

LEADING CLOUD SECURITY

Comprehensive Cybersecurity Emergency Response Center

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About VNETWORK

Growth journey and
Solution ecosystem

01.

Since its establishment, VNETWORK's vision has been to provide a comprehensive ecosystem: **IT infrastructure, content delivery and cybersecurity**; for a safe and saved solutions for **AI transformation** and **digital transformation** journey. This is also the premise to **promote the digital economy** and **establishing a robust defense system** to safeguard enterprises against cyberattacks.

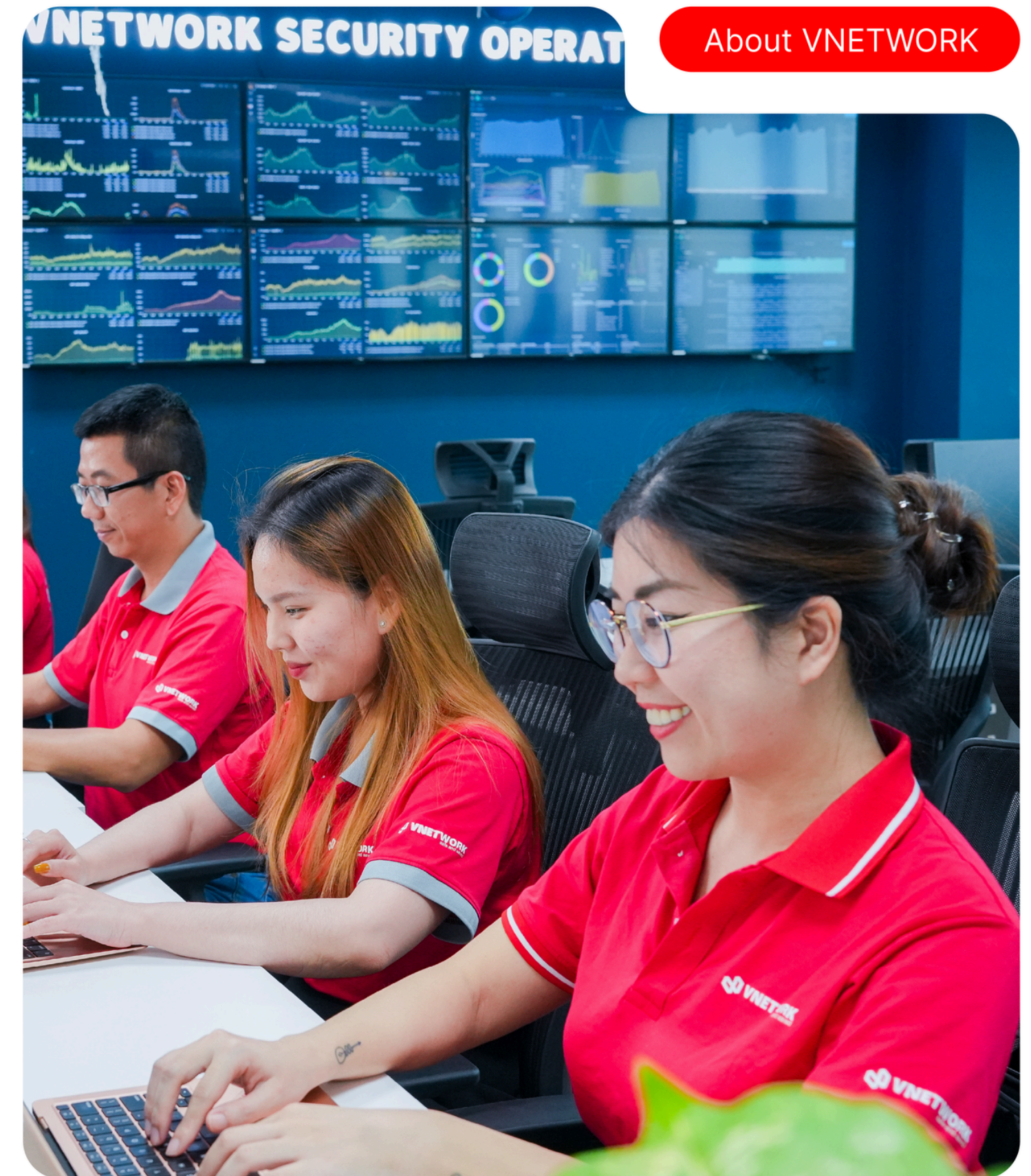
Message from the Founder & Chairman, Mr. Tao Nguyen Van

Vision 🌟

To become the Leading Cybersecurity & Rescue Center in Asia, serving as the immediate and most trusted point of contact for clients facing cyberattacks and digital security incidents.

Mission 💎

VNETWORK leads the way in offering high-quality cloud-based infrastructure, content delivery network and security solutions. This empowers businesses to run their operations with safety, stability, and maximum efficiency.



The secret **sauce**

✓ **146**
countries

✓ **2.600**
Tbps

✓ **NVMe Gen5**
CPU Intel® Xeon® 6
Efficient 6740E

✓ **2.300**
PoPs

✓ **20**
million CCU

✓ **24/7**
SOC 1 on 1 support



License No. 121/ GP-BTTTT

Licensed by the Ministry of
Information and Communications
for network security services



ISO 27001/ISO 20000-1

Certified to meet international
standards for IT solutions



**Science and
Technology Enterprise**

Proud to be among the few
Vietnamese enterprises certified
by the Ministry of Science and
Technology



**Gartner
RAPID7**

ITSCC, Gartner, Rapid7

Recognized and recommended
for use in the global market

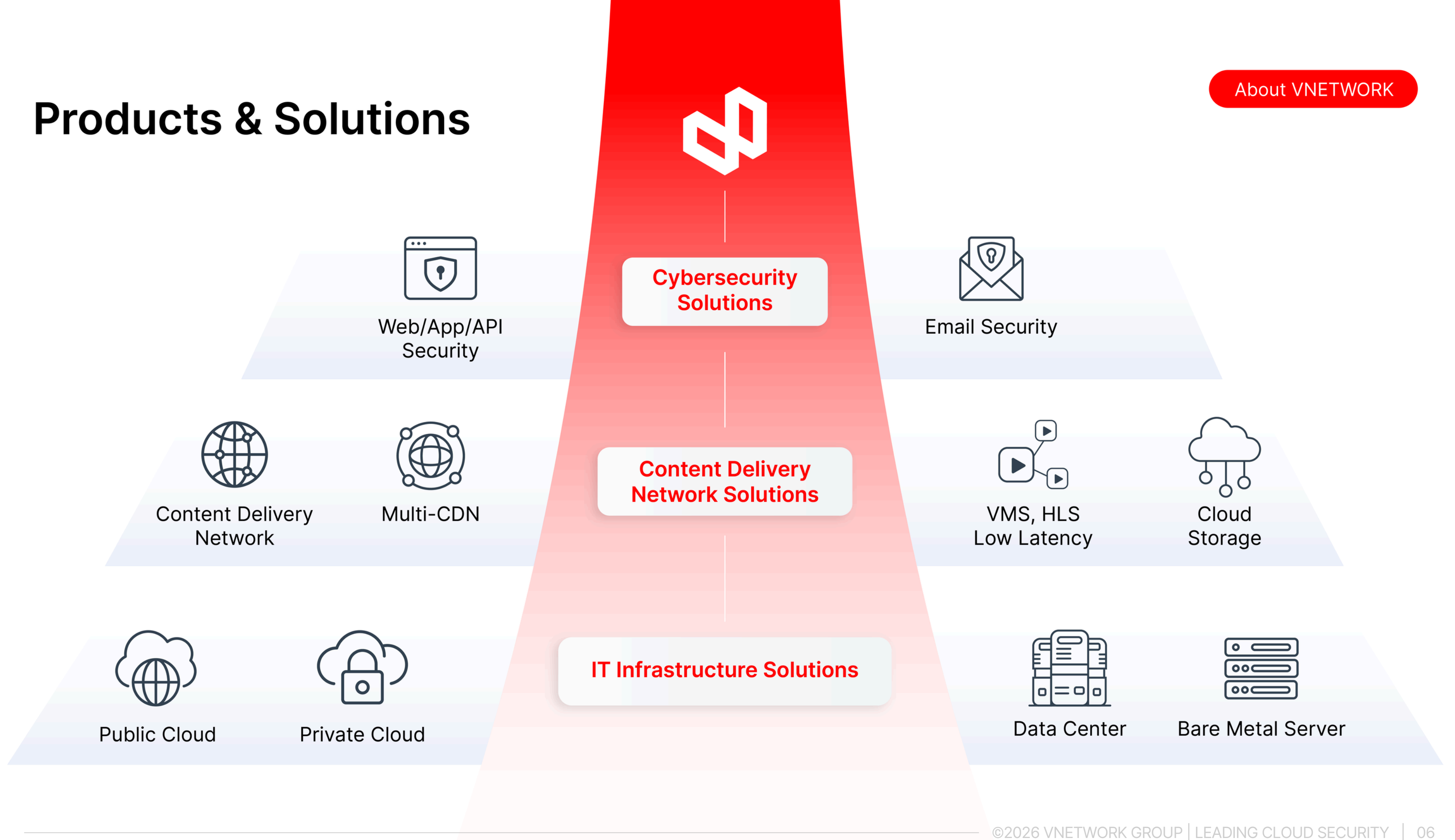


13+ Years of Experience

Partnering with businesses

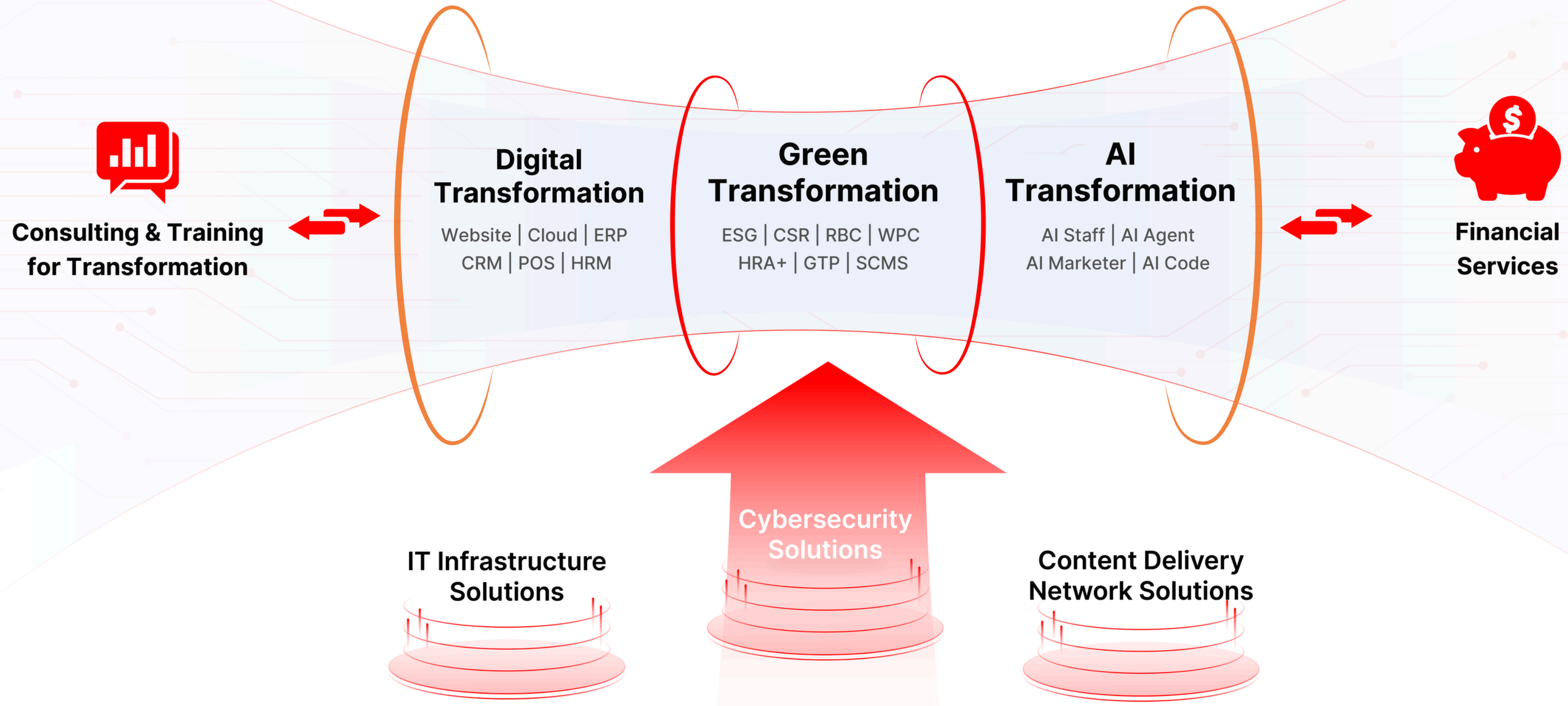
Products & Solutions

About VNETWORK



Comprehensive transformation ecosystem

About VNETWORK



Trusted by over 2.000 businesses

“

VNETWORK has always invested in infrastructure and technology to ensure efficiency and security for our web servers, applications, and APIs. Working with VNETWORK, we feel completely assured of the stability and safety of the system.

Trần Thế Luân
Head of IT Security - Vietcap



“

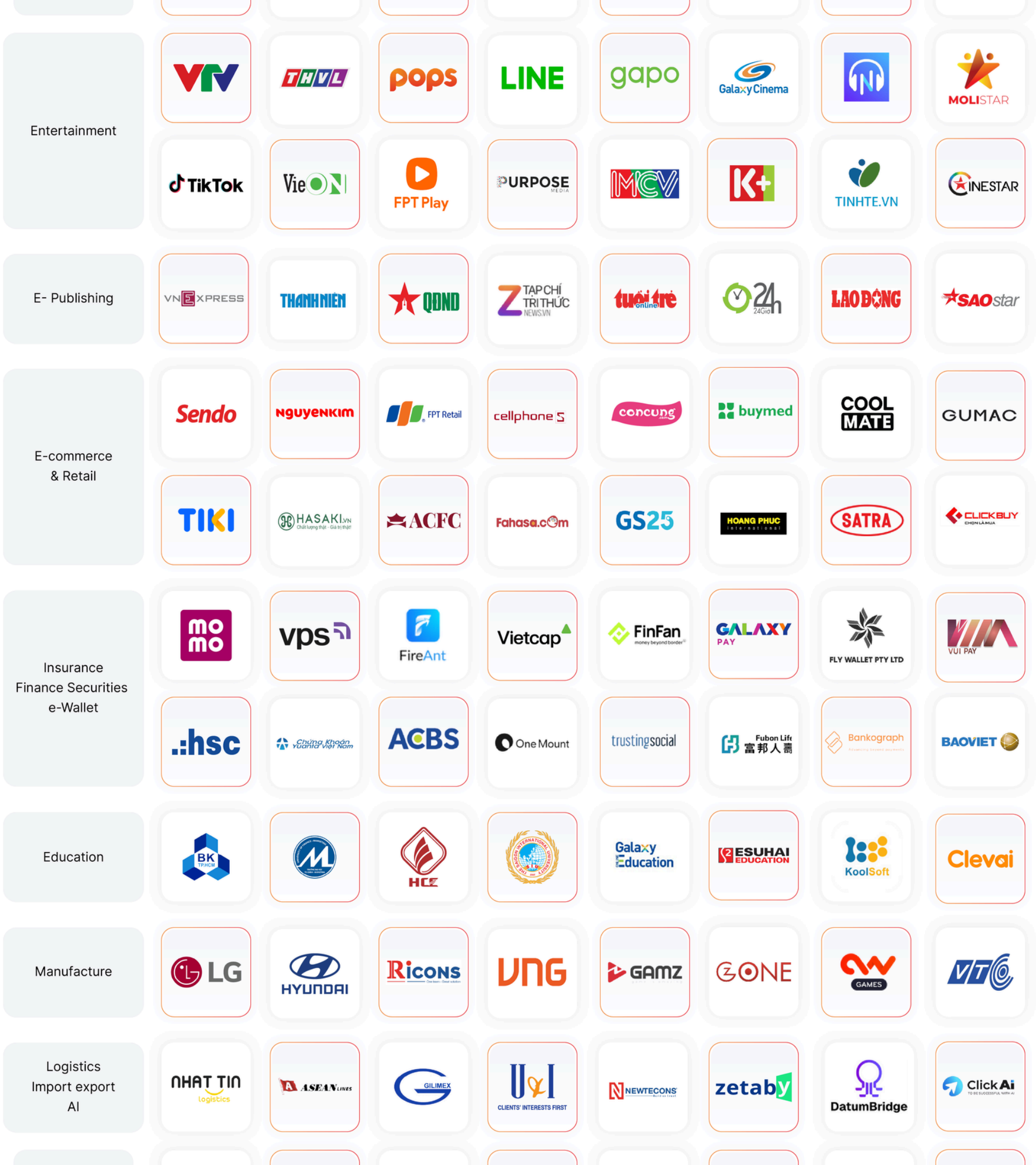
VNETWORK - great experience and exceeding our expectations! The young and energized team supported us to block DDoS attacks, speed up the website and widen bandwidth for our livestream. All the matters were solved quickly and effectively.

Đỗ Minh Đức
Technical lead - CellphoneS



I truly value VNETWORK's kind-hearted business mindset and dedicated support. At my previous workplace, we encountered challenges and needed to migrate data from VNETWORK's VCLOUD to the company's on-premise IT infrastructure to optimize costs during the pandemic. VNETWORK's highly skilled technical team enabled a seamless migration - a task that many vendors wouldn't be willing to handle. That's why, when I joined Cinestar, I continued to place my trust in VNETWORK and collaborated with them on new projects.

Đỗ Quốc Bảo
Head of IT - Cinestar



The secret **sauce**

Instead of spending resources **building their own infrastructure and security system**, businesses can partner with **VNETWORK**, a comprehensive ecosystem that brings together **robust infrastructure, optimal performance, and comprehensive security solutions**, ready to meet all levels of growth and digital security risks.

Global infrastructure
with 2.300+ PoPs in
146+ countries



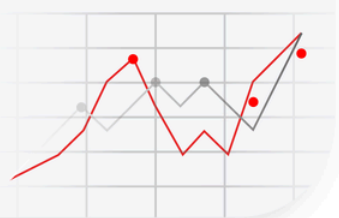
In-house technology
with deep AI/ML
integration



24/7 proactive
monitoring by
expert SOC team



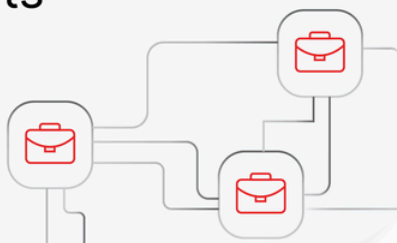
Reliable services
with strong **SLA**
commitments



Diverse solutions
with **flexible**
pricing



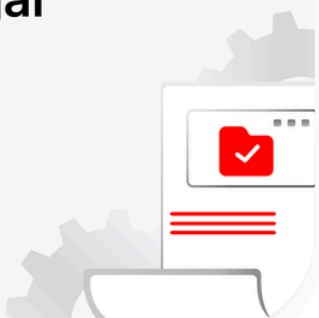
Bespoke solutions
for unique business
requirements



Compliance with
international
standards



Facilitates compliance
with current **legal**
regulations



• Businesses providing digital services in Vietnam are required to store user data domestically (Decree 53/2022/NĐ-CP).
• Businesses must implement technical and administrative measures to protect personal data (Decree 13/2023/NĐ-CP).

**This content has been summarized. Please refer to the official decrees for full details*

• Businesses are obligated to classify system security levels and develop appropriate protection plans (Decree 85/2016/NĐ-CP).
• Failure to comply with the designated security level may result in fines of up to 50 million VND (Decree 15/2020/NĐ-CP).

IT infrastructure

VCLOUD & Physical infrastructure

Private Cloud, Public Cloud,
Bare Metal Server, Data Center

The solution **Cloud, Bare Metal Server, Data Center**



Public Cloud & Private Cloud



Quick deployment, smart management, and unlimited scalability to maximize performance and security.



Robust infrastructure
Tier III infrastructure with advanced hardware, ensuring up to 99.997% uptime.



Unlimited scalability
Easily expandable and customizable to meet your business needs.



Tailored to your needs
Flexible billing and diverse service packages.



24/7 expert support
Expert team available around the clock, always ready to assist.

- ✓ **High-performance read/write speed** with 800.000 + IOPS
- ✓ Easily deploy and **flexibly scale** the cloud server infrastructure.
- ✓ **100+ Gbps** uplink bandwidth and **10+ Gbps** international bandwidth.
- ✓ **Built-in N8N**, deployment **under 1 minute**.



Data Center

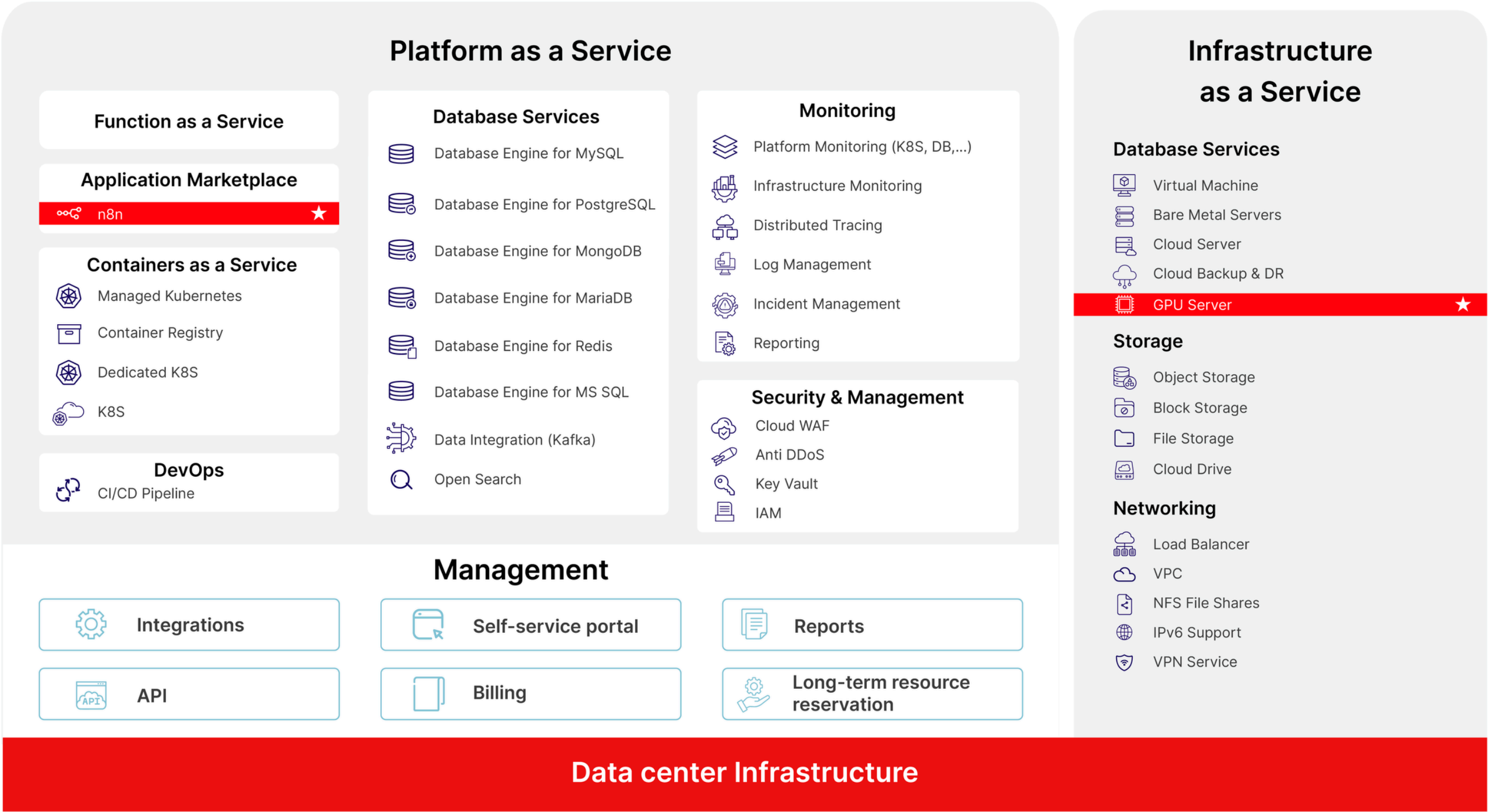
- ✓ **Flexible deployment** across all ISPs, with **no regional limitations**.
- ✓ Bandwidth on demand, for better **operational efficiency and cost optimization**.
- ✓ Ready for deployment **within 24 hours**, speed up your go-live timeline.
- ✓ **High-performance server configurations** with modern AMD/Intel CPUs and ultra-fast SSD/NVMe storage.



Bare Metal Server

- ✓ **Tier III-certified VIP Data Center** provides high availability and reliability.
- ✓ Flexible space that can be easily expanded or upgraded.
- ✓ **Multi-layered security** with server access control, CCTV surveillance, biometric authentication, and remote IP camera monitoring.

Explore VECLOUD's **key features**





VNCDN

VNETWORK Content Delivery Network

03

Security CDN solution and Content
Delivery Acceleration ecosystem

The problem

Challenges

Slow website/app performance due to high traffic and large volumes of static data (videos, images)

Inability to handle large traffic spikes during peak hours or major events

High server operating costs

Security risks and cyberattacks

Difficulty optimizing video/livestream delivery across multiple devices

Limited data storage and scalability



Consequences

Poor customer experience, lower conversion rates, and customer loss

Poor user experience, revenue loss, and reduced brand reputation

Lower profitability and difficulty optimizing budgets

Service disruption, data loss, and decreased customer trust

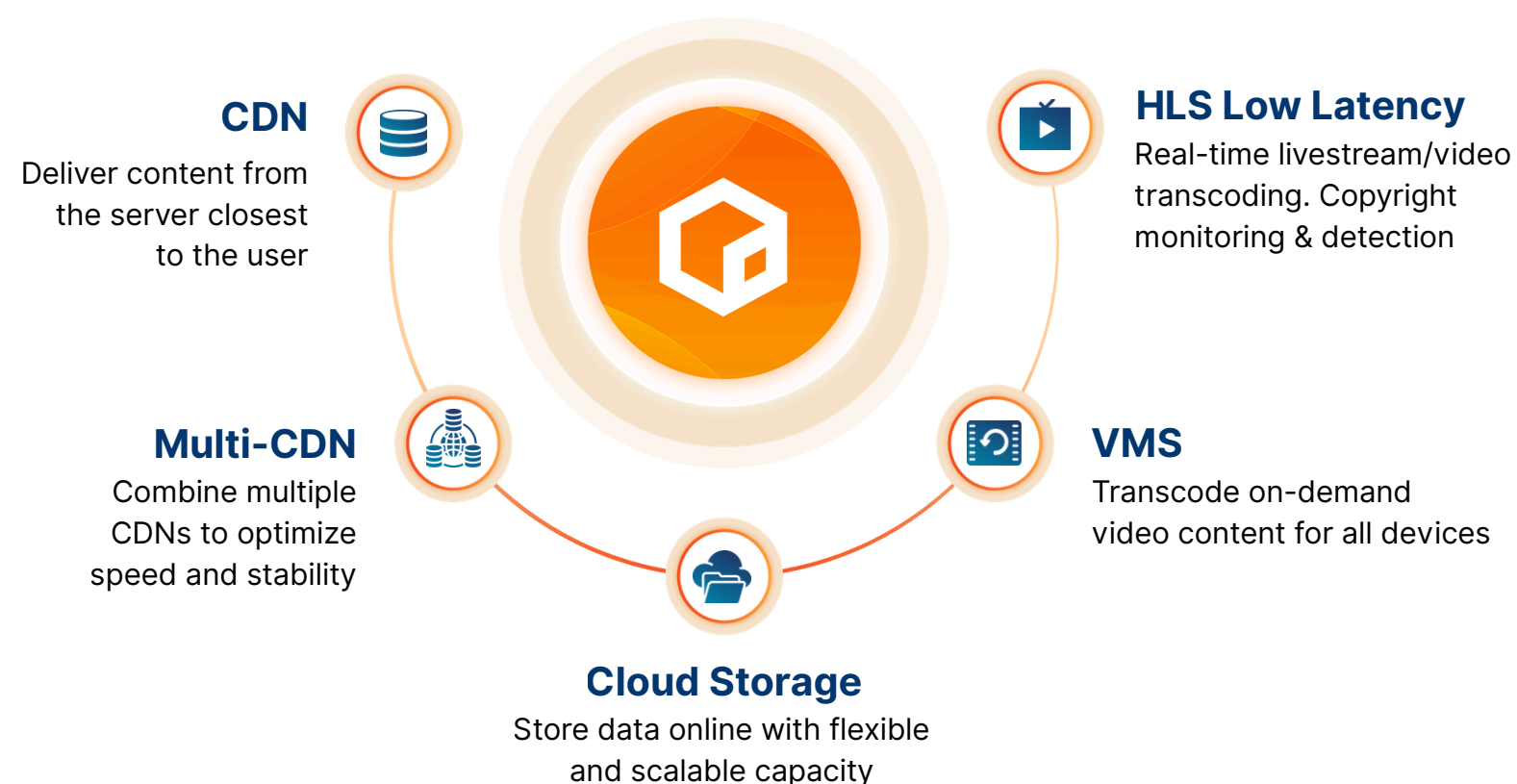
High storage costs and difficulty meeting growth demands

High storage costs and difficulty meeting growth demands

The solution ► CDN, Transcode, Cloud Storage

Handling high traffic loads, particularly during **peak times** or **DDoS layer 3/4 attacks**, requires **strong** and **stable performance** to ensure uninterrupted service and protect revenue.

VNCDN's comprehensive acceleration ecosystem



Quick & easy VNCDN integration

To integrate VNCDN, customers only need to provide the following information:

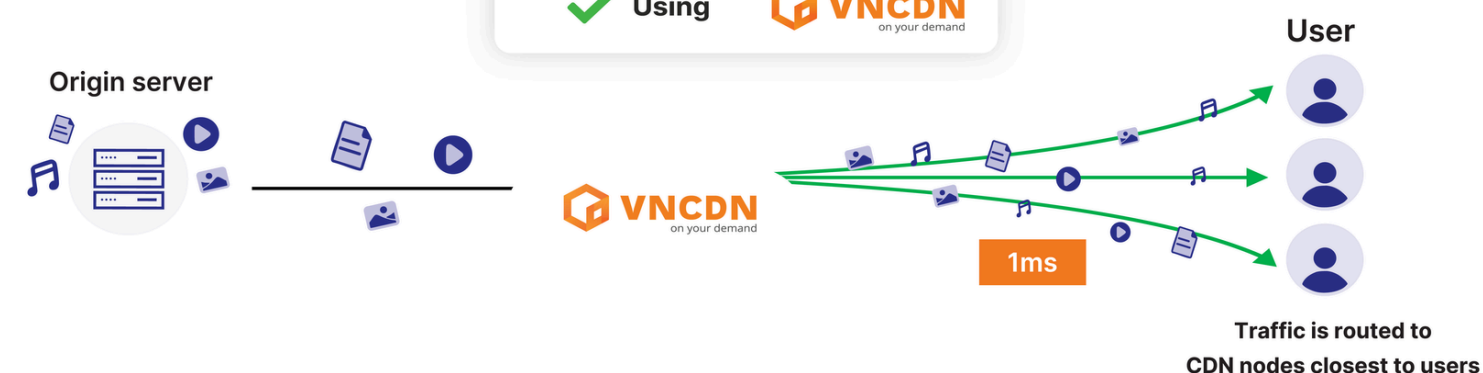
- ✓ Domain
- ✓ SSL Certificate
- ✓ IP Origin
- ✓ Whitelist of CDN IP ranges

Solution effectiveness

✗ Not Using VNCDN on your demand



✓ Using VNCDN on your demand



Global coverage with robust infrastructure capacity

Vietnam

Infrastructure deployed across All major ISPs in Vietnam (Viettel, Mobifone, VNPT, FPT)

10M +

Concurrent users

15+ Tbps

High domestic uplink bandwidth

20B +

Requests processed daily

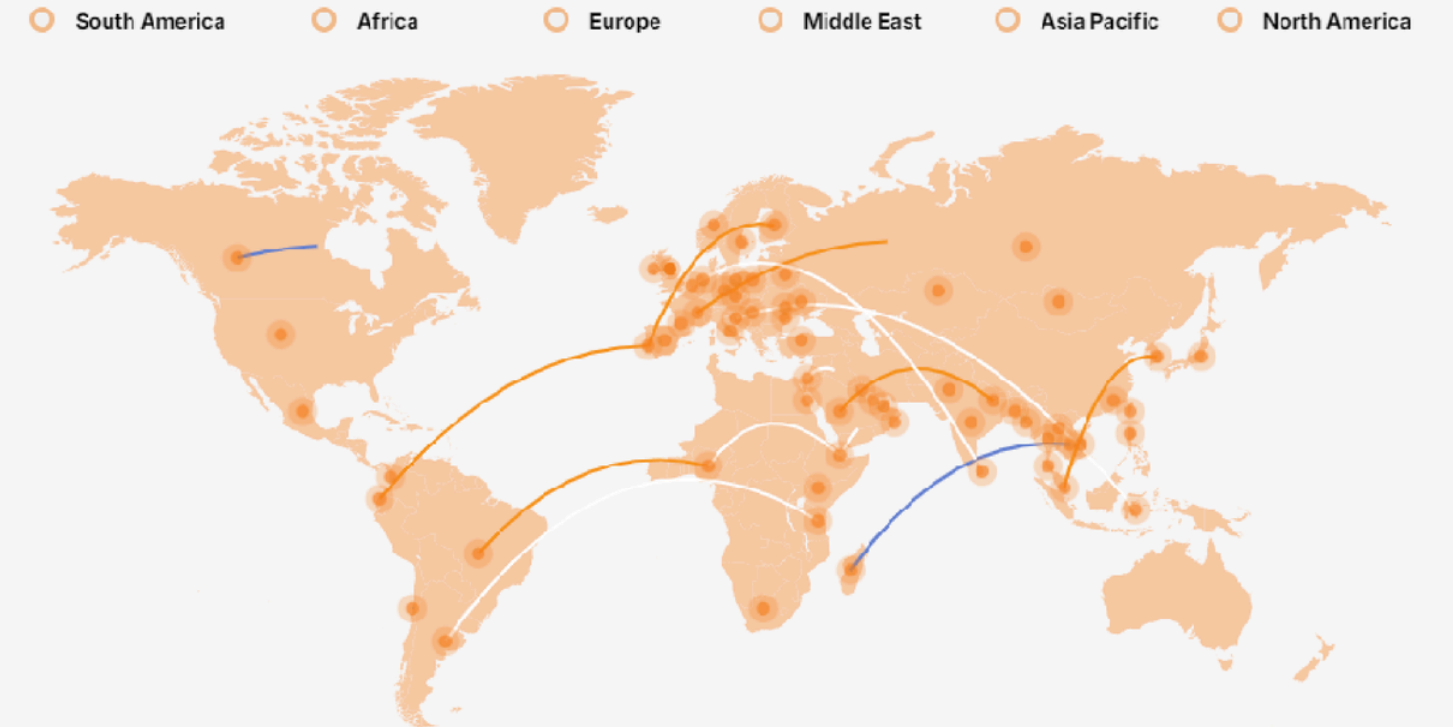
Global

2.300 PoPs

Presence in 146+ countries

200 Tbps

Global CDN uplink capacity



NVMe Gen5 và CPU Intel® Xeon® 6 Efficient 6740E

Fully synchronized with the latest and most advanced server configurations on the market





VNIS

VNETWORK Internet Security

04

Comprehensive Web/App/API security solution
powered by AI and Machine learning

The problem

Challenges

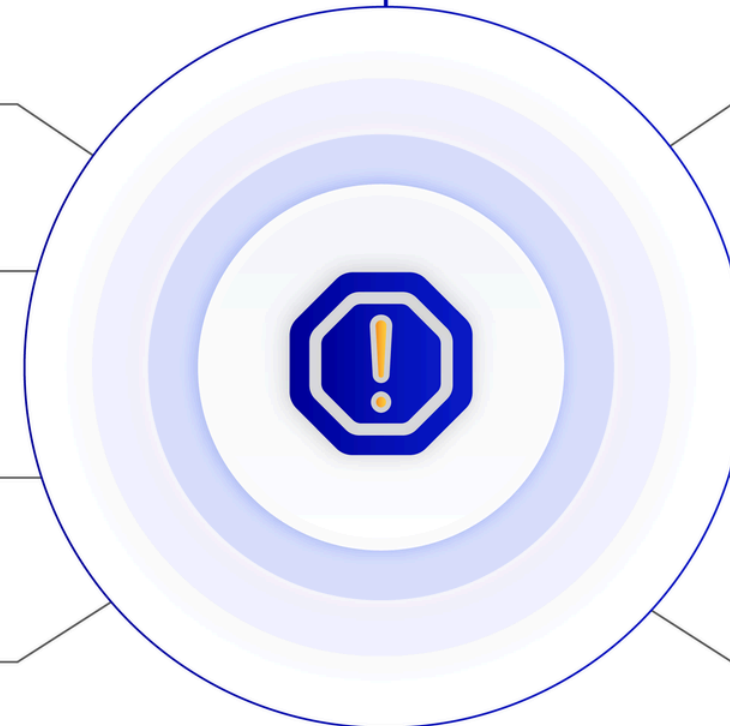
Infrastructure can handle normal operations but struggles under sudden traffic spikes or attacks

Security vulnerabilities are exploited; APIs lack adequate protection mechanisms

High latency and frequent downtime during peak hours

Unable to find a trusted and high-quality security provider

Lack of experience in incident response and insufficient support from global providers



Consequences

Websites may become slow or inaccessible, leading to unplanned costs (especially when using physical firewalls or limited bandwidth)

Data is exposed or attacked via APIs, affecting security and customer trust

Poor user experience, customer loss, reduced performance, and revenue impact

Wasted time and money on ineffective solutions (such as outdated WAF systems)

Delayed response to attacks may lead to data loss, service disruption, and serious operational damage

The solution ► Web/App/API protection

A security solution is **empowered by AI**, which involved AI during the process of designing the solution in order to **predict, detect,** and **defend** against increasingly sophisticated cyberattacks.



Secure and speed up Web/App/API



Multi-CDN

Activate easily trusted global CDNs on a single platform



AI WAF

Block targeted attacks with 2,400+ Core Rule Sets and AI/ML



AI Smart Load Balancing

Distribute automatically traffic to reduce load on origin servers



SOC & Experts

Mitigate attacks in as little as 5 minutes

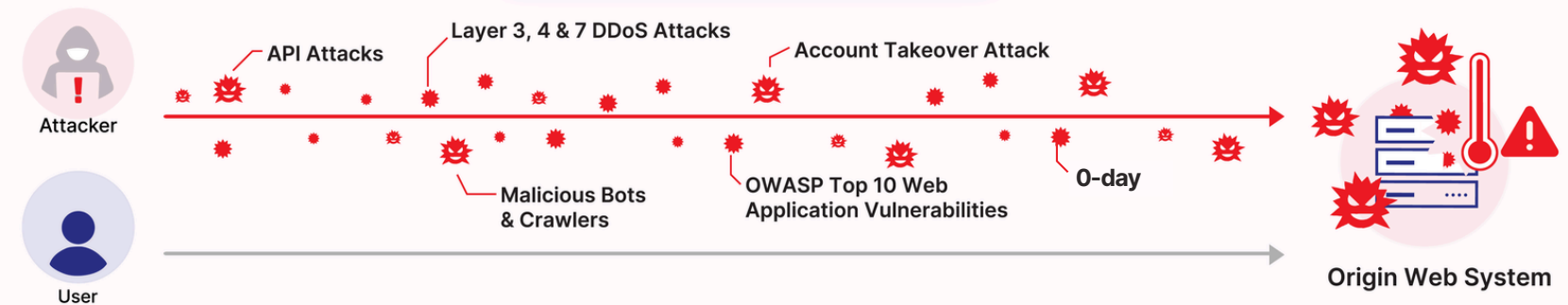
Quick & easy VNIS integration

To integrate VNIS, customers only need to provide the following information:

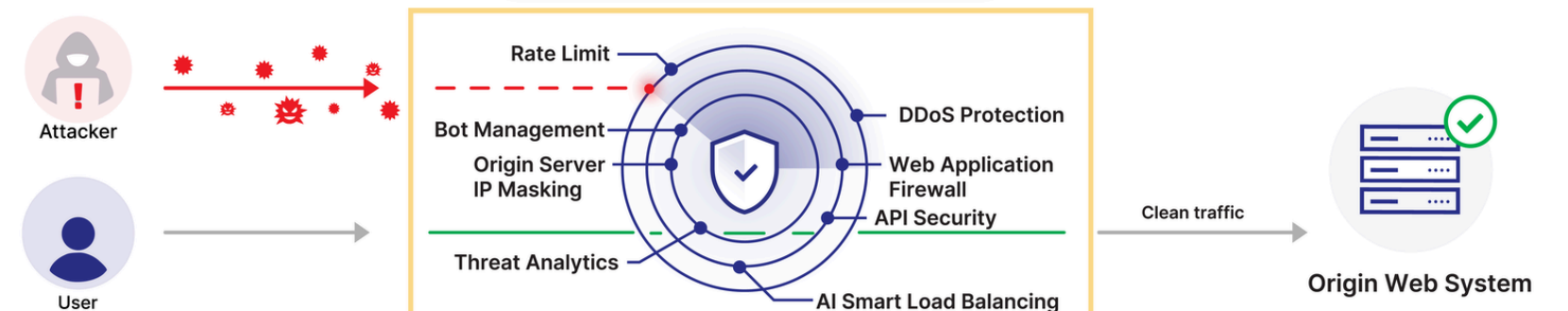
✓ Domain ✓ SSL Certificate ✓ IP Origin

Solution effectiveness

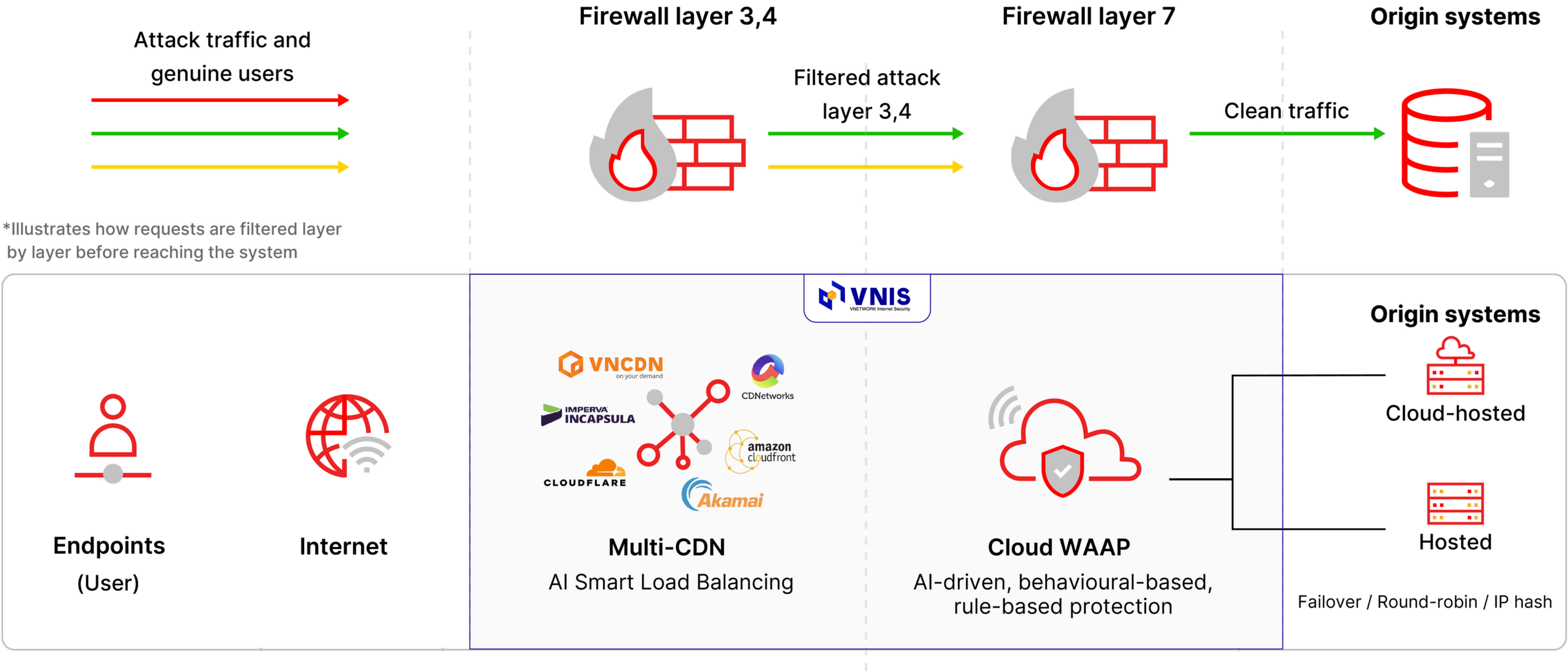
✗ Not using VNIS



✓ Using VNIS



Protection model



EG-Platform

Email Gateway Platform

05

Comprehensive Email security powered
by AI and Machine learning

The problem

Challenges

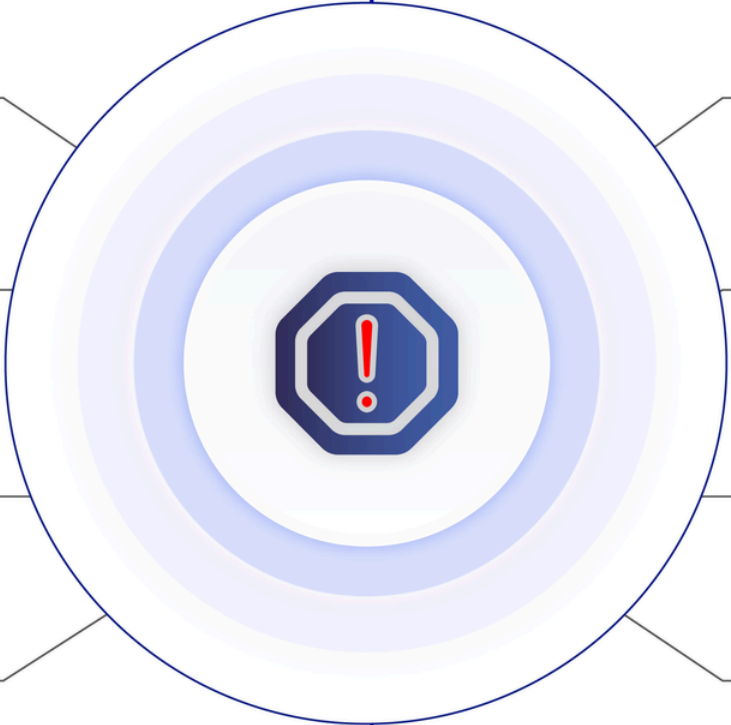
Email is a primary target for cyberattacks such as phishing, ransomware, and malware

Inability to adapt to new attack tactics

Unwanted spam and promotional Emails reduce productivity

Risks from careless user behavior (e.g., clicking malicious links)

Mass distribution of malicious Emails from compromised accounts



Consequences

Sensitive data breaches, loss of brand reputation, and financial or transactional damages

Failure to block sophisticated attacks, leading to critical security risks

Employees waste time handling spam, potentially missing important Emails

Spread of malware, data theft, and disruption of business operations

Damage to brand reputation, legal violations, and loss of customer trust

The solution ► Email protection

Email is an official communication channel for organizations, **directly impacting brand image and reputation**. Protecting the Email system helps safeguard **sensitive customer information** and **secure important transactions**.

EGPlatform
Email Gateway Platform

World-Class Email security

The only email security solution that 100% complies with the world's leading standards, recommended by trusted global organizations.

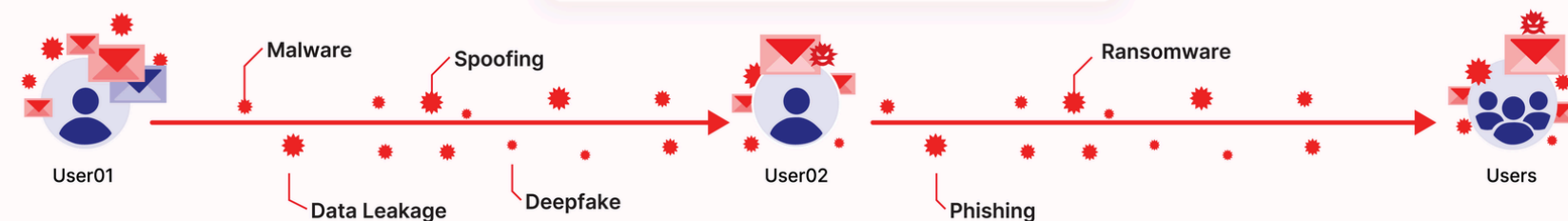
Quick & easy Email security integration

To integrate EG-Platform, customers only need to provide the following information:

- ✓ Email domain
- ✓ Mail server IP
- ✓ Whitelist and blacklist mail list
- ✓ Custom rules configured in the customer's mail system for email filtering

Solution effectiveness

✗ Not using **EGPlatform**
Email Gateway Platform



✓ Using **EGPlatform**
Email Gateway Platform



The only solution that complies with 100% of recognized international email security standards by:

International Telecommunication Union



Recommended by
trusted global
organizations
ITSCC, Gartner, Rapid7



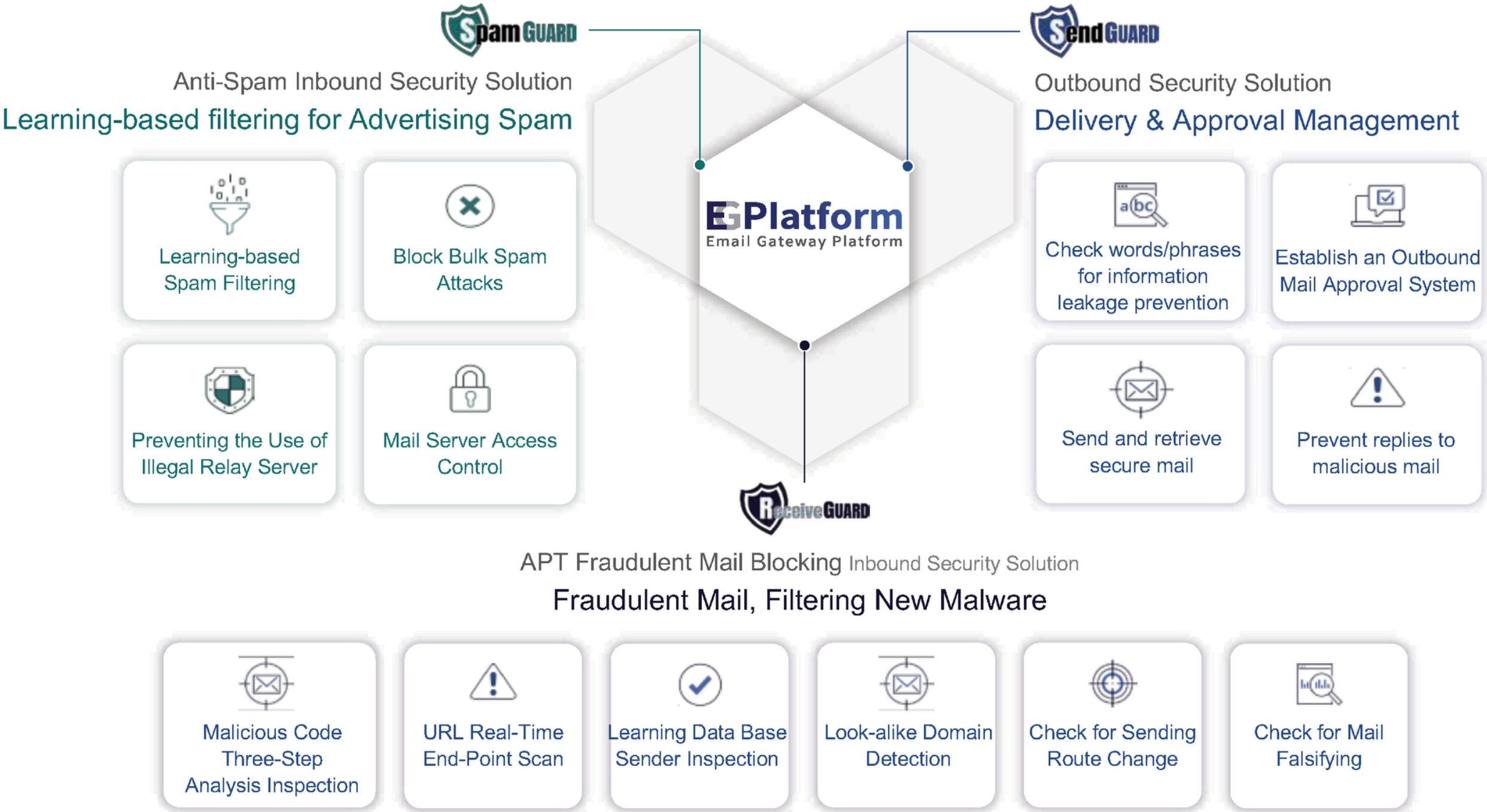
Gartner
RAPID7

3 AI/ML-Powered email filters

Global Standard Email
Integrated Security Platform

EG-Platform

Email Security
Solutions into ONE



Case study

Proven success with VNIS,
EG-Platform and VNCDN



Case study - VTV

Vietnam Television (VTV) is the national broadcaster owned by the Government of the Socialist Republic of Vietnam. VTV's mission is to communicate the Party's guidelines, and the State's laws and policies, contributing to public education, cultural enrichment, and improving citizens' quality of life. Broadcasting is available not only across Vietnam but also in countries such as Laos, China, and Thailand.



Challenges

- Slow load times, especially during peak hours or in international regions like Laos, China, and Thailand.
- Lack of optimized support for multi-device streaming, bitrate adaptation, and large-scale livestream events.
- The previous provider lacked flexible pricing models and the ability to manage case-by-case campaigns with dedicated support.

Solutions

- ✓ Accelerated content delivery with 2.300+ global PoPs, optimizing viewer experience in Southeast Asia.
- ✓ Automated video/livestream transcoding with adaptive bitrate for smooth playback on all devices.
- ✓ 24/7 technical support throughout each campaign, before, during, and after major broadcasts.

Results

- ✓ Livestream performance improved by 47%, virtually eliminating lag during high traffic or international access points.
- ✓ Reduced infrastructure costs by up to 30% compared to the previous provider through a flexible pay-as-you-go model.
- ✓ Average incident resolution time reduced to under 5 minutes with 24/7 dedicated technical support.

Case study - FireAnt

FireAnt is a pioneer in providing investment support tools and financial data for both individual and institutional investors. Founded and operated by a team of seasoned experts with deep insights into the stock market, FireAnt delivers effective and innovative investment solutions.



Challenges

- Prolonged system disruptions caused by DDoS attacks, with no provider able to resolve the issue before partnering with VNETWORK.
- Inefficient data delivery performance, reducing customer satisfaction, especially during peak trading hours.

Solutions

- ✓ Upon receiving urgent alerts late at night, VNETWORK quickly isolated the attack and activated VNIS's robust multi-CDN infrastructure to respond effectively.
- ✓ Optimized content delivery to enhance performance for users executing financial transactions.

Results

- ✓ FireAnt's system was secured and fully restored within the same night of the attack
- ✓ Successfully withstood multiple attacks exceeding 150 Gbps of traffic each month without service disruption

Case study - Nhất Tín Logistics

A leading express delivery company in Vietnam with over 20 years of industry experience, offering a wide range of services including express, economy, international, COD, full truckload, and fulfillment. With a network across all 63 provinces, Nhất Tín continues to expand its branches, post offices, and warehouses nationwide.



Challenges

- Severe virus attack affecting over 2,000 Email accounts, causing nearly a month of Email system downtime.
- Excessive spam and virus-infected Emails, posing high risks of data breaches and security threats.
- Difficulties in delivering a large volume of transactional Emails to customers and partners, with many being marked as spam or failing to reach inboxes.

Solutions

- ✓ Migrated all data to VNENETWORK's secure Email servers to ensure data protection.
- ✓ Isolated and completely removed viruses within two weeks, restoring system stability.
- ✓ Implemented EG-Platform to prevent targeted attacks such as ransomware, APTs, and phishing.

Results

- ✓ Blocked all Email threats, saving employees over 80% of the time spent handling spam and boosting efficiency.
- ✓ Reduced operating costs, meeting logistics industry needs for large-scale transactions.
- ✓ Significantly increased inbox delivery rates, even for high daily Email volumes.

THANK YOU

VNETWORK GROUP

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