

beyond cybersecurity

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In the 1985 Robert Zemeckis Sci-Fi movie *Back to the Future*, the film's protagonist Marty McFly, played by Michael J. Fox, gets into his DMC DeLorean/time machine and accidentally goes back in time to 1955. Marty is suddenly in an era that's decades before he was born. He is fascinated to discover the trends and lifestyles of the mid-50s.

Unfortunately, we can't do that!

But we can look back on the trends of the past year and evaluate the predictions made at the beginning of 2019. That's what Chris Roberts, our advisory board member does, in his article titled "Reviewing the Security Predictions for 2019" in the Buzz section.

We get into the DeLorean and set the digital clock to 1976, an era when the Internet was beginning. Michael Moira, SVP & CISO of Korn Ferry writes about his experiences at the beginning of his career helping companies fight early viruses and worms like the Morris Worm and the "I Love You" virus. You can read his story "The History of Security and the Fight to Protect Ourselves" in the Insight section.

For our cover story, titled "2019: A Cyberspace Odyssey," the CISO MAG editorial team presents an account of the year at its entirety highlighting the most prominent security incidents of the year. We also name the Cybersecurity Person of the Year.

I end by wishing all our readers a happy and prosperous New Year.

Tell us what you think of this issue. If you have any suggestions, comments or queries, please reach us at editorial@cisomag.com.

Jay Bavisi Editor-in-Chief



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round October or
November, we throw
the collective fortune
darts at the nearest
board, wall, or screen
to work out how the following year's
going to be in our electronic world.

We're the digital equivalent of the Farmers' Almanac.

Yet, how often have we really taken a look back and worked out how accurate we've been? How often do we look over our shoulder and assess our success rate and possibly how to improve our accuracy?

So, this year, instead of grabbing the nearest intern, developer, or passing user and practicing the art of extispicy like haruspices on them to work out what we're going to be looking at in 2020, we're going to take a look back at some of the 2019 predictions and have a little dig around the Internet to see how well the prognosticators faired.

If one of these predictions is yours or you were the one who copied it, rebranded it, and made it your company's, then accept the criticism and be a little more careful with how you read this coming year's entrails, as there are now consequences. You will be held responsible!

So, without further ado, let's start with some of the cringe worthy ones:



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then the defenders will have the time to "think like the attacker" as opposed to

firefighting on a daily basis.

We'll go with partial credit on this one. Firstly, yes, the segulations are coming and it's got NIST (National Institute of Standards and Technology) at the helm. The problem is, various NIST segulations appear to be held up and have been eaten by the "Swamp" or various parties within it. The IoT Cybersecurity Improvement Act (1668) is languishing somewhere in DC, and the Office of Management and Budgets or the Office of Information and Regulatory Affairs has eaten NISS, which as we all know is one of the backbones of our industry. So, if someone in charge in DC is reading this, can you please finally finish red-lining all the stuff we need? Believe me, you, your friends, families, companies and the entire information security ecosystem will be better off for these things actually getting out of your hands and back to NIST's and then out to the general population. Until that time, IoT's a mess, in all likelihood your toaster probably hacked the fridge, which is connected to the Internet and is therefore mining cryptocurrency. What a mess.

GDPR will have a significant impact (multiple sources)

If you define a significant impact as making us more aware as to how badly we're double information security then yep, we've doubled (or more) the number of breaches being reported. But, the regulation has been absolutely ineffective at levying sanctions, fines, or other legal actions against the companies that still fail to adequately protect our very data. The upside is that a unified front on notification is a good thing; the downaids is the absert volume of notifications simply shows us that we're not having an impact on stemming the flow of data being stolen, let alone holding the industry or the enterprises accountable for the losses. It will be interesting to see if the U.S. takes note and learns from the colonial countries across the pond or simply continues to tackle the problem in the patchwork fashion of 50 small independent countries (mostly) united under one flag.



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FOR COMPLETE ISSUE