VinCSS
Cyber Security Services

2022

FROST & SULLIVAN

BEST PRACTICES AWARD

VinCSS - 2022 Southeast Asia
Passwordless Authentication Enabling
Technology Leadership Award

COMPANY PROFILE

CONTENT

ABOUT US

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VINCSS INTERNET SECURITY SERVICES JSC

VinCSS Internet Security Services JSC, a member of Vingroup JSC, is a leading organization mainly providing cybersecurity and strong Identity & Access Management solutions.

VINCSS OPERATES IN 4 MAIN AREAS

Identity & Access Management Solutions

FDO IoT Security Solutions

IT Security Services

Connected Car Security Services

OUR CUSTOMERS

VinCSS
Cyber Security Services

Banking

Financial service

Technology company

IoT solution providers

Automotive

VinSmart   VINFAST   VINCOM Retail   Vin3S   VinHomes   VinMec

VinSoftware   VinES   VINPEARL   VINUNIVERSITY   VinAi   IVB

VINGROUP

VISION & MISSION

VISION

Become a leading enterprise in providing high-tech security products and services in Vietnam and Asia.

MISION

Research, develop and master technology to provide optimal strong Identity and Access Management solutions.

Pioneer research and development of high-quality cybersecurity solutions to protect people's digital life practically and comprehensively.

CORE VALUES

INTERNATIONAL STANDARDS

Products and services meet international standards and are recognized by prestigious global organizations.

INNOVATION

VinCSS focuses on research and development activities, willing to adopt new technologies and process to always be a pioneer.

PRACTICAL BENEFITS FOR CLIENTS

VinCSS takes the practical benefits of customers as a backbone for all activities.

Products and services are designed to bring optimal value, customized for each customer.

WORLD-CLASS WORKFORCE

VinCSS is proud to build a team of highly qualified, internationally certified and law-abiding personnel. This workforce is working in an equal environment, respecting differences, where each individual can expand their career.

STRENGTHS

PREMIUM QUALITY
Products and services have premium quality, efficiency assurance and are tailored to the unique needs of each organization.

INTERNATIONAL STANDARDS
Products and services meet international standards and are recognized by prestigious global organizations.

TIME & COST EFFICIENCY
With full in-house developed technology, VinCSS's solutions have competitive prices, effectively deploying in a reasonable amount of time.

CUTTING-EDGE TECHNOLOGY
With the ability to research and apply new technologies quickly, VinCSS's products and services are constantly being developed to upgrade benefits for customers.

VINCSS
BOARD OF DIRECTORS

MR. DO NGOC DUY TRAC

CEO OF VINCSS

- Master of Computer Science.
- Leading expert with more than 20 years of experience in information security.
- In charge of many important positions, coodinate national computer emergency response, directly organize the protection of critical information infrastructures in Vietnam.

MR. NGUYEN PHI KHA

DCEO OF TECHNOLOGY

- More than 19 years of intensive experience in the information technology industry.

- Familiar speakers at many national and international forums and conferences on information security; directly deal with many national cybersecurity incidents.

- Winning a series of important awards in-depth knowledge competitions of international information security (HITB Malaysia, ISEC CTF Korea, WhiteHat Grand Prix ...)

MR. KIEU MINH THANG

DIRECTOR OF SERVICES DIVISION

- More than 15 years of researching and working in the information security field.

- In charge of Operation Department, VNCERT, implementing information security alerts, responding to cybersecurity in Vietnam.

PRODUCTS & SERVICES

CYBER SECURITY SERVICES

VINCSS – PENTEST®

VINCSS – DEFENSE & RESPONSE®

VINCSS – THREAT HUNTING®

VINCSS – CYBER SECURITY TRAINING®

VINCSS – THREAT INTELLIGENCE®

VINCSS – MANAGED SECURITY SERVICE PROVIDER (MSSP)

VINCSS FIDO2® ECOSYSTEM

VINCSS – CYBER SECURITY MONITORING®

VINSOC®
CYBER SECURITY MONITORING

INVESTIGATE & RESPONSE
EDR, IPS, WAF

SCADA/IOT
Analyze Scada/IoT

THREAT INTELLIGENCE
OSINT, CERTS...

SCALABILITY
Integration API

VINSOC®

AUTOMATION
Automated respond

TECHNOLOGY
AI/ML, Big-Data...

CONTINUOS MONITORING
Operate analyze 24/7

CONTINUOS CONTROL
Compliance check

VinSOC®, a next-gen IT/SCADA/IoT SOC of VinCSS, effectively works and significantly reduces the response time to threats by applying Artificial Intelligence technologies, Machine Learning and Big-Data to automate business processes and improve investigation capabilities.

VinSOC® connects/collects all resources through agents/ log forwarders, setting up passive information collection points (SPAN/ TAP/Network broker, etc.), and using hand-crafted connectors/APIs for non-standard data types.

VinSOC® uses Big-Data platform and various AI/ML applied engines with advanced algorithms and models for centralization and automation. VinSOC® also provides continuous and comprehensive Cyber Security scenarios to help your organization respond timely to incidents. This is an important element of Adaptive Security Architecture.

- **PROACTIVE, CONTINUOUS, AUTOMATIC AND COMPREHENSIVE MONITORING**

- **TIME ANALYZING, ALERTING AND RESPONDING TO THREATS**

VINCSS - MSSP
MANAGED SECURITY SERVICE PROVIDER

Managed Security Service (MSS) is an outsourcing service to monitor and manage overall network security for an organization, including monitoring, detection, protection, and response to network security.
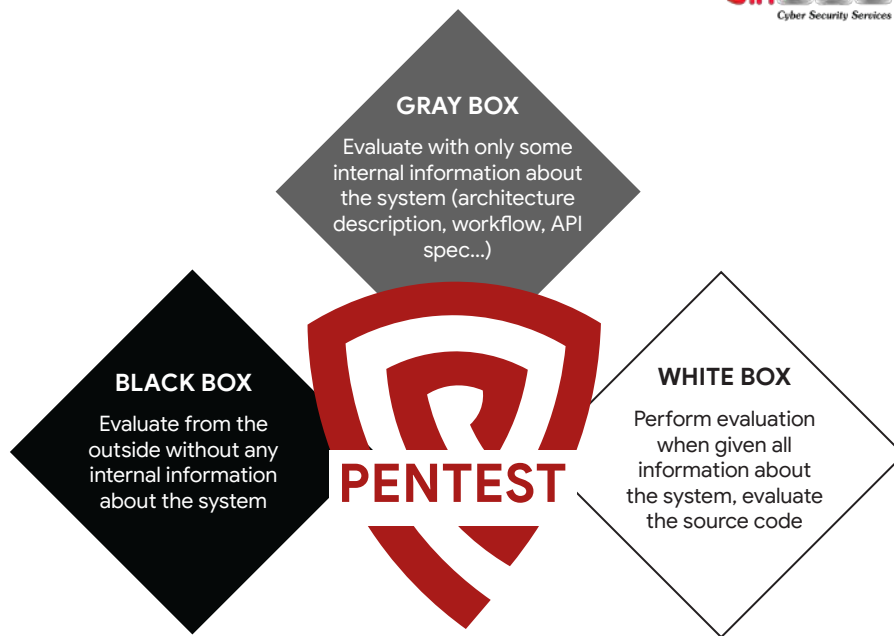
MSSP là is MSS providers.

Security Operation Center (SOC) is a technical center of MSSP service providers, operating 24/7 with a team of professional experts to perform part or all of network security activities instead of customer.

24/7 SERVICE TO MANAGE/ MONITOR/ RESPOND TO THREATS

CYBER SECURITY SERVICES OUTSOURCED IN WHOLE OR IN PART

MSSP

SERVICES ARE PROVIDED THROUGH SOCS

VINCSS - PENTEST®

In compliance with the international standards and cyber security frameworks, VinCSS offers cyber security assessment services on every single component of the IT/SCADA/IoT systems and gives detailed reports on discovered weak points and vulnerabilities. In addition, VinCSS also provides advisory and fortifies the IT/ SCADA/IoT systems.

The level of vulnerabilities is evaluated based on factors such as technical factors, ability to exploit and business activity impact. Moreover, we also consider the characteristics of your organization to recommend the most suitable solutions.

GRAY BOX

Evaluate with only some internal information about the system (architecture description, workflow, API spec...)

BLACK BOX

Evaluate from the outside without any internal information about the system

WHITE BOX

Perform evaluation when given all information about the system, evaluate the source code

PENTEST

☑ **ASSESSING AND REPORTING ON WEAK POINTS AND VULNERABILITIES**

☑ **PROVIDING ADVISORY AND FORTIFYING IT/SCADA/IOT SYSTEMS**

VINCSS - THREAT HUNTING®

VinCSS-Threat Hunting® actively hunts for network threats, indicator of compromise and data breaches in IT/SCADA/ IoT systems of the organization. We proactively detect and alert missed security threats, thereby minimizing security risks for our customers.

ACTIVELY HUNTING FOR CYBER THREATS 24/7

VINCSS - THREAT INTELLIGENCE®

DETECT
Detech bad news and hazards

ALERT
Detect, alert on leaked data

ANALYZE
Analyze collected data from the systems

REPORT
Provide cyber security reports

THREAT INTELLIGENCE

COLLECT
Real-time collect data from social networks, forums, darknet,...

NEWS
Up-to-date cyber security news

By collecting and analyzing information about cyber threats, VinCSS - Threat Intelligence® is an active protection method which aims to provide your organization a deeper understanding of threats.

Using data collected in real-time from a variety of sources, VinCSS - Threat Intelligence® offers comprehensive and up-to-date scenarios of potential threats to your organization.

DEEP UNDERSTANDING OF THREATS

VINCSS - DEFENSE & RESPONSE®

DETECT

Continuous & comprehensive Incident linking & detection

RESPOND

Quick response to incident Investigate & resolve

PREVENT

Active defense Important data protection

PREDICT

Predict attacks Analyze & assess risks

VinCSS - Defense & Response® offers comprehensive protection of the IT/SCADA/IoT systems for your organization based on surveying activities and detailed assessment. Therefore, we are able to implement the most suitable and proactive defensive measures to achieve the Adaptive Security Architecture.

In addition to the standard procedures for Cyber Security incidents, VinCSS - Defense & Response® customizes workflows/ playbooks specifically for your organization, focusing on the organization's goals, and reducing up to 60% of response time compared to traditional responding methods. Combining with

VinSOC® - Cyber Security Monitoring services, VinCSS - Defense & Response® will minimize the time to detect incidents and further reduce the response time up to 90%.

DEFENDING SYSTEMS USING MODERN NETWORK DEFENSE ARCHITECTURE.

EARLIEST DETECTION, FASTER RESPONSE AND LEAST IMPACT.

VINCSS - CYBER SECURITY TRAINING®

In compliance with the Vietnamese and international cybersecurity standards, VinCSS provides training courses to raise end-user awareness and enrich professional knowledge for your cyber-security teams. Training courses are carried out by leading Vietnamese and international cyber security experts, and delivered to students through various methods such as online training and on-site training. In addition, VinCSS continuously updates course content to ensure timely access to the latest information, in accordance with cybersecurity orientation and policies.

RAISING AWARENESS OF END USERS

EQUIPPING PROFESSIONAL KNOWLEDGE FOR CYBER SECURITY PERSONEL

IDENTITY & ACCESS MANAGEMENT (IAM)

VINCSS FIDO2® ECOSYSTEM

- FIDO2® Authenticator
- FIDO2® Server Enterprise
- FIDO2® Cloud Service
- SDK / PLUGIN LIBRARY / UTILITIES
- FIDO2® IOT
- Transformation Services
- Specialized Products

VINCSS FIDO2® AUTHENTICATOR

- Comprehensive anti-phishing
- Support passwordless login
- Is a product in the big trend of changing the game in modern cyber security defense

On December 24th 2019, VinCSS achieved the **VinCSS FIDO2® Authenticator Certificate**

RECOMMEND USING
VINCSS FIDO2® TOUCH 1
ON MICROSOFT AZURE ACTIVE DIRECTORY

> Microsft's recent acknowledgment follows VinCSS FIDO2 certification earlier this year and presents another boost for Vietnam's international tech presence and prestige. Being chosen by tech giant Microsoft signals global confidence in VinCSS's ability to satisfy the most difficult clients and markets.

BIOMETRICS RESEARCH GROUP

*An organization providing market research and consulting to the world biometrics industry, **Biometrics Research** Group has recognized the strong development of VinCSS in 2020.*

VINCSS FIDO2® FINGERPRINT

- Comprehensive anti-phishing

- Support passwordless login

- Fingerprint / Bluetooth / NFC enabled

- Authentication key with phone stand that goes with your smartphone

On December 8th 2020, VinCSS achieved the **VinCSS FIDO2® Fingerprint Certificate**

Certification

In recognition of VinCSS of Vingroup's achievement of FIDO2® Certification

Company: VinCSS of Vingroup
Product: VinCSS FIDO2 Fingerprint Authenticator
Specification: FIDO2
Specification Version: 2.0 (2018-07-02)
Implementation Class: Authenticator
Level: L1
Functional Policy Version: 1.3.4
Authenticator Policy Version: 1.2
Security Requirements Version: 1.3
Interoperability Date: 7 December 2020
Conformance Self-Validation Date: November 11 2020
Vendor Questionnaire Approval Date: 8 December 2010

Certificate No.
FIDO20020201208001
Issued
December 8th, 2020

VINCSS FIDO2® SERVER ENTERPRISE

VinCSS has successfully researched and developed the VinCSS FIDO2® Server Enterprise platform to ensure safety, using FIDO2 protocols to provide strong authentication capabilities.

The application can integrate passwordless authentication with the VinCSS FIDO2® Server Enterprise platform through the most popular authentication integration standards today including OAuth2, OpenID Connect and SAML2.

The system provides a centralized console for authentication key management.

https://passwordless.vincss.net/en/fido2clouden/

VINCSS FIDO2® CLOUD

- Operates in a shared platform (SaaS)
- Allows centralized authentication for organization of less than 1000 employees.
- With the VinCSS FIDO2 OAUTH2/FIDO2 servers coupled with the management GUI enables SMB's to integrate and migrate their applications with strong authentication and passwordless environment.

SDK/PLUGIN/LIBRARY/UTILITIES

SDK

SDK – developer tools enables applications to support passwordless authentication.

PLUGIN

Small packages transforms applications to passwordless authentication

SDK/PLUGIN/LIBRARY

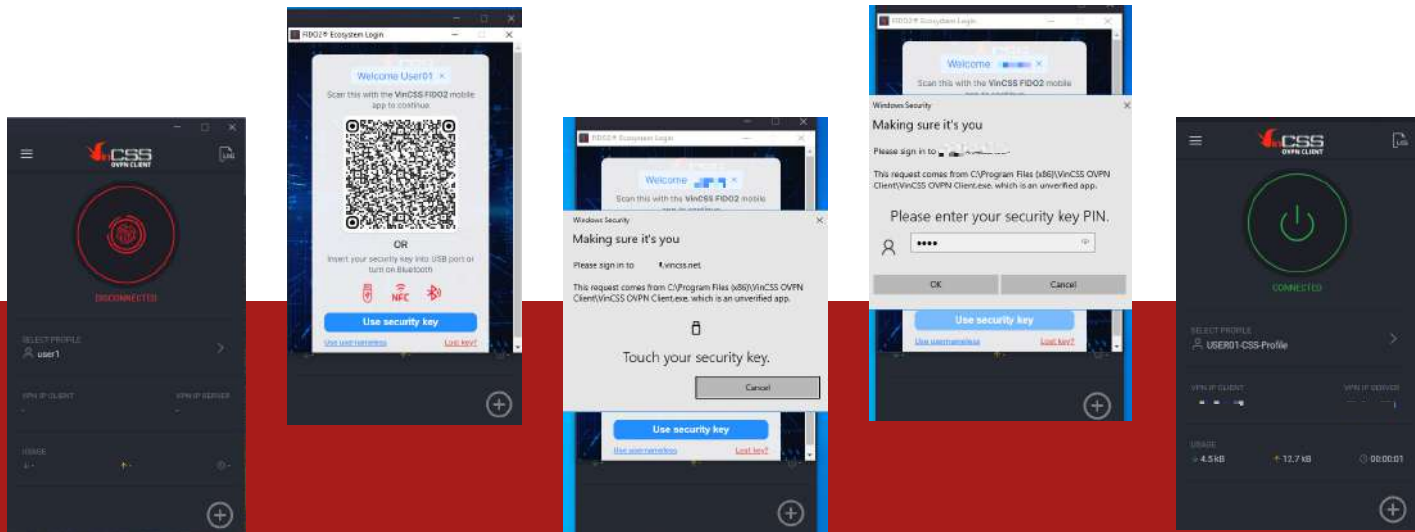Enabling legacy applications migration for digital transformation

FIDO2 standard utility services:
OpenVPN, Gitlab, Jira...

VINCSS OVPN CLIENT

- Eliminate phishing attacks target at remote workforce and ensure high productivity.
- OVPN with FIDO2 Certified OAUTH2 and FIDO2 servers to ensure strong authentication.

TRANSFORMATION SERVICES

CONSULTATION
Consulting on FIDO2 best practices for enterprise environment.

STRATEGIC PLANNING
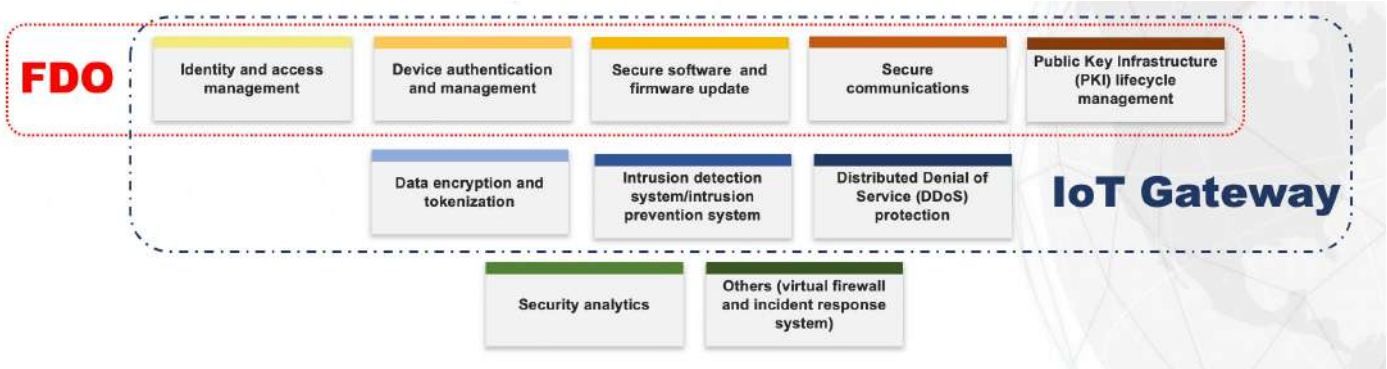Strategic Planning with relevant departments to deploy IAM.

IMPLEMENTATION
Implementation, deployment and integration strong authentication to devices and infrastructure.

OTHER
Support other services.

VINCSS IOT FDO

FDO
- Identity and access management
- Device authentication and management
- Secure software and firmware update
- Secure communications
- Public Key Infrastructure (PKI) lifecycle management
- Data encryption and tokenization
- Intrusion detection system/intrusion prevention system
- Distributed Denial of Service (DDoS) protection
- Security analytics
- Others (virtual firewall and incident response system)

IoT Gateway

"**FIDO Device Onboarding** simplifies device onboarding process, secure by design, easy to deploy and open environment"

PRODUCE IN FACTORY/RESELL → CONECT TO THE INTERNET → CLOUD PROVISIONING → DEVICE READY IN SERVICE
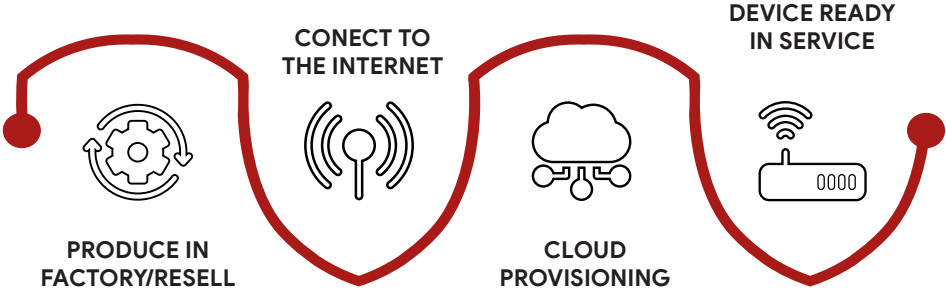
OUTSTANDING ACHIEVEMENTS

A PIONEER PROVIDING THE SAFEST AUTHENTICATION SOLUTIONS

"VinCSS - 2022 Southeast Asia Passwordless Authentication Enabling Technology Leadership Award"

FROST & SULLIVAN

HUMAN RESOURCES

VinCSS
Cyber Security Services

GMON
GIAC Continuous
Monitoring Certification

GREM
GIAC Reverse Engineering
Malware

GCDA
GIAC Certified Detection
Analys

GPYC
GIAC Python Coder

GICSP
Global Industrial Cyber
Security Professional

GCWN
GIAC Certified Windows
Security Administrator

GCFA
GIAC Certified Forensic
Analyst

GSNA
GIAC System and Network
Auditor

GCIA
GIAC Certified Intrusion An-
alyst

GSEC
GIAC Security Essentials

GCPN
GIAC Cloud Penetration
Tester

GWAPT
GIAC Web Application Pene-
tration Tester

GCSA
GIAC Cloud Security Auto-
mation

SANS' CERTIFICATES

VinCSS is the company with the most SANS' certificates in Vietnam in terms of both quantity and type of certificates

Gathering a team of leading experts in Vietnam and constantly training and practising to reach the world-class level,

VINCSS - MEMBER OF FIDO ALLIANCE

FIDO Members

Sponsor Level Members

Vingroup affiliate joins FIDO Alliance

By Tuan Hai - Aug 11, 2020 | 01:58 PM GMT+7

The**LEADER** VinCSS LLC, a cybersecurity startup under Vietnam's largest private conglomerate Vingroup announced it has joined the FIDO Alliance. VinCSS provides robust solutions for strong authentication by leveraging open authentication standards that eliminate the reliance on passwords enable secured utilization of FIDO2 standard.

The exponential growth of threats on cyberspace has disrupted systems which utilize password-based authentication, resulting in hassles for users and burden on organizations since the maintaining cost is substantial and associated risk exceedingly great.

One method was to deploy two factor authentication using OTP (one-time passwords) however it can only partially solve the issue at hand and has been defeated multiple times

MICROSOFT IDENTITY PARTNER

VinCSS and Yubico (the world's largest company producing FIDO2 strong authentication keys) becomes **2 IN 5 MICROSOFT IDENTITY PARTNERS IN 2020.**

Microsoft

Enabling the move to passwordless

Weak passwords are a vulnerable attack vector for bad actors, which is why we are such strong advocates of passwordless technologies. According to Forrester, passwordless technology is top security trend that customers are evaluating to ensure secure yet easy to use experiences. To help customers adopt passwordless methods, including FIDO2 security keys, we've worked with hardware partners like Yubico to pilot a program to accelerate deployment of passwordless solutions through our services partners.

Yubico Passwordless Pilot Program

Services partners like System Integrators are an important catalyst to help customers accelerate their passwordless deployment. That's why we've partnered with Yubico to provide services partners the ability to nominate their customers to pilot YubiKeys. Services partners can leverage our joint pilot program and receive 25 YubiKeys to deploy with customers. Here's what one partner, Metsys, who has participated in the pilot program and deployed YubiKeys for Groupe Bel had to say:

"The passwordless campaign run by Microsoft and Yubico is the opportunity to show our customers the benefits of the YubiKeys in the Microsoft environment: a simplified user experience for a maximum level of security"- Laurent Cayatte, President of Metsys

New FIDO2 security keys from VinCSS

We are always seeking new partnerships with FIDO2 security key vendors who enhance our ability to provide customers with passwordless authentication options. We've recently added VinCSS, the cybersecurity affiliate of VinGroup in Vietnam, to our list of FIDO2 security key vendors that are compatible with our passwordless experience. With this latest addition, customers in Vietnam and Asia Pacific have another FIDO2 solution to go passwordless.

CONTACT US

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VINCSS INTERNET SECURITY SERVICES JSC

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Thank you!