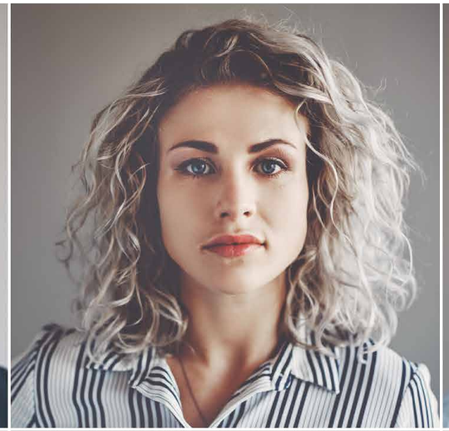
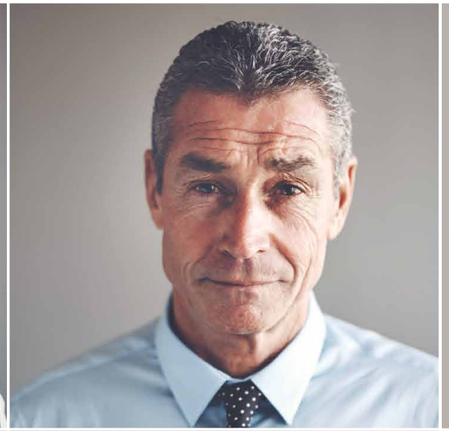
CISO MAG

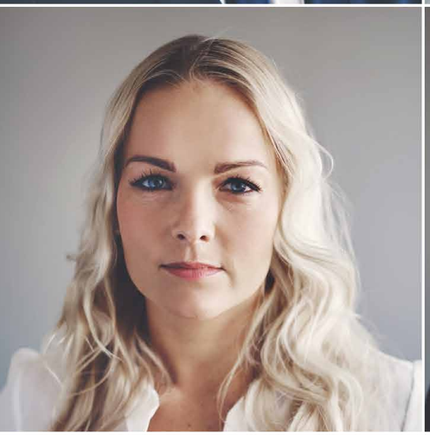
beyond cybersecurity

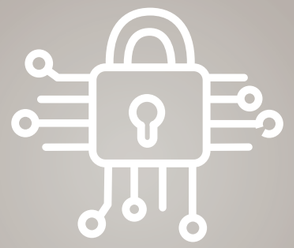
Volume 2 | Issue 5 | June 2018

BUILDING WALLS WHILE LEAVING THE DOORS OPEN









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EDITOR'S NOTE

Cyber attacks on applications make up a larger percentage of all attacks than all other types combined. To be precise, 84 percent of all cyber attacks occur on applications, which is far more than network attacks. Yet, network attacks continue to get the most attention. In this issue, we focus on application security and how a few minor developer mistakes can create huge vulnerabilities in the applications. We have a piece by Lee Carsten that addresses things that CISOs get wrong about AppSec, and how AppSec has evolved since the early days of OWASP.

In Under the Spotlight, we interview Jimmy Sanders, President of ISSA San Francisco, who speaks about application security, diversity in security, the most impactful breaches in recent history, and more. He also speaks about improving diversity in the information security space and how several degree programs are paving the way toward its betterment. We also interview Vishal Salvi, CISO of Infosys, who talks about his journey, the evolving role of CISOs, application security, and using blockchain technology to secure the banking sector. Our Insight section features Sebastian Hess writing about cyber insurance essentials and risk management.

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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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

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

Design Head and Visualizer
MSH Rabbani
rabbani@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 Manager
Pooja Saga
pooja.saga@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

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Dato' Dr. Haji Amirudin Bin Abdul Wahab
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President
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Dr. Rudi Lumanto
Chairman
Indonesia Security Incident Response Team on Internet Infrastructure, Indonesia

Malikkhan Kotadia
Mentor
The FinLab Pte Ltd, Singapore

Mark Johnston
Customer Engineer - Security (JAPAC)
Google Cloud

Prof. Lam Kwok Yan
Professor of Computer Science, School of Computer Science and Engineering
Nanyang Technological University

Contact

Marketing Manager
Rakesh Acharya
rakesh.acharya@eccouncil.org
+91-79778-28905

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BUZZ

What CISOs get wrong about APPSEC

Lee Carsten

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BUZZ

Application security has matured quite a bit since the early days of OWASP. The pace of software development is growing exponentially, and the industry is doing all it can to keep up. Here are some of the areas I have seen that can get you into trouble if you aren't paying close attention.

Lack of visibility into what you own

Coverage is a key component of any application security program. It is typical for a modern enterprise to have 2-4 times as many applications as the security team is tracking. This condition is caused by many issues: Shadow IT, adoption of cloud technologies and Software as a Service platforms, legacy systems that have never been tracked, and so on and so forth. One of the first places that good pen testers (and many attackers) start is with open-source intelligence (OSINT), including deep web/dark web research. It's not just credentials and passwords, but systems that are targeted. If a tester can get into a system you aren't even tracking, there is a good chance he/she can gain undetected entry and pivot into more desirable targets. This problem is real enough that Jeremiah Grossman and Robert Hansen, two of the luminaries in the AppSec space, left what they were doing and launched a startup to help companies combat this issue.

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