CISO MAG

beyond cybersecurity

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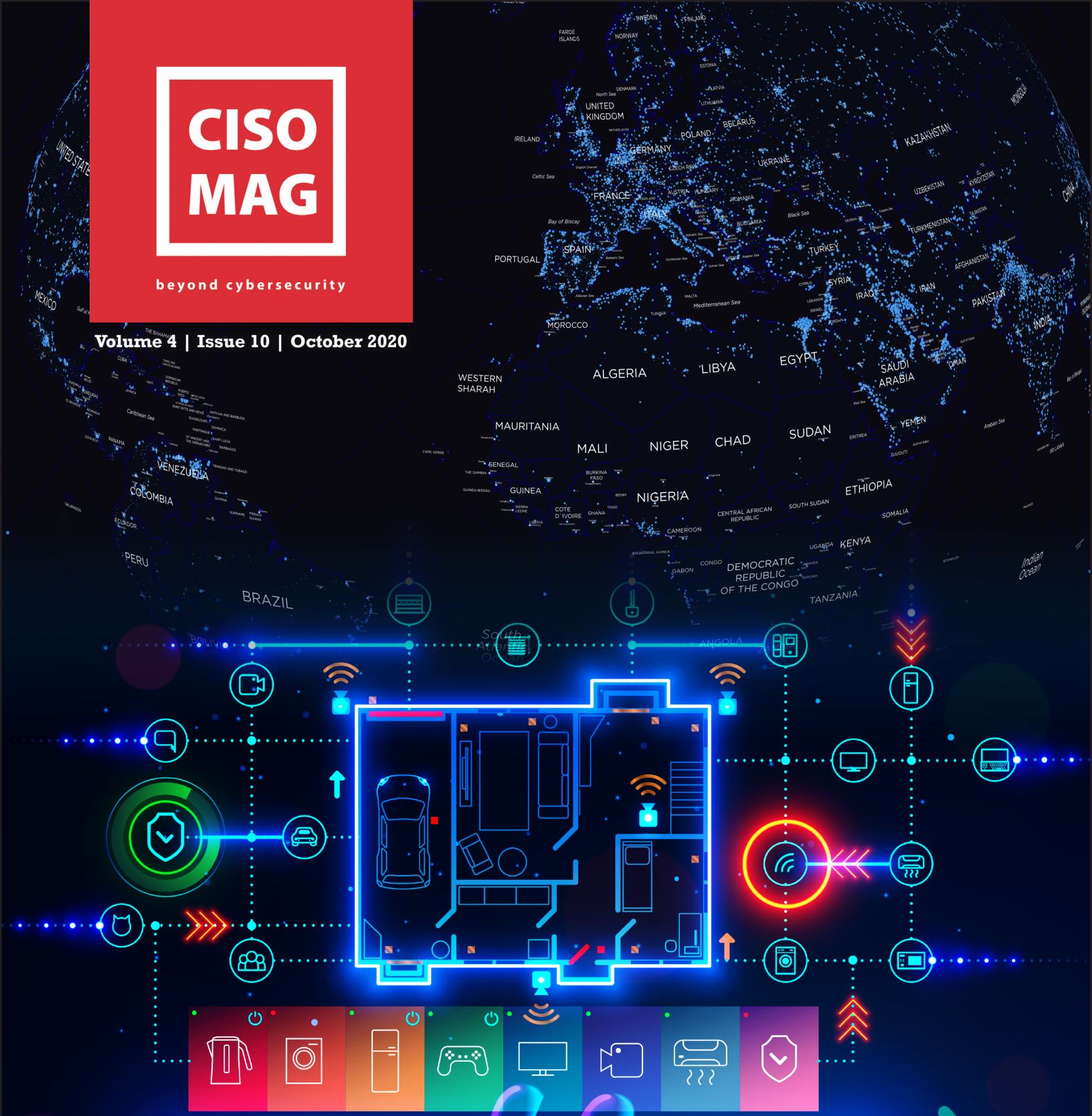

SECURING APPLICATIONS

IN A BORDERLESS WORLD

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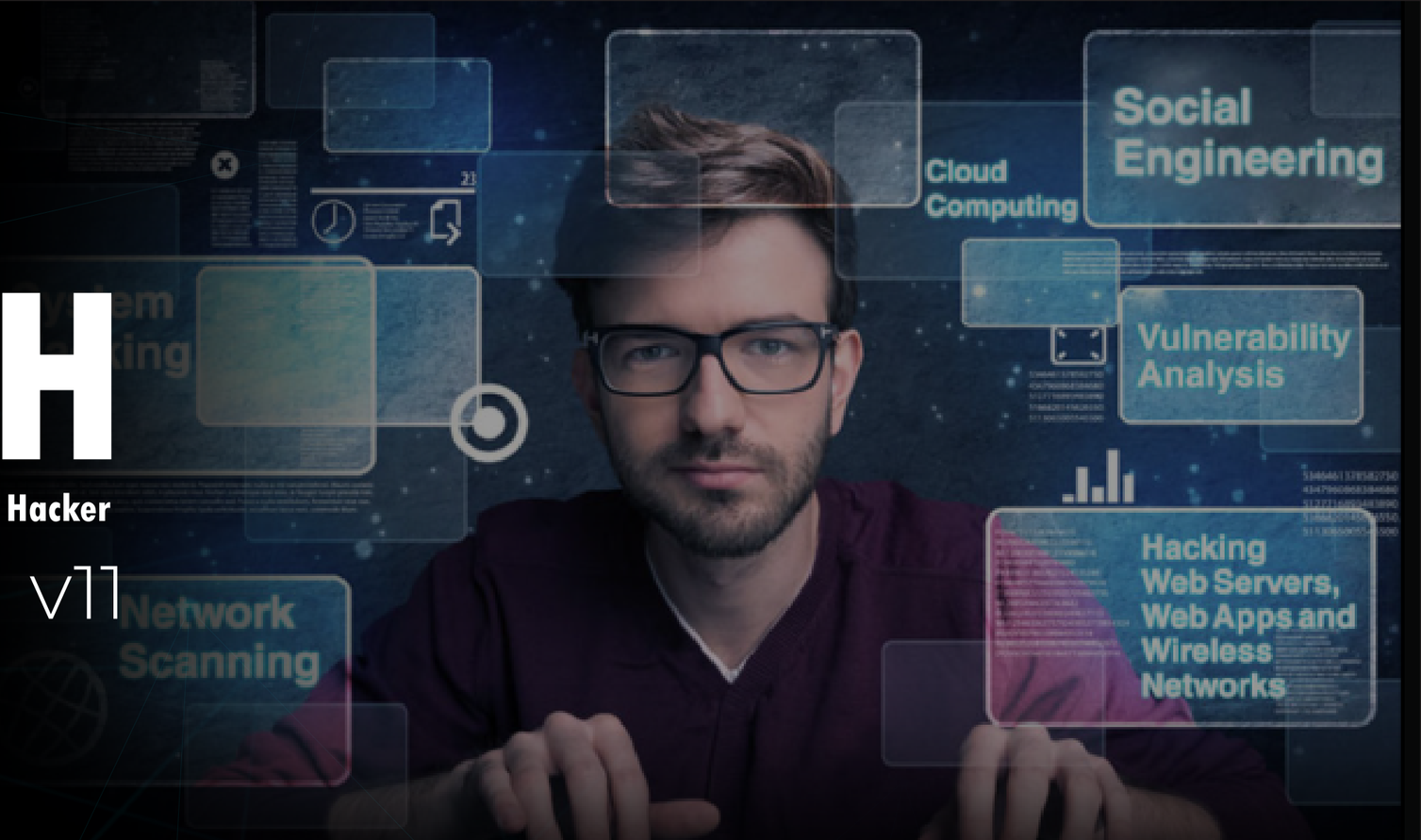

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EDITOR'S NOTE

SHIFT LEFT TO MAKE APPLICATIONS SECURE

I am distressed to read about the millions of blue collar and construction workers, mechanics, and other low-skill workers who lost their jobs in the past few months. Even highly educated people in the travel, hospitality, entertainment, and other sectors are out of work. And yet, you and I still have jobs and can work from the comfort of our homes. Knowledge workers who used to work in an office can continue performing their duties from home – all thanks to the Internet. They can access all the computing resources they need for work. Applications are the core or the conduit to services and data on the Internet.

On the infrastructure front, delivery models are changing. Everything is now being offered "as-a-service" with increased virtualization of physical infrastructure. Even laptops and desktops are being virtualized through VDI and DaaS (desktop-as-service).

Bad actors are now focusing on Applications to get into enterprise networks via endpoints. Downloading a malicious app on your smartphone could potentially threaten security if the device is connected to the enterprise network. That's also applicable to other endpoints like laptops, browsers (malicious extensions and malicious scripts), and tablets.

Therefore, putting the organization's applications first will become a strategic move to safeguard the business's most valued assets, writes Vishak Raman, Director, Security Business, Cisco India & SAARC. And you can read his article, which is our cover story on page 58.

But how do we make applications secure?

Application Security should not be an afterthought. Developers need to think about application security at the beginning of the development cycle. CISOs like to talk about "Security by Design" and adopting the DevSecOps or SecOps model. Development and security teams should work together and review each other's progress throughout the application development cycle. Testing and fixing bugs must happen from the rollout of the first "alpha" versions. Developers are expected to have basic application security training – basic understanding in input validation, error handling, and secure data handling when they write code.

That's the kind of transformation and culture that's needed in an organization to make applications more secure.

Now it's time to Shift Left and adopt the DevSecOps model for application development.

Our next issue will be on **Compliance**. To participate, do write to me at either of the email addresses below.

We hope you enjoy reading all the other articles in this issue as well.

Please write to us at editorial@cisomag.com or cisomag@eccouncil.org

Jay Bavisi
Editor-in-Chief

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THE AUSTRALIA CISO CONFLUENCE

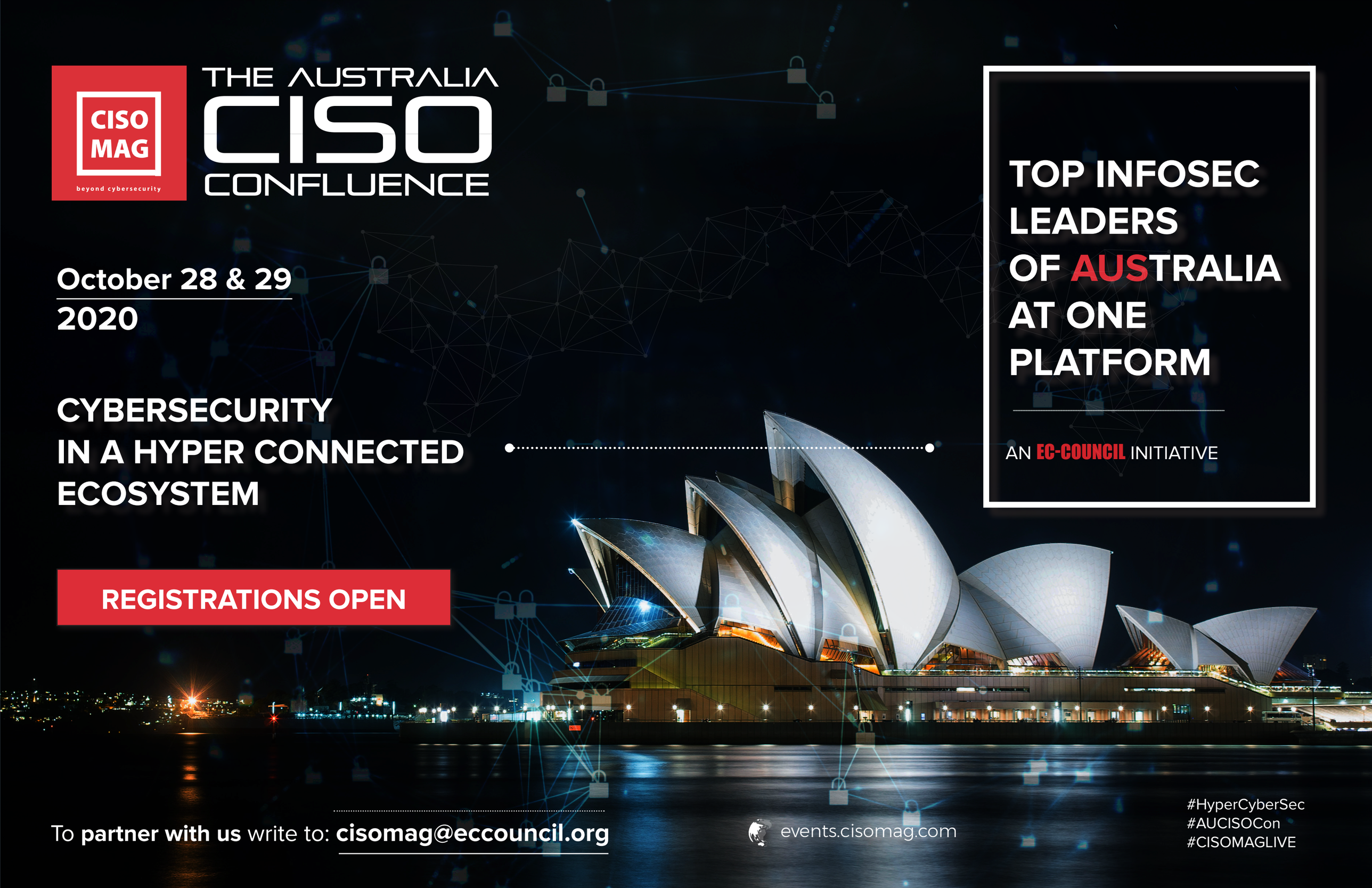
October 28 & 29
2020

CYBERSECURITY IN A HYPER CONNECTED ECOSYSTEM

REGISTRATIONS OPEN

TOP INFOSEC LEADERS OF AUSTRALIA AT ONE PLATFORM

AN EC-COUNCIL INITIATIVE



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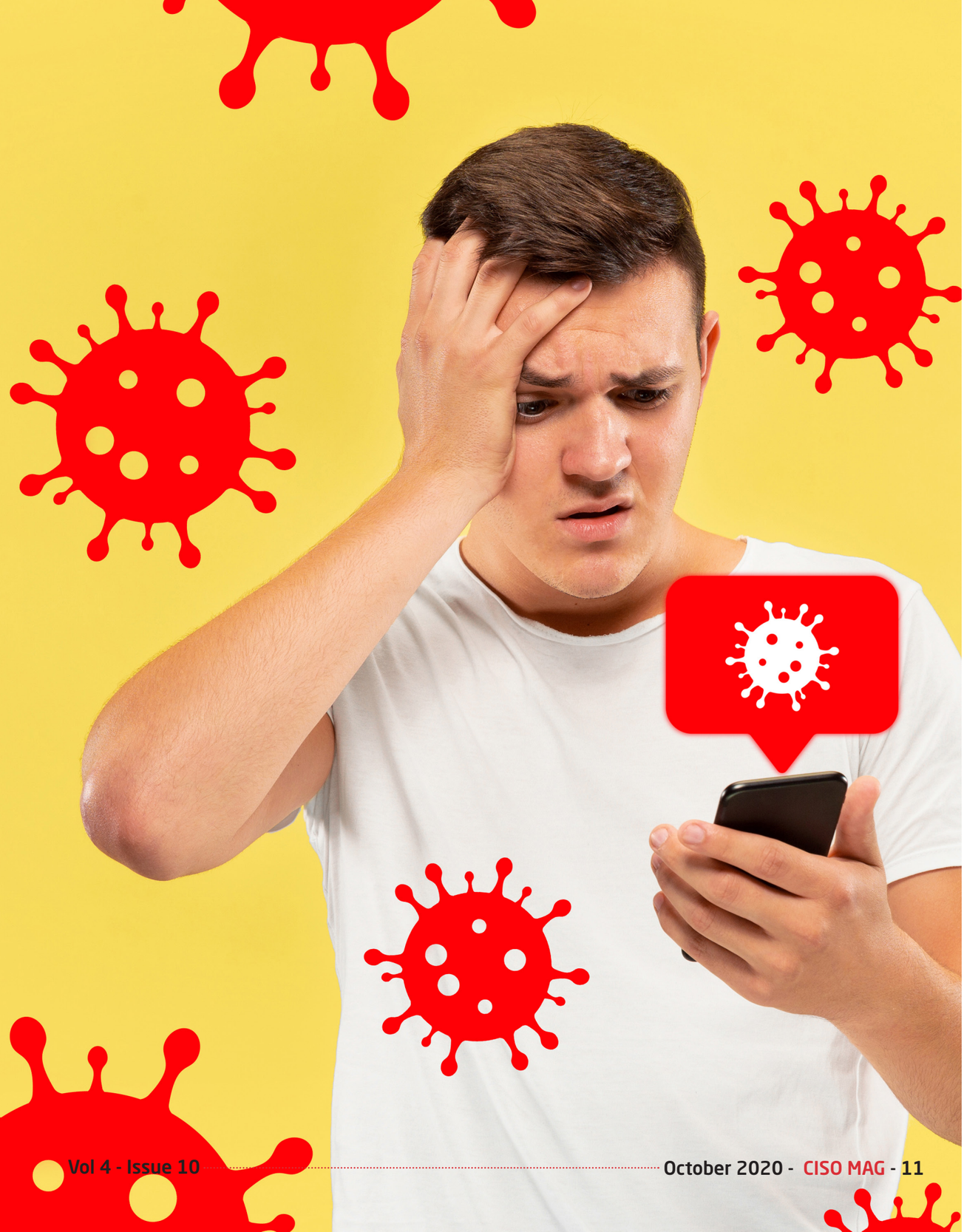
HOW COVID-19 HAS AFFECTED THE APPLICATION SECURITY SPACE

Rohan Vaidya
Regional Director of Sales – India
CyberArk



When the COVID-19 pandemic hit, all businesses were shaken awake by the rapid transmission of this virus. The disruption it unleashed on the global economy was beyond anyone's comprehension. As they developed overnight responses to ensure business continuity, many were left vulnerable and exposed to security breaches. Amidst the pandemic, while most people work from home, cybercriminals have upped the ante and are not taking any time off.

With many employees working remotely and organizations shifting their focus to their employees' health and safety, security and risk management teams need to be more vigilant than ever before. There is a need for eternal vigilance.

The pandemic has impacted industries in several ways:

1. **Risks from Self-service Applications**

   The deployment of self-service applications has become *de rigeur*. Organizations have rationalized help desks to save time and labor. End-users reset passwords and unlock their accounts. They may use multi-factor authentication. It enables them to access apps and other services without adding load to the help desk.

2. **Impact on Third-party Vendors**

   Just-in-time provisioning for third-p
   while looking to mobilize the wor
   increased the number of third-par
   These users are a new challenge sir
   outside the company directory and tr
   could be problematic. The attack su
   reduced through solutions that
   allow and block access throu
   onboarding. Hence, vendors can g
   access and just the right amount o
   manual intervention to allow or