

Integrated Desktop & Mobile Device Management

Like 45k

TECHNOLOGY



A&E

LIFE

Hoope Ring

SPORTS

BUSINESS

Ben Gold



Log In | Sign Up | Contribute

Auto Racing

Fi 🄰 🖇

SEARCH...

Q



B2B NEWS

TRENDING France

NEWS

10nust read articles 🔻

0 🖬 Like Share <u>Tweet</u> in Shar 2

8+1

COMMENTS

LISTEN

PRINT

Hackers steal Gmail credentials by hijacking Samsung smart fridge

SCIENCE

VIDEO

| CRG Mumbai Skyscrapers | Asus Zenfone

INTERNET

BY JAMES WALKER 2 HOURS AGO IN TECHNOLOGY

Hackers have successfully extracted login details for Google's Gmail email service from a Samsung smart fridge. The details were unveiled at the recent DEFCON hacking conference, fuelling concerns about the privacy of Internet of Things devices.

Ð

The affected fridge is the Samsung RF28HMELBSR. The fridge is equipped with a built-in display that can be used to view, amongst other things, calendar details. The aim is to let the whole household plan their calendar online, putting an end to the scribbled notes found under fridge magnets around the world. Users have to provide the smart fridge with their Gmail details in order to use this feature.

Unfortunately, the fridge fails to validate the SSL security certificates sent by the Google servers at login. This makes it open to man-in-themiddle attacks because the fridge never checks to see that it is actually connected to Google, although SSL is implemented and certificates requested.

The attack, by Pen Test Partners, is explained in a report in The Register. The hackers have to connect to the same Wi-Fi network as the fridge is using but can then use the man-in-the-middle technique to intercept legitimate traffic from the fridge to the Internet and thereby steal the Gmail login credentials.

The UK-based team say that other potential weaknesses and interesting bugs "definitely merit further investigation". They ran out of time to attempt further hacks, including hijacking communications between the fridge and Samsung software update servers, due to the time-limited nature of the DEFCON conference.

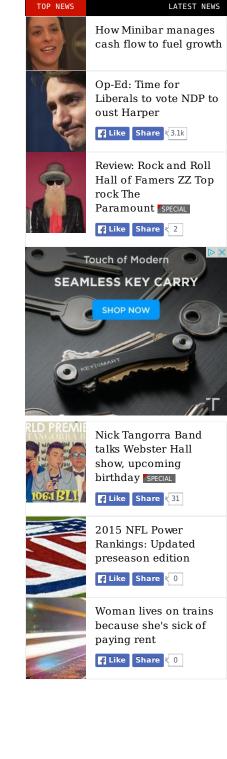
The fridge was part of the DEFCON Internet of Things village and was provided with the message "Can you own our #IoT #Samsung -RF28HMELBSR fridge ::]" The conference is designed to give hackers a chance to play with new devices and expose their weaknesses, allowing manufacturers to remedy faults in patches.

Pen Test Partners wrote in a blog post:

"As a team we're doing more and more IoT research and hacking so this was a great opportunity to work on something we can't get on our hands in the UK yet. ... We wanted to pull the terminal unit



US drivers who drive less than 50 mi/day are in for a big surprise.. [read more] EASY AUTO QUOTES



out of the fridge to get physical access to things like a USB port and serial or JTAG interfaces, but ran out of time."

The team adds that it has yet to follow-up on its DEFCON research because the fridge, alongside other Samsung smart models, isn't on sale in the UK. The hijacked fridge is one of several Samsung Smart Home devices that integrate with the Internet of Things to provide at-a-glance information and easy control from a smartphone app.

The issue represents a growing concern regarding the safety of the Internet of Things. Security flaws will always be found and the Internetconnected homes of the future that are envisioned by the designers of today will be so filled with devices that some people think it inevitable that privacy will be irreversibly compromised.

More about samsung, iot, internet of things, google, gmail

Samsung Create Alert

Latest from B2B News Network



Une Mère Parisienne Gagne 6.850 € Par Mois En Travaillant À Domicile

➡ A Seduction Technique Women Can't Resist ■ How To Make Any Woman Obsess Over You

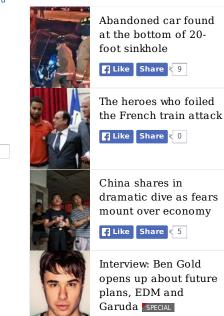
Natural Fibres Reverse Appearance Of Hairloss

Rich People Do Everything To Ban This! This Money-Making Hack is Unbelievable!

🖬 Shocking Method 'Restores' Lost Hair 🔳 Weight Loss System Melts Fat Like Butter

'Fat Hormone' Stops Women From Losing Weight

Comments



Like Share 🛛 8

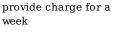


Ring diagnosing sexually-transmitted infections. Does it work?

Like Share 6



Like Share 0 Hydrogen-powered phone battery could



Like Share 34

How cryogenic sleep might become a reality

Like Share 10



Russia launches military drills in Arctic





Op-Ed: 400m shipping container skyscraper homes for India's poor? Like Share 3



Corporate

Contact Us About Us Jobs Media Center Advertise Leaderboard & Achievements Investors & Partners Board of Advisers Help & Support

Help Center Frequently Asked Questions Editorial Guidelines Terms of Use Privacy Policy Code of Conduct

News Links

Latest News Live Events News Alerts Digital Journal Mobile Global Press Releases 24-7PressRelease.com

copyright © 2015 digitaljournal.com | powered by dell servers