drop of 5G-Advanced. The content will be decided in the H1 2025 ([link](#))
- Operator Watch Blog: Data Usage in Estonia is Growing Thanks to Improved Coverage and 5G ([link](#))

Private Networks

- Private Networks Technology Blog: Automated Valet Parking Service Powered by Private 5G ([link](#))

Automated valet parking service
 Location: Lyon airport, FRA
 SI Partner: Cravio

Use case: 屋外駐車場全体にパレーパーキングロボットを稼働させる。

Problem: サービスは5Gネットワークに依存しているが、5Gが不安定で維持費が非常に高くなるのが判明。

Benefits: 1台の無線機で駐車場全体をカバーし、必要なメンテナンスと安定性を提供できる。

For the guy that installed it.

#3G4G5G #PrivateNetworks

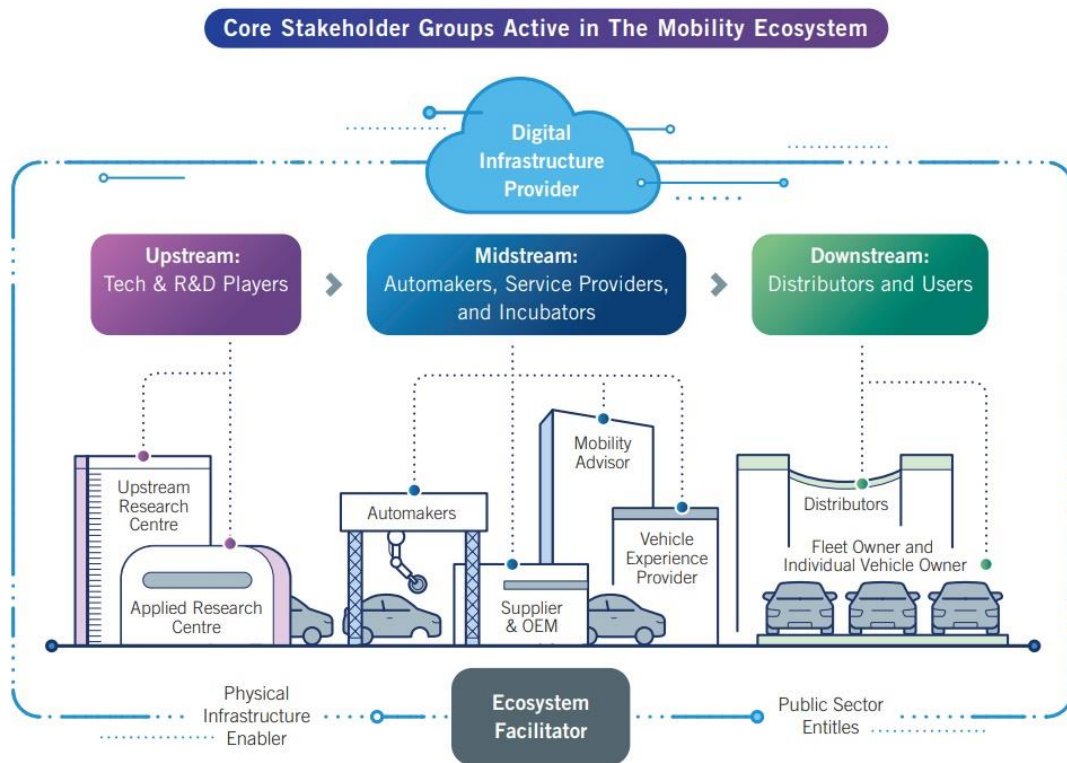
🕒 IoT / M2M / Smart Homes

- IoT presents many opportunities for RedCap ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- ASTRI: Hong Kong Connected & Autonomous Vehicle (CAV) Development Study ([link](#))

Ecological Panorama



🕒 Smartphones, Devices, Wearables & Gadgets

- Light Reading: AI permeates Samsung's smartphone and wearables launch at Unpacked ([link](#))
- Interesting Engineering: Cambridge's self-healing jelly batteries can transform soft robotics ([link](#)) – See the original news [here](#) and a detailed research article in Science Advances [here](#).
- Samsung set to enhance Paris 2024 broadcast viewing experience through seamless 5G connectivity in collaboration with IOC and OBS ([link](#))

🕒 AI, ML & Automation

- Goldman Sachs - Gen AI: too much spend, too little benefit? ([link](#))

🕒 Wi-Fi

- An Overview on IEEE 802.11bf: WLAN Sensing ([link](#))

🕒 Other News and Technology Stuff

- Ryan Jeffery on LinkedIn - From Telco to Hellco: I'm the CEO of a large telco. I want to destroy it as fast as I can ([link](#))
- Fierce Network: Telcos are becoming utilities. Is that really a bad thing? ([link](#))

- Sebastian Barros on LinkedIn: Is Telecom suffering a Crisis of Data Overproduction? ([link](#))

📷 **Picture of the week:** 10 years ago I [wrote about](#) how Sky News were using smartphones and the newly available LTE network to broadcast news. In a press release this week, International Olympic Committee (IOC) announced that Samsung Galaxy S24 Ultra smartphones will help stream the Paris 2024 Opening Ceremony on the River Seine and the Olympic sailing competitions through a private 5G network, powered by Orange. Some fantastic photos [here](#).



Happy to hear your thoughts. Feel free let me know what worked, what didn't, how I can make this better, etc. Get in touch over LinkedIn!

PDF version of this and previous newsletters are available [here](#).