

## **PROVISE FOR YOU**

- ProVise is an Independent, product agnostic research driven Advisory firm specializing in GRC and Cyber Security Professional Services.
- What started with two people in 2011 is now an entity spanning across regions with a global portfolio of leading customers. 0
- Since its inception in 2011, Provise has expanded its footprint in 7 countries and has around 175+ Successful projects executed.
- As of today, Provise is a Trusted cyber security partner in UAE for the Largest Police Force, Largest Real Estate Firm, Largest Telecom Company, 0 Largest Entertainment Island and striving for much more.

**OUR BUSINESS LINES** 



Technology Governance, Risk and Compliance advisory business

WINNING IS NOW A HABIT IN PROVISE



- Industry specific, Threat Centric Cyber Security Assurance and Monitoring
- **R&D IS THE CORE OF ALL SERVICES AND PROJECTS**



Product Engineering and R&D is located in Bengaluru. GRC COGNITIVE PLATFORM 
CYBER SECURITY PLATFORM





innovation distinguishes • Top 3 Cyber Security Research Firms in Asia

### **INDEX**

### Volume 2∣Issue 9

**UNDER THE SPOTLIGHT** Mark Houpt CISO DataBank

### BUZZ

The State of Cybersecurity: AI Creates New Skills Shortage for CISOs







INSIGHT Equifax Hit with Maximum UK Fine What Can, and Should, We Learn?



Is Education the Key to Closing the







**COVER STORY** 

**IN THE NEWS** Top Stories from the Cybersecurity World





**KICKSTARTERS** Startups Making Waves in the Cybersecurity World





## EDITOR'S NOTE

The skill gap in cybersecurity has seen

quite a lot of press coverage lately. The entire information security industry seems to be aware of the dearth of talented professionals and is preparing for the impending great depression of 2021, where the world will witness a shortage of 3.5 million information professionals. Our Cover Story dives deeper into the subject and discusses the inception of CERTs, how education and certifications have so far helped relieve this shortfall, and what must happen in the future to head off disaster. We also discuss grooming the next generation to understand and be interested in security as a career option.

Moving to our Buzz section, we discuss how artificial intelligence is both creating a new skill shortage for CISOs and might be a mechanism that will be able to fulfill the security skills the market cannot. We also differentiate between jobs AI can replace and jobs AI can't.

For this issue, we have interviewed Mark Houpt, CISO of DataBank. He talks about the essentials of a sound cloud migration strategy, and ways of reducing the attack surface of data center and cloud computing. In our Insight section, we discuss Equifax being hit with the maximum UK fine and how General Data Protection Regulation is changing the way organizations approach cybersecurity.

Tell us what you think of this issue. If you have any suggestions, comments, or queries, please reach us at <u>editorial@cisomaq.com</u>.

Jay Bavisi Editor-in-Chief

onsible for selection of news under PRB Act. Printed & Published by Apoorba Kumar, E-Commerce Consultants Pvt. Ltd., Editor: Rahul Arora The publishers regret that they cannot accept liability for errors & omissions contained in this publication, howsoever caused. The opinion & views contained in this publication are not necessarily those of the publisher. Readers are advised to seek specialist advice before acting on the information contained in the publication which is provided for general use & may not be appropriate for the readers' particular circumstances. The ownership of trade marks is acknowledged. No part of this publication or any part of the contents thereof may be reproduced, stored in a retrieval system, or transmitted in any form without the permission of the publishers in writing





Volume 2 | Issue 9 October 2018

Editorial International Editor Amber Pedroncelli amber.pedroncelli@eccouncil.org Senior Editor

**Rahul Arora** rahul.arora@eccouncil.org Senior Feature Writer

Augustin Kurian augustin.k@eccouncil.org

Feature Writer **Rudra Srinivas** rudra.s@eccouncil.org

Media and Design Media Director Saba Mohammad saba.mohammad@eccouncil.org

Designer Jeevana Rao Jinaga

jeevana.j@eccouncil.org Management

Executive Director Apoorba Kumar\* apoorba@eccouncil.org

Senior Director, Compliance & Governance

**Cherylann Vanderhide** cherylann@eccouncil.org Marketing & Sales

General Manager Meghana Vyas meghana.vyas@eccouncil.org

Marketing and Business Development Officer

Pooja Saga pooja.saga@eccouncil.org

Riddhi Chandra riddhi.c@eccouncil.org

Sales Manager - India **Basant Das** basant.das@eccouncil.org Sales Manager - North America

Jessica Johnson jessica.johnson@eccouncil.org

Technology Director of Technology Raj Kumar Vishwakarma rajkumar@eccouncil.org

Download our Cloud Security Toolkit to help you evaluate potential cloud vendors.



http://bit.ly/2ivU4l9

Get insight into how other companies are approaching cloud opportunities, and instill confidence across your organization today.

# From the CISO Perspective to Cloud Security Assessments

Learn How to Make the Leap With Confidence

The secret is out: Enterprises large and small have moved to the cloud, and more are making the move daily. Whether you're an early adopter or you've been battling that persistent strain of nephophobia going around, it's important to thoroughly understand and evaluate potential cloud vendors, instilling confidence for your organization and your customers.





Volume 2 | Issue 9

∨olume 2 | Issue 9

## **The State of Cybersecurity:** Al Creates New Skills

Shortage for CISOs



08





### Volume 2 | Issue 9

### Volume 2 | Issue 9

he cybersecurity skills shortage has long been a problem for CISOs, and a recent report by the Enterprise Strategy Group (ESG) found this skills shortage is growing. The report found that IT groups once again say that cybersecurity is the area with the largest and most problematic skills shortage. Even worse, the percentage of IT groups experiencing shortages has grown year-over-year. As CSO Online outlined, the percentage of groups facing this skills shortage has more than doubled in the last five years:

BUZZ

### Percentage of Respondents Claiming a Problematic Cybersecurity Skills Shortage

- **2014**: 23%
- **2015**: 25%
- **2016**: 46%
- 2017: 45%
- 2018:51%
- 1010.017

In a separate report, ESG found that 18 percent of organizations believe their existing cybersecurity team can't keep up with mounting threats, 22 percent believe their security team is not large enough to protect their organization, and-unsurprisingly-over half of these organizations reported suffering a breach within the prior two years: breaches whose success was contributed to by their organization's skills shortage. The volume of breaches caused by understaffed security teams is likely to only increase in coming years, as the cybersecurity skills gap will continue to grow to two million unfilled jobs by the end of next year, with the cost of cybercrime projected to reach \$6 trillion by 2021.

Much has been written about this skills shortage, but one big point has been missed. Most organizations have been trying to solve their cybersecurity problems entirely by hiring new staff, often to perform work that can be completed by machines. If these organizations embraced machinedriven automation, analytics, and AI—which are able to deliver faster detection and response than any human-only team—they would substantially reduce the need to hire cybersecurity staff in large volumes, and reduce much of the security skills gap we're seeingall while increasing the efficiency and effectiveness of their security services.

Some CISOs are waking to this and beginning to look at AI as a mechanism that will be able to fulfill the security skills the market cannot. And yet, while AI will fill many of the jobs currently left unfilled, there are certain subtle elements of the skills gap that will still exist. In fact, while AI solves certain elements of the skills gap, its deployment may create new areas of skills shortage.

10



## SUBSCRIBE NOW

FOR COMPLETE ISSUE

