

CyStack

Cyber Security Solutions for Businesses

Introduction

CyStack was founded in 2017 by a team of top talented security researchers in Vietnam with the vision to become one of the leading cyber security companies in the Southeast Asia region.

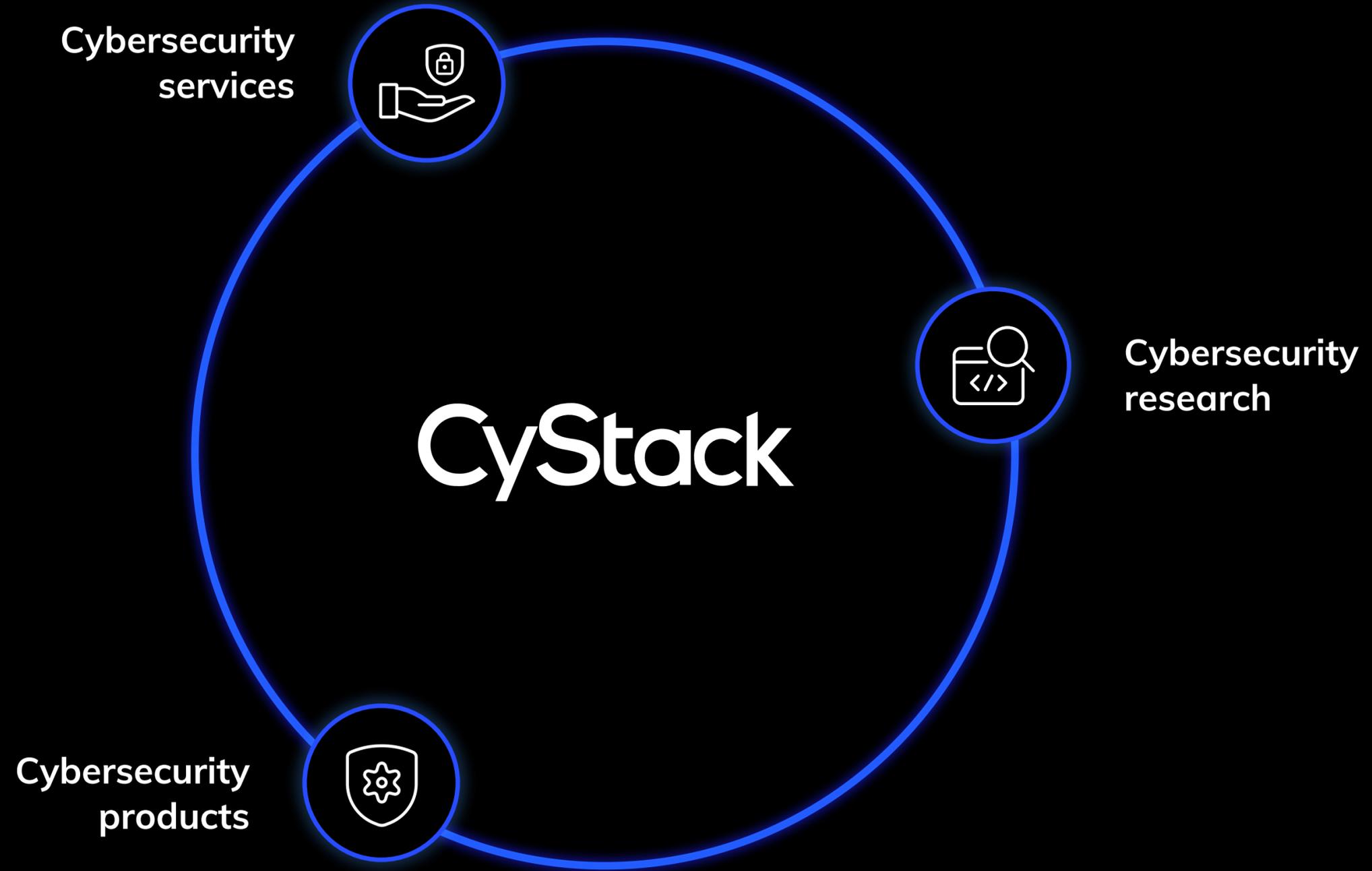
CyStack's solutions focus on protecting data, preventing cyber-attacks, and managing information security risks by adopting cutting-edge technologies in Automated Security, Crowdsourced Security and AI. Our mission is to make the Internet a safer place, where individuals and businesses can focus on growing in digital age.

We are currently a member of Vietnam Information Security Association (VNISA) and Vietnam Alliance for the Cyber Security Products Development. CyStack is also the trusted cyber security partner of many technology companies in Vietnam and in Southeast Asia.



CyStack's customers





Research

As a cybersecurity company, CyStack understands the necessity of vulnerability researching as well as new attack/defense techniques developing, so we have been investing our resources in this work.

Our researchers are regular speakers at world-known cybersecurity conferences and also talented bug hunters who discovered many critical vulnerabilities in the products and acknowledged in the Hall of Fame of global tech giants.

Publication

- Static Binary Instrumentation - T2 infosec conference 2019
- Static Binary Injection - XCon 2019
- Redback: Advanced Static Binary Injection – BlackHat Asia 2020
- Demigod: The Art of Emulating Kernel Rootkits - BlackHat USA 2020

Vulnerability findings

- Integer overflow flaw in Cesanta Mongoose 6.16 - (CVE-2019-19307)
- Unauthenticated Remote code execution in D-Link DNS-320 ShareCenter (CVE-2019-16057)
- Vulnerabilities in Node.js modules (CVE-2019-5417, CVE-2019-5415, CVE-2018-16482, CVE-2018-16481, CVE-2018-16480, CVE-2018-3809)
- Subdomain takeover attack in many big firms: Microsoft, HP, Deloitte, Photobucket, BBC, etc.
- Remote code execution flaw in many websites of IBM
- Other vulnerabilities in products of NASA, Alibaba, Sea Group, Spotify, Hackerrank, etc.

Products

Our goal is to create a platform that can help businesses to see the whole picture of their security by monitoring, detecting, and timely responding to cybersecurity issues.

CyStack Platform consists of various different components, each of which solves a security problem that businesses are facing, including application security, network security, endpoint security, data security, etc.

CyStack Platform



CyStack Password
Manager - Locker



CyStack Bug Bounty
Platform - WhiteHub



CyStack Web
Security (CWS)



CyStack Endpoint
Security (CES)



CyStack Vulnerability
Management

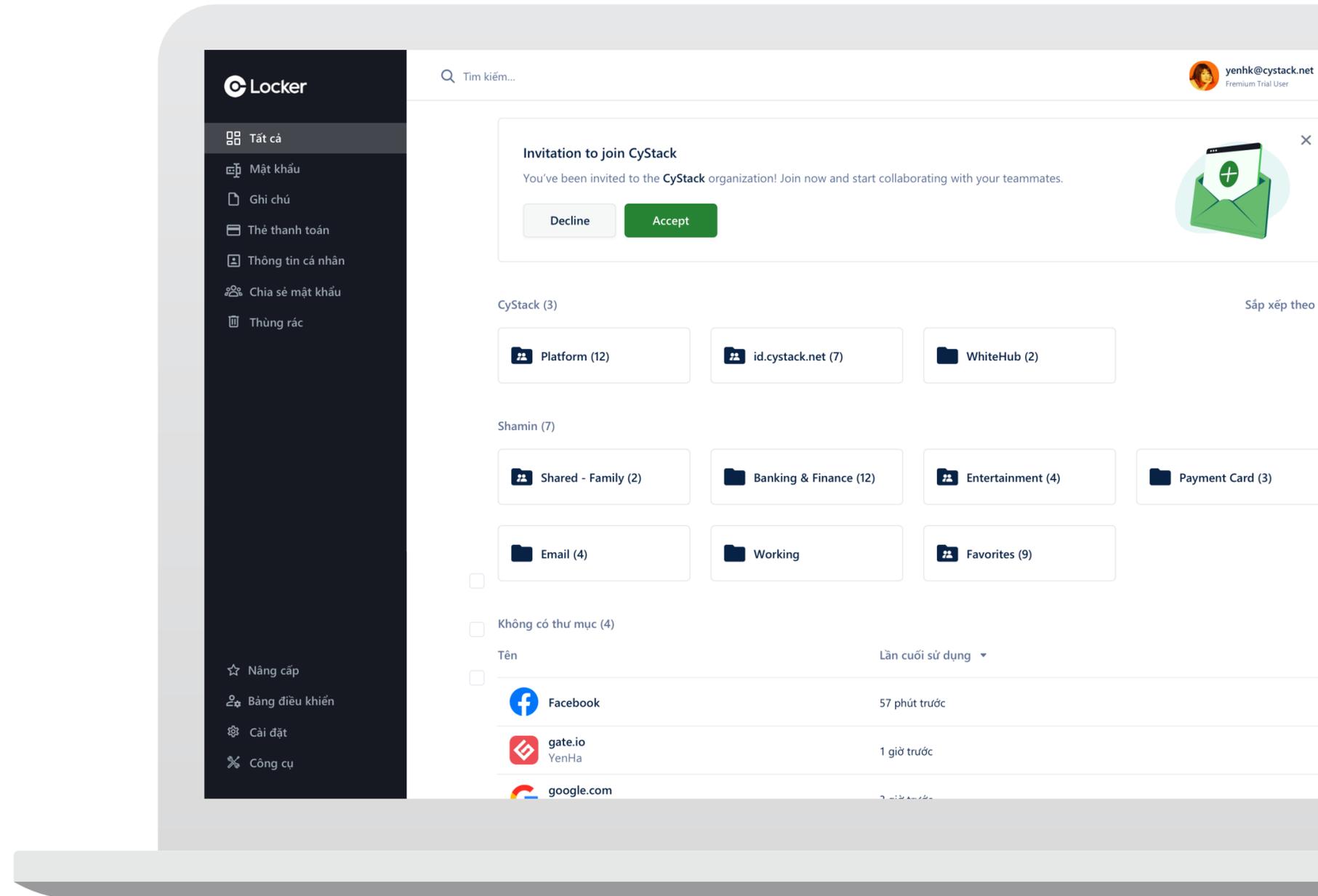


CyStack Locker

Cross-platform password manager

Locker Password Manager enables users to store all their personal passwords in one place - safely and securely. Automatically fill passwords, registration forms, payment information, it will make your internet surfing experience safer and more convenient. CyStack Locker works on all popular platforms and devices.

- Secure password sharing & management features for organizations.
- Advanced encryption ensures all data is confidential.
- Password saving for next login auto fill.
- Access saved passwords anytime, anywhere, and on any device.



<https://locker.io/vault>

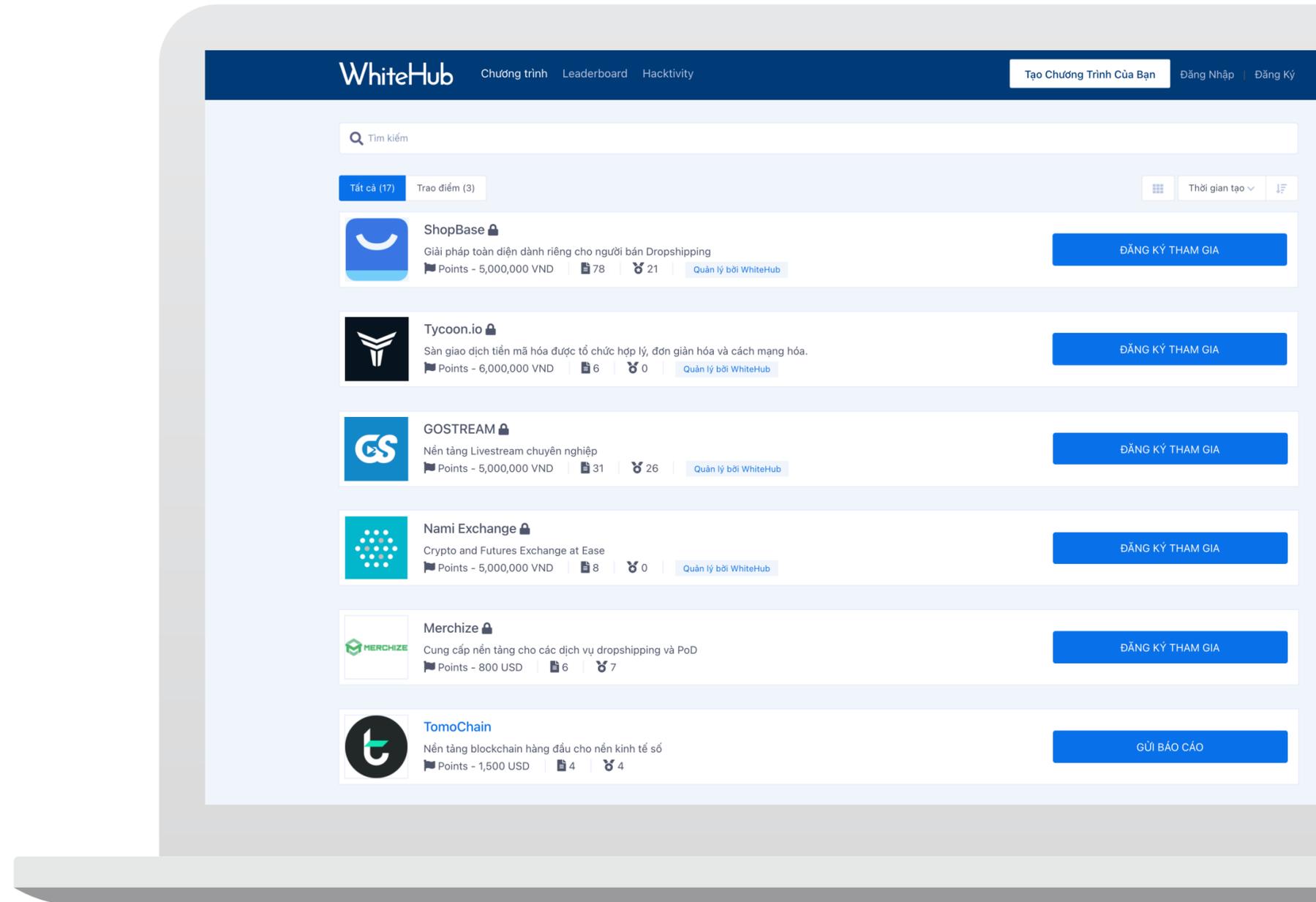


WhiteHub

Top 1 Bug Bounty platform in Vietnam

By connecting businesses with our high-quality security community, WhiteHub can help to discover important security vulnerabilities in technology products, thereby improving safety and reducing the security risks for businesses.

- Utilizing the security experts workforce at a flexible and proactive cost.
- Currently having the largest community of freelance security researchers in Vietnam, including many experts with global level expertise and achievements.
- Fully developed and equipped with tools necessary to methodically and professionally deploy bug bounty programs for all organizations.



<https://whitehub.net/programs>

How it works



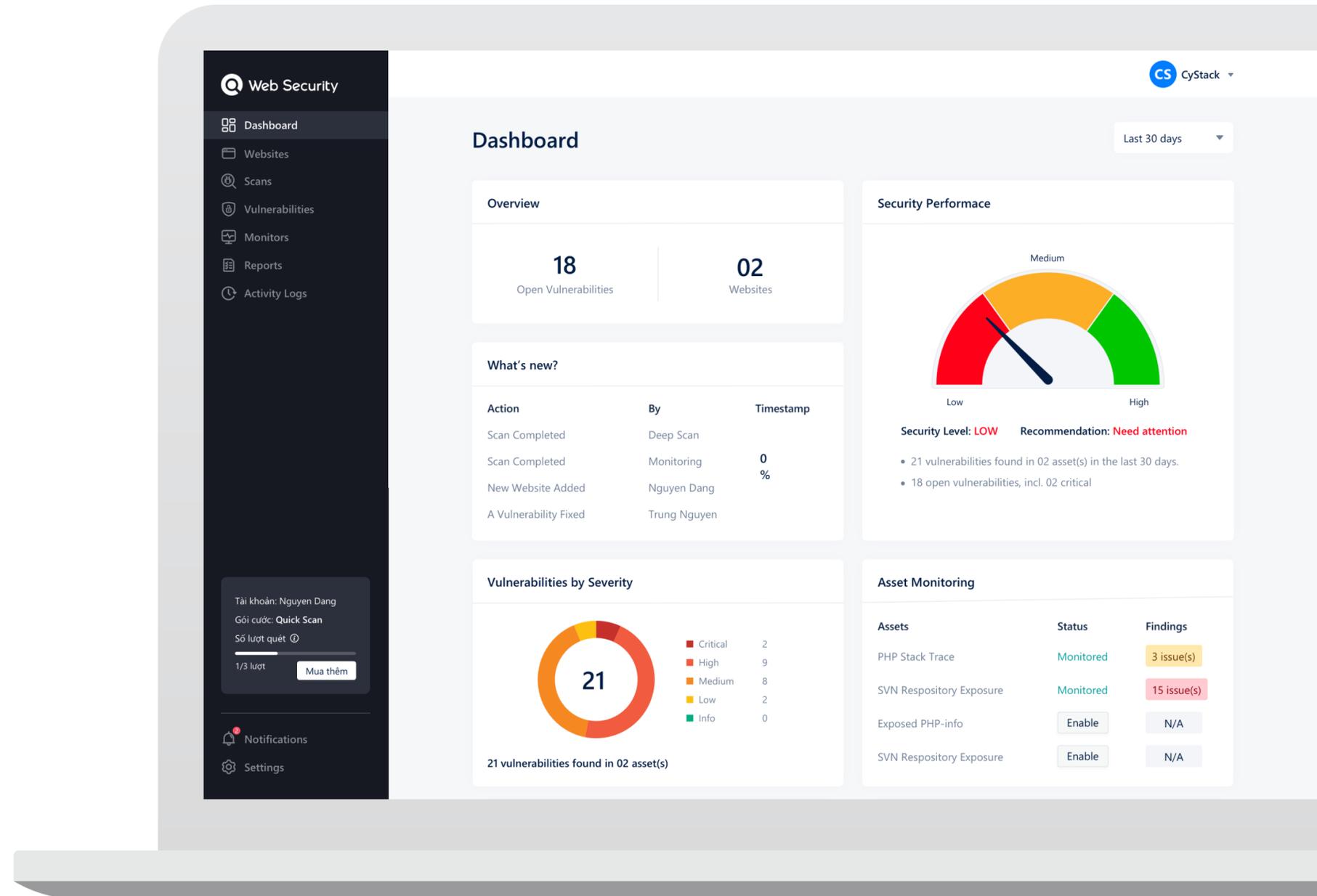


CyStack Web Security (CWS)

Vulnerability scan and security monitor for web applications

CyStack Web Security helps customers detect the security vulnerabilities in web applications, including vulnerabilities in infrastructure configurations, zero-day and other known vulnerabilities (1-day, CVE).

- Security scan for websites, applications, servers, APIs with powerful scan engines, comparable to other global solutions.
- The vulnerability database is continuously updated by CyStack experts.
- Flexible cost with pay per scan or pay per month options.





CyStack Endpoint Security (CES)

Endpoint security and data loss prevention (DLP) solution for businesses.

With our Agent+ technology, CES can detect vulnerabilities, malware, insider threats as well as detect cyber attacks at early stages, and help to establish internal security policies, prevent data leakage from happening.

- Detect various types of issues at your company's endpoints such as security vulnerabilities, malware, security policy violations, etc.
- Instantly respond from your company's server: delete infected files, block network connections, kill running processes, etc.
- Establish the security compliance policies in your company, both blacklist-based and whitelist-based, can be applied to block external devices, only allow employees to connect to some specific websites, etc.
- Monitoring endpoints through system information collecting from the kernel level. Access all information with simple SQL queries.



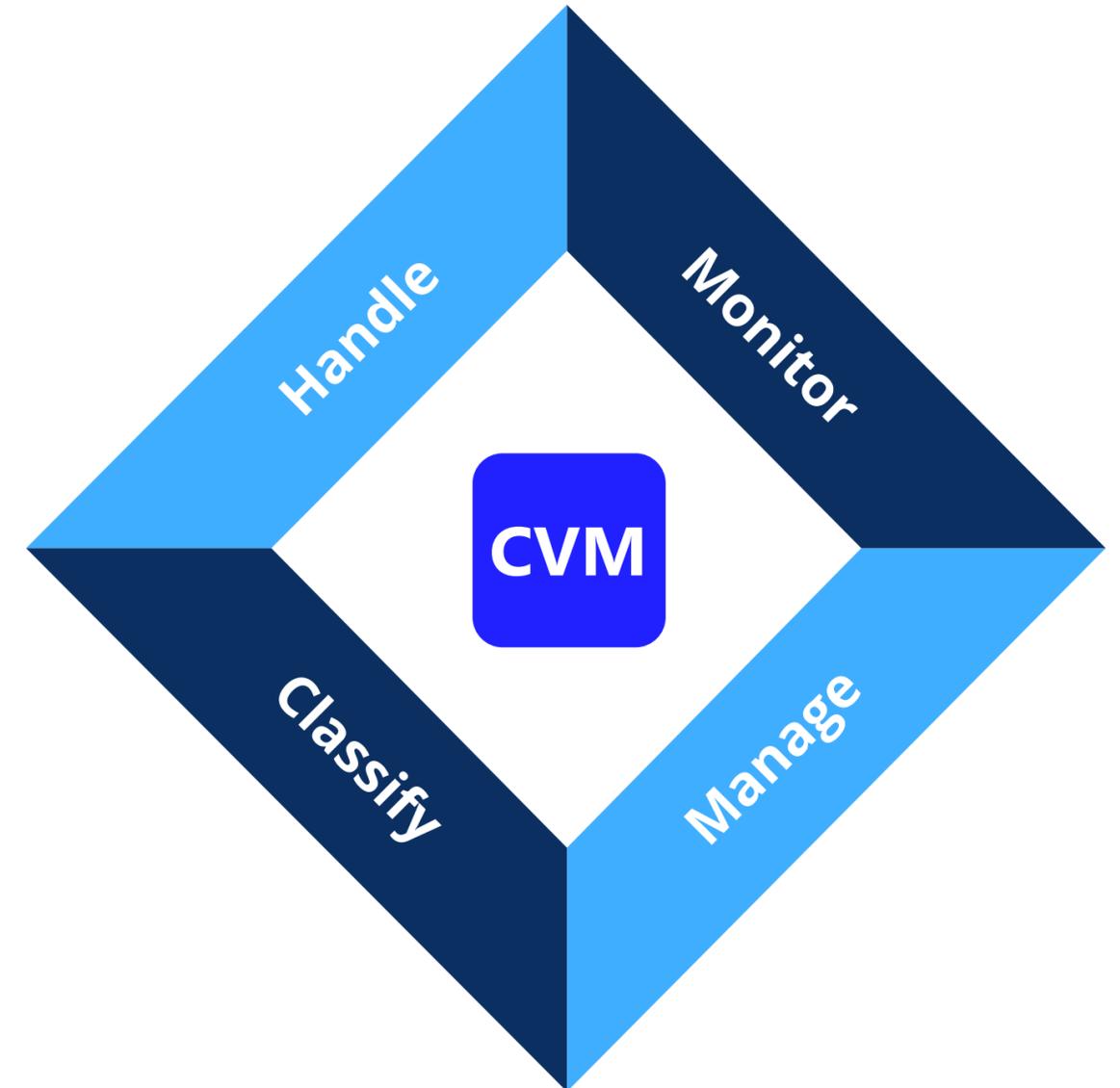


CyStack Vulnerability Management

Comprehensive vulnerability management platform

CyStack Vulnerability Management helps customers to monitor, manage, classify/delegate and handle all the security risks that their businesses are facing. Data is collected from many sources such as WhiteHub, CES, CWS, and other data sources from 3rd party products.

- Multiple input sources: can import data from all of CyStack's products and can integrate other external tools.
- Automatically classify vulnerabilities according to various criteria (risk level, CVSS score, location, etc.) then simulates and display in graphs and tables on the visual dashboard interface, where the current state of vulnerabilities can be monitored continuously and effectively.
- Allow collaboration tools: task assigning, vulnerability tagging, remediation progress tracking, reminding, support requesting, commenting, etc.



Security Services

With the combination of our expertise and technology, CyStack Security Services delivers industry-leading assessments and security strategies to many enterprises, including critical strategies such as Zero Trust.

Our Security Services can help customers quantify and be aware of the risks, extend the team resources, detect and respond to cyber threats. Acting as a trusted cybersecurity partner, CyStack will help you in prioritizing your security adoptions to accelerate your digital transformation.

Managed Security



Managed Bug
Bounty



Vulnerability
Management

Security Testing



Penetration Teting



Smart Contract Audit

Security Consulting



Incident Response



Threat Intelligence



Cloud & Infrastructure
Security



Penetration Testing

Next-Generation Penetration Testing service

CyStack's team of experts performs experimental attacks on customer's application environments to detect security vulnerabilities that could expose the application to be attacked. The customer's dev team can therefore fix the vulnerabilities before the hackers discover and exploit them.

CyStack assembles an elite team consisting of Pentester and white hat security experts (Top 10 WhiteHub) for the penetration testing project. Many of them have global-level achievements and found vulnerabilities in major technology products of corporations such as Google, Facebook, Microsoft, etc.





Managed Bug Bounty

Bug Bounty program managing service

On behalf of the customer, CyStack launches and manages the Bug Bounty program to attract the community of security experts to find the vulnerabilities in technology products such as web applications, mobile applications, desktop applications, APIs, or IoT devices.

With the leading Bug Bounty platform in Vietnam that we own and a technical team with more than 5 years of experience in operating, CyStack is confident to deliver the best value to customers with our services. Our customers do not have to dedicate many security personnel yet still be able to achieve high-security level thanks to Bug Bounty, which enables them to focus their resources to accelerate product development.



Vulnerability Management

Comprehensive vulnerability management service for businesses

CyStack Vulnerability Management is a continuous penetration testing and result reporting solution, with the combination of traditional pentesting, Managed Bug Bounty, and adopting CyStack's most advanced vulnerability management technologies. This solution allows customers to detect and timely fix the security vulnerabilities and to have an overview of all the currently existing security issues in the system while still maintaining the pace of product development and new features launching.

This is the optimal solution for technology developing companies with rapid growth rates and regularly update product's features.





Smart Contract Audit

Smart Contract assessment solution.

Smart Contract is the tool to interact with Cryptocurrency and Blockchain, therefore the flaws in the design and implementation of Smart Contracts can lead to huge financial losses and affect user's assets.

CyStack's assessment solution helps analyze the source code and the implementation of customers' Smart Contracts on the Blockchain network to detect the errors and security vulnerabilities, thereby suggesting improvements and solutions. Our process includes static analysis, dynamic analysis, and also interaction with other Smart Contracts.



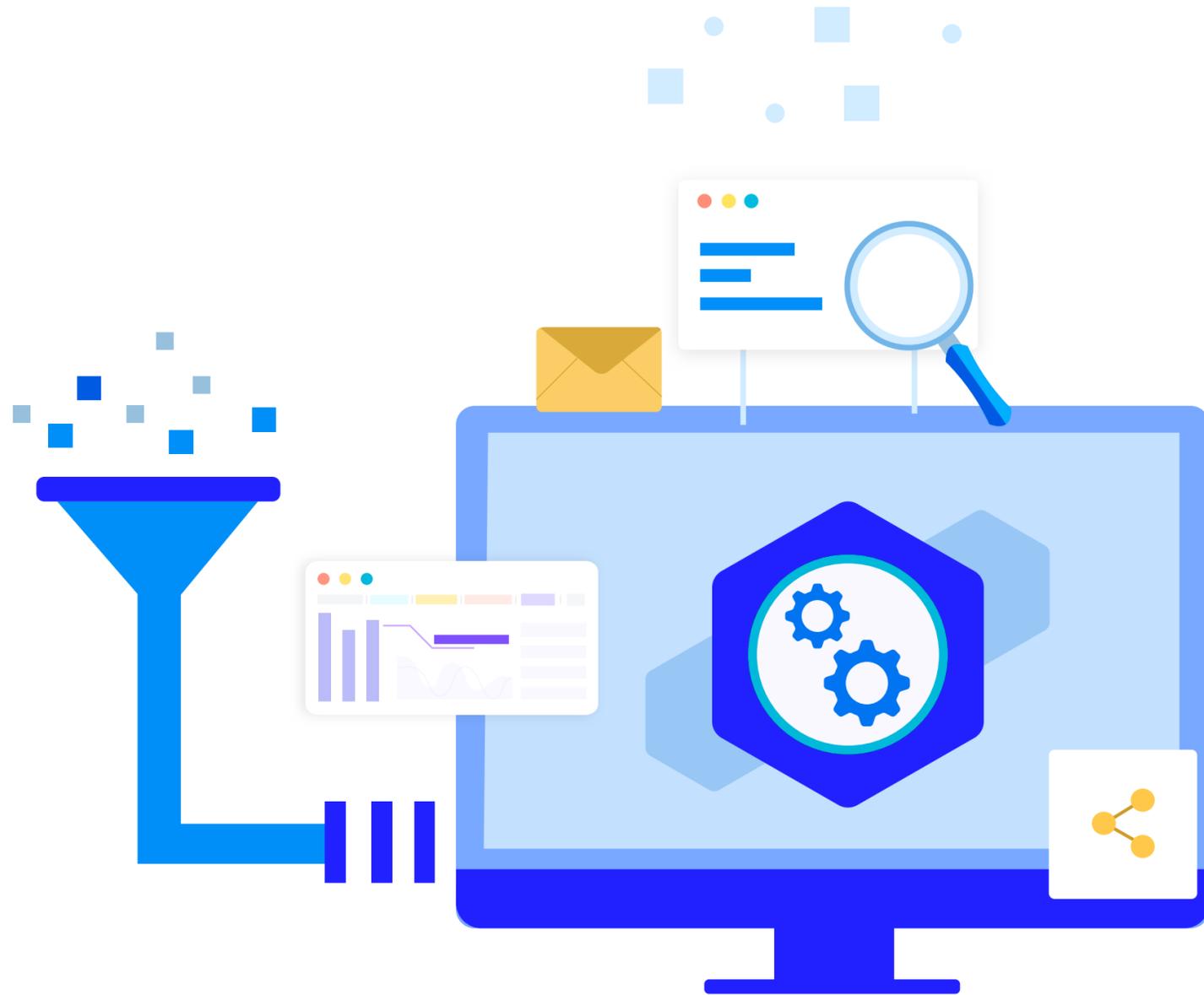
Cloud & Infrastructure Security

Consulting solution for deploying secure systems on Cloud environment

Cloud computing is an inevitable trend of the technology industry, enabling businesses to reduce concerns about network infrastructure, utilizing the available services, and easily scale their system. However, improper implementation and application will cause many consequences from security risks

As a company developing cloud-based products, CyStack understands the security issues that come with the technology. CyStack's infrastructure consulting service helps businesses set up their systems and deploy their products to the Cloud securely and take advantage of the power of popular Cloud service providers such as AWS, GCP, Azure, Digital Ocean, etc.





Threat Intelligence

The database for digital threats

Many businesses have to deal with online fraud on their products, or malicious code attacking their internal network. The solution to these problems is to quickly block and remove the objects that have unusual interactions with the system.

With digital threat data collection and monitoring systems, CyStack helps businesses deploy and build secure databases to integrate into their system. These data include but are not limited to information about the scammer (email, phone number, bank account, crypto wallet address), malware information (IOC like C&C server, hash file, signature file), or information about sensitive business data that has been leaked on the Internet.

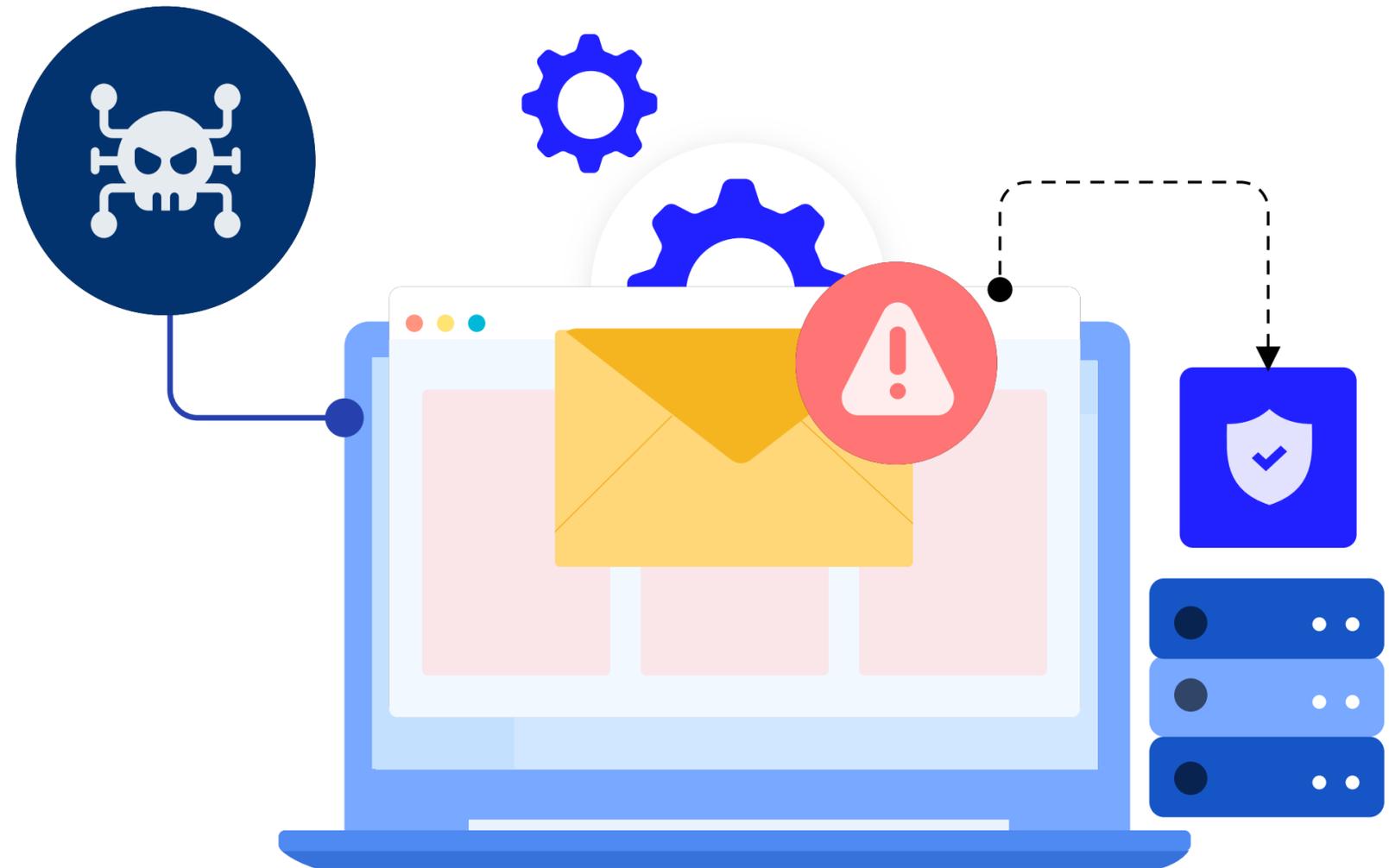


Incident Response

Cybersecurity incident response solution

While operating the system on the Internet, businesses will often face many digital threats such as cyber-attacks, malware, digital fraud. These problems bring a lot of trouble and financial loss if not dealt with properly.

With years of experience in the security industry, CyStack's team of experts will help customers deal with the security incidents when they occur, find the cause, the short-term and long-term solutions, as well as pinpoint the attacker



Contact us

For questions or concerns feel free to get in touch via these channels

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