

# F1Security UWSS



## General Information

Company name	F1security, Inc.
Representative	Lee, Dae-ho
Address	#1402, Ace high-end tower 6, 234, Beotkkot-ro, Geumcheon- gu, Seoul, Korea (08513)
Since	October 2012
Staff	90

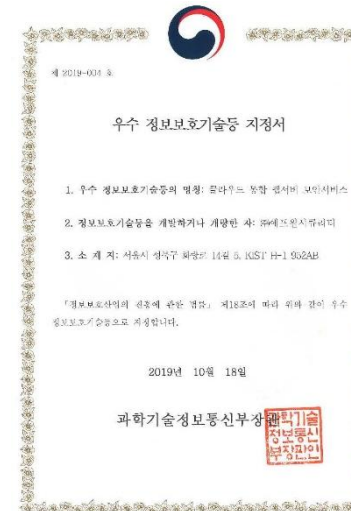
## Information Security Consulting Service

- ISMS, PIMS, ISO27001 certification consulting
- Web penetration test and malware analysis
- Privacy Consulting, Survey and analysis of information security trends

## Web Security Solution / Service

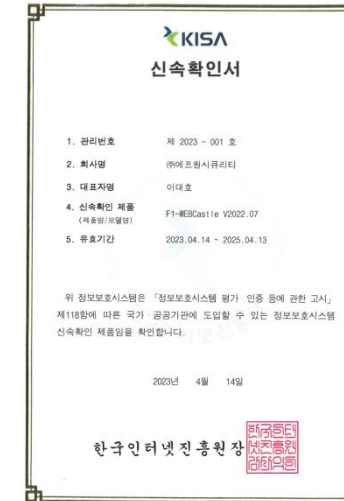
- Unified Web Security Service (UWSS)
- Software Web Firewall (WEBCastle)
- WebShell detection solution (WSFinder)
- Web Malware URL Detection Solution(WMDS)

### Excellent information protection technology designation



Ministry of Science and ICT designated F1Security's S/W products as "Excellent information protection technology" in 2019.

### National security certification confirmation



Korea Internet & Security Agency designated **F1security WEBCastle product as a national security certification product** in 2023.

### Information Protection Product Innovation Award



The Ministry of Science and Technology awarded **the Information Security Product Innovation Award** to F1security in 2023.

# New Criteria for Web Security

UWSS enables global **cloud security services**  
as an all-in-one SECaaS platform.

\*SECaaS : Security as a Service



 **WebCastle**  
**Defend against web attacks**  
Web Application Firewall

 **WSFinder**  
**Malicious Web Shell  
Detection and Deletion**  
Anti-Web Shell



 **WMDS**  
**Destination Web server distributes  
malicious code to proactively detect  
and respond to site malware.**

Websites Malware Scanner  
Web Malware Detection System

01

It's hard to find products offering comprehensive web security for increasingly complex systems.



02

Many businesses lack experts with web security expertise and experience.



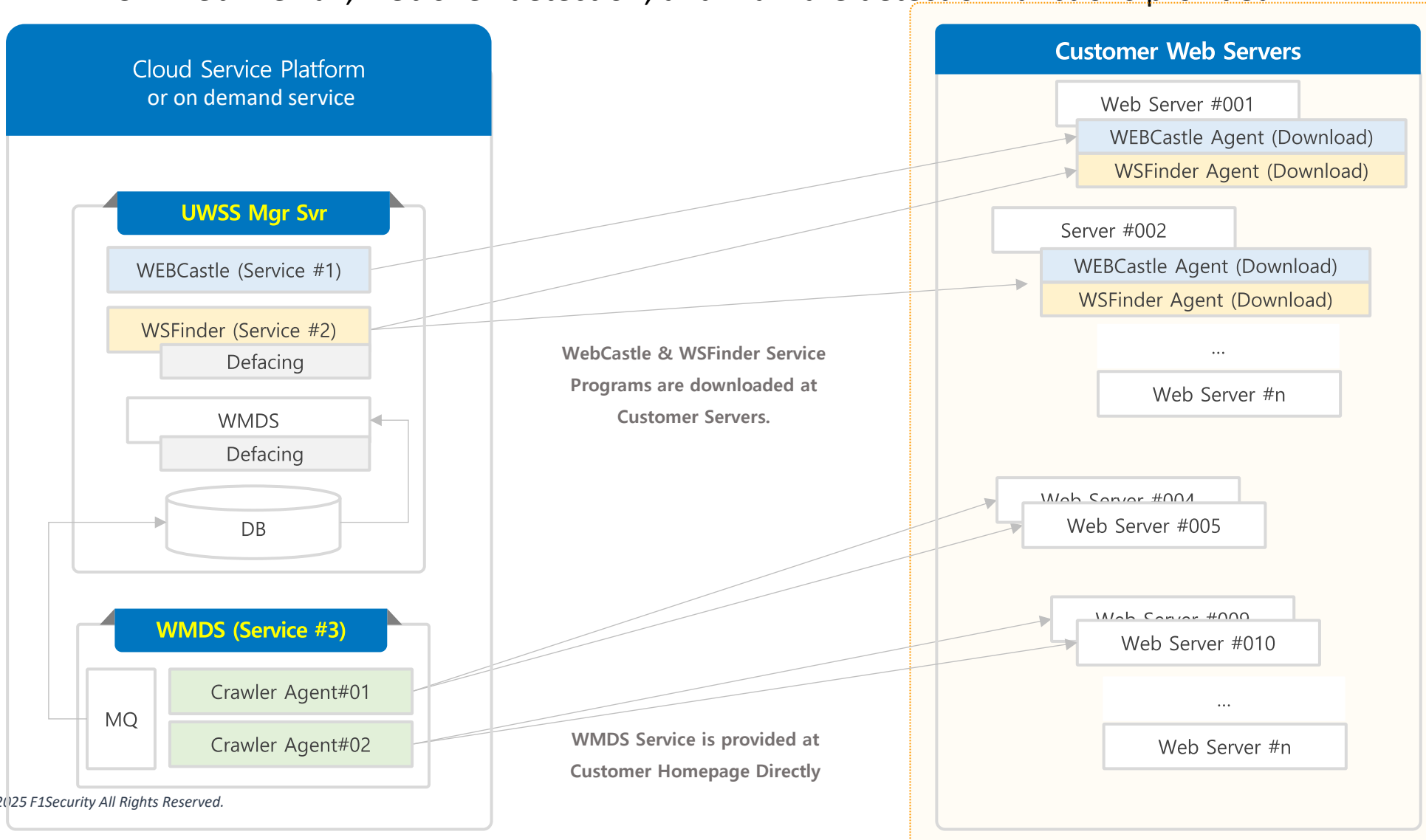
03

Reliable web security products can be an expensive problem.

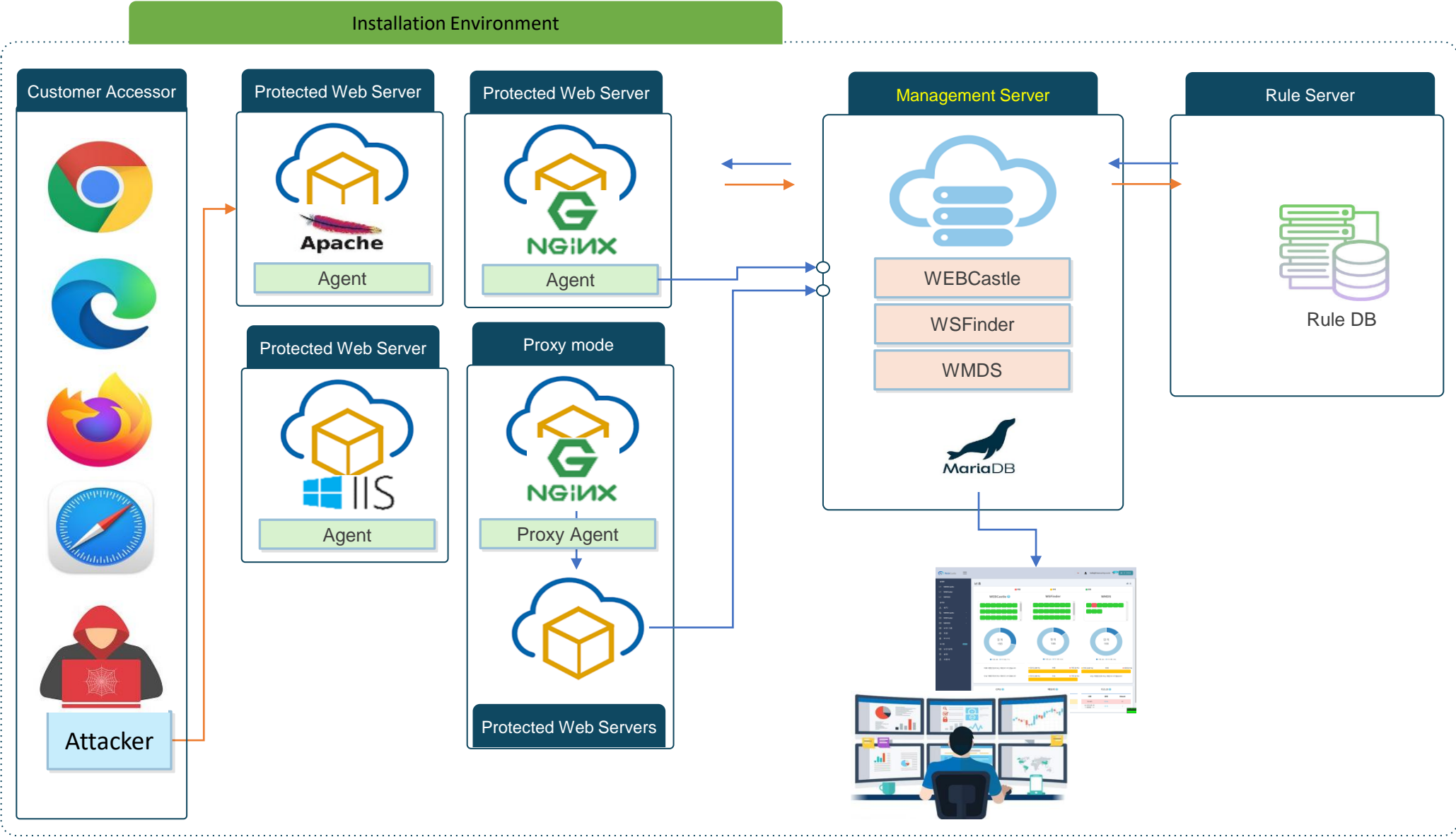




1. UWSS is SW installation type product
2. consists of management server and agent program installed on web server
3. web firewall, web shell detection, and malware detection functions provided



1. A software-based solution optimized for cloud environments.
2. Agent-based installation on web servers, enabling immediate deployment without additional network configuration or changes.
3. Security policies can be applied and centrally managed with just agent installation, even for globally distributed web servers.
4. Integrates all essential web server security features, including web firewall, web shell detection, and malware detection, All-in-One
5. Applied as a filter on web servers, allowing decryption and security policy enforcement on encrypted web traffic (HTTPS) without requiring a additional decryption solution.
6. Security policies and patterns are processed at the server level, avoiding network load.
7. Enables easy application of individual security policies per web server.
8. Fully compatible with ModSecurity CRS, with continuous detection pattern updates.
9. Also offers a proxy-mode web firewall as an alternative to inline/gateway mode, which can be integrated and managed with the agent type.
10. After the initial one-time agent installation, updates can be performed without service interruptions.





# What is WEBCastle?





Web Application Firewall(WAF)

# What is a Web Firewall?

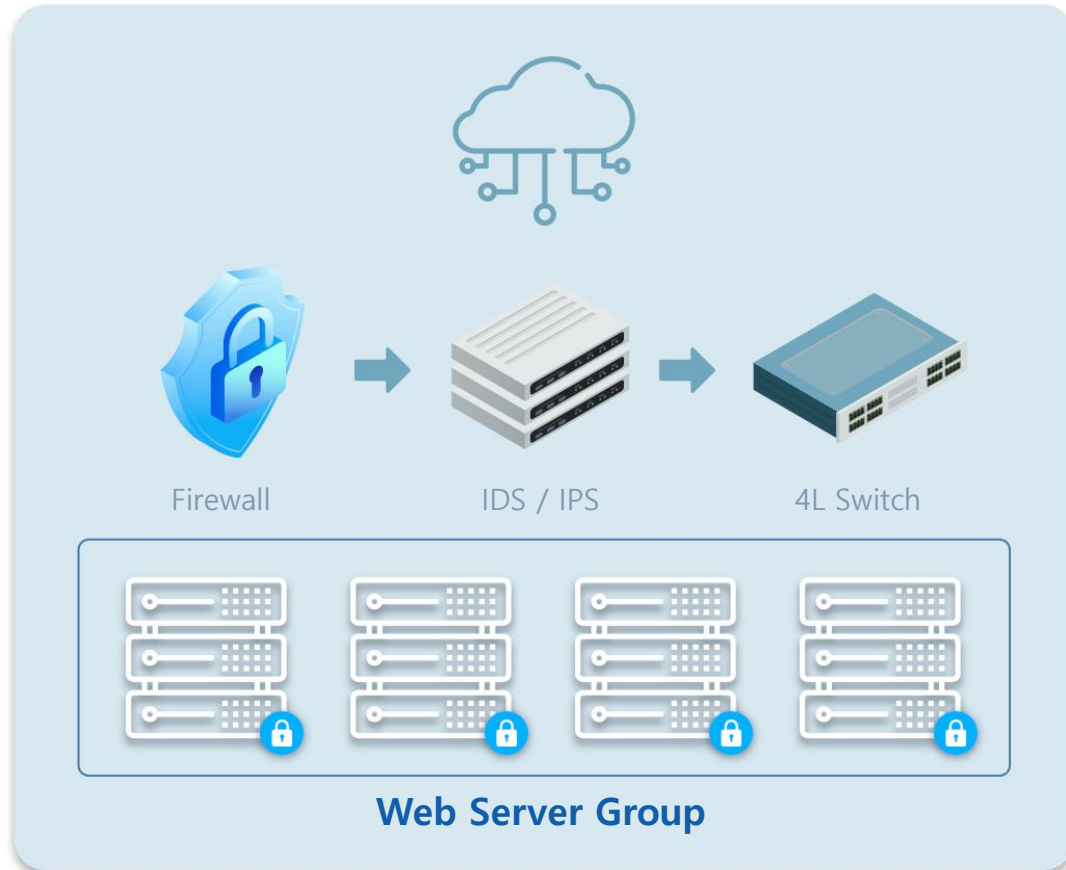
A Web Firewall specializes in web application security, unlike network firewalls. It is a security method that detects and responds to attacks on websites or servers, such as SQL Injection and XSS.

In addition to existing web attack response functions, it prevents information leakage, illegal access, and forgery.

Developed specifically for web application defense, it prevents the exposure of web security vulnerabilities and blocks malicious code from being uploaded from outside. (Protecting web vulnerabilities was originally a function of a web scanner by means of secure coding.)

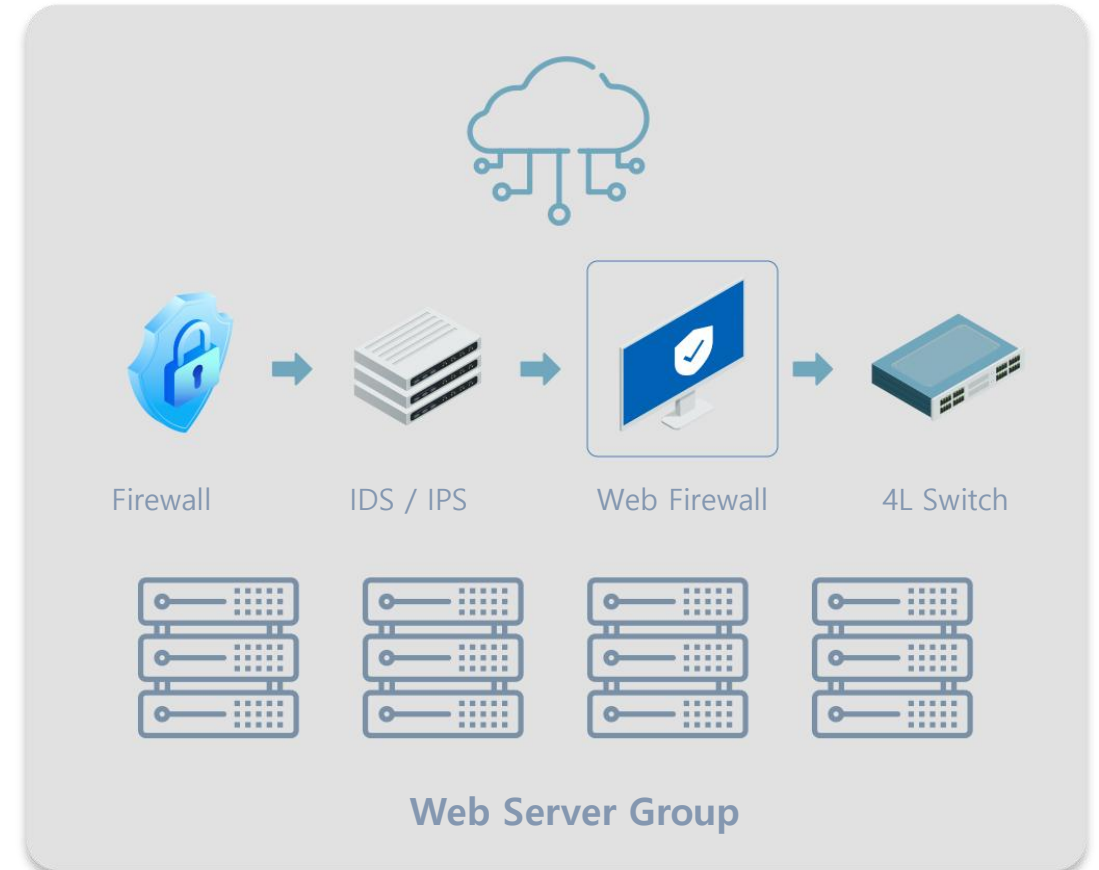


## Software-based firewall (S/W)



Firewall systems installed directly on the Web server

## Appliance-based firewall (H/W)





# Faster throughput


compared to H/W Appliance Firewalls.

An H/W Appliance Web Firewall slows down due to increased traffic when processing Secure Sockets Layer (SSL) data.

The S/W approach operates at the filter level within the web server for **faster SSL data processing**.

**Software-driven web firewalls are excellent** in environmental responsiveness, integrated control, reliability, and pricing.


## National Security Certification

  
**신속확인서**

1. 관리번호	제 2023 - 001 호
2. 회사명	(주)에프원시큐리티
3. 대표자명	이대호
4. 신속확인 제품 (제품명/모델명)	F1-WEBCastle V2022.07
5. 유효기간	2023.04.14 ~ 2025.04.13

위 정보보호시스템은 「정보보호시스템 평가·인증 등에 관한 고시」 제118항에 따른 국가·공공기관에 도입할 수 있는 정보보호시스템 신속확인 제품임을 확인합니다.

2023년 4월 14일

한국인터넷진흥원장 

F1Security's **WEBCastle** product was approved by Korea Internet & Security for **CC Certification** in 2023, ensuring it meets global standards for information security products.



# What is WSFinder?



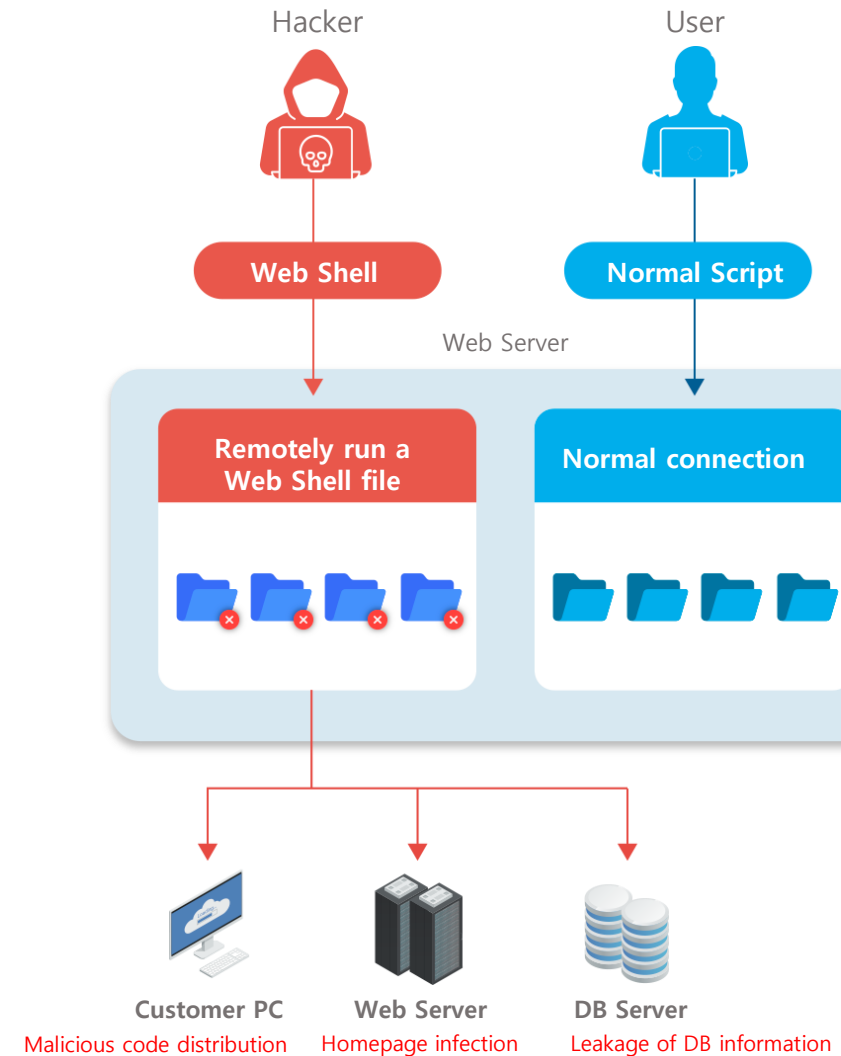


# What is Webshell?

Webshell is a code that can send commands to a system through an upload vulnerability.

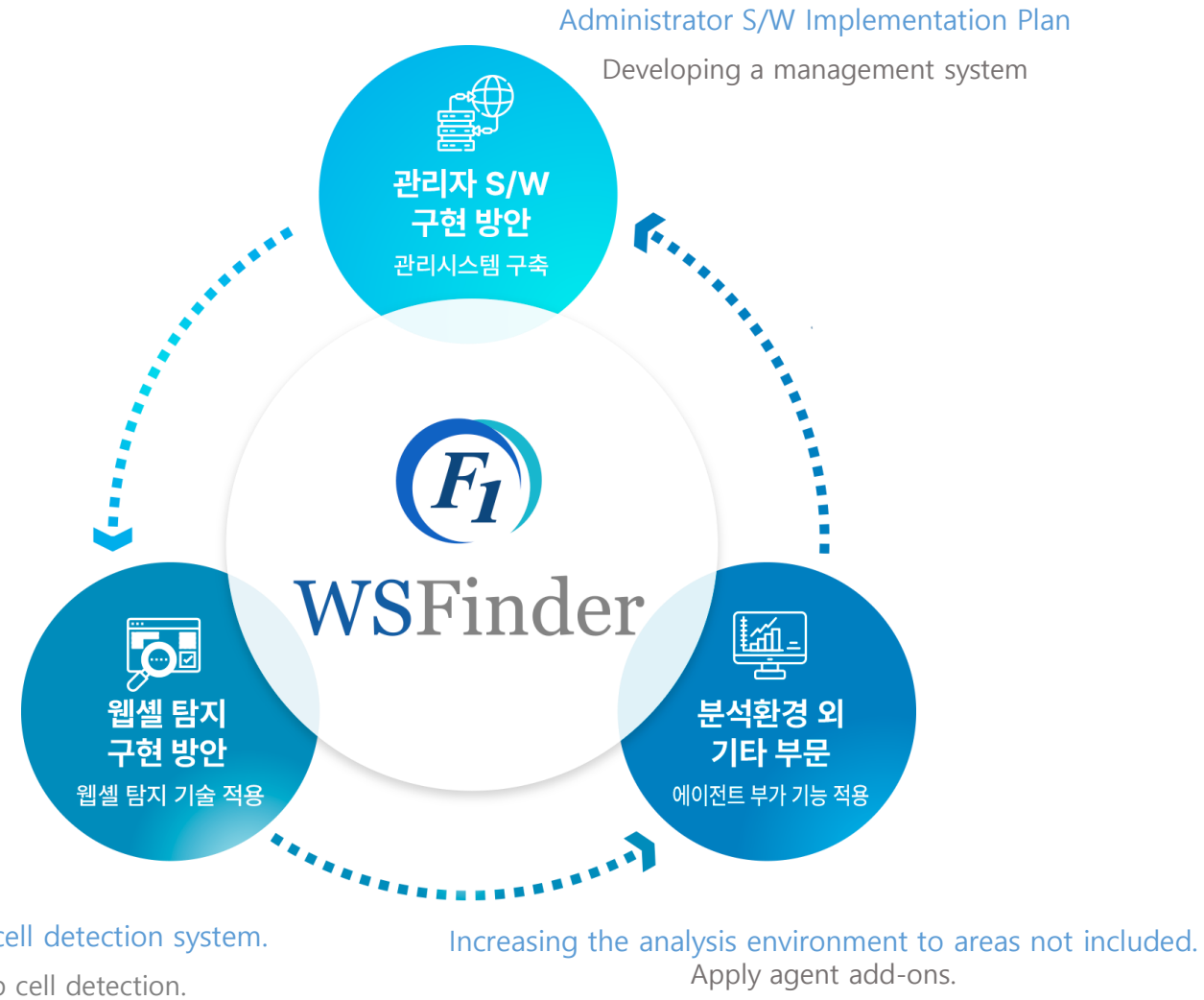
The webshell allows attackers to command a web server remotely, using web script files (asp, php, jsp, cgi) they create.

WSFinder is a means to defend against webshell Advanced Persistent Threats (APTs).



# **F1** WSFinder

WSFinder is the most widely-used APT solution for websites, based on advanced technology and expertise in the field, and developed for both effectiveness and user convenience.





# What is WMDS?





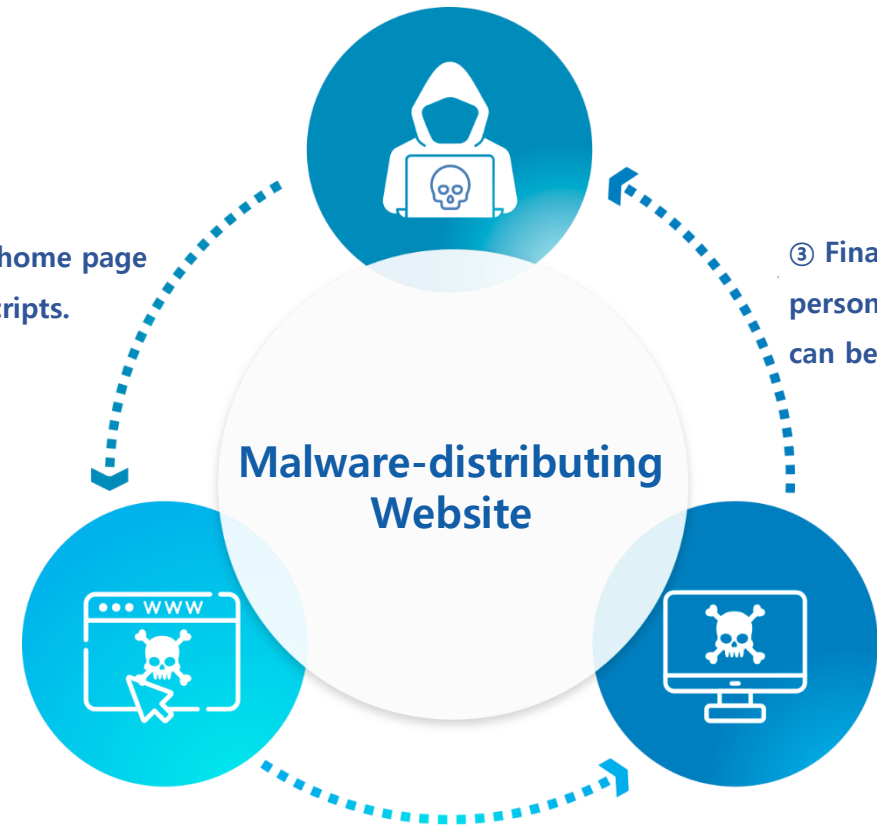
# What is a malware distributing website?

If you access a website that distributes malware, your computer can be infected with malicious code.

Just by accessing such a website, your system can be infected with malware such as ransomware (which has recently caused problems globally).

① Hackers access the home page and insert malicious scripts.

③ Financial and other personal information can be leaked.

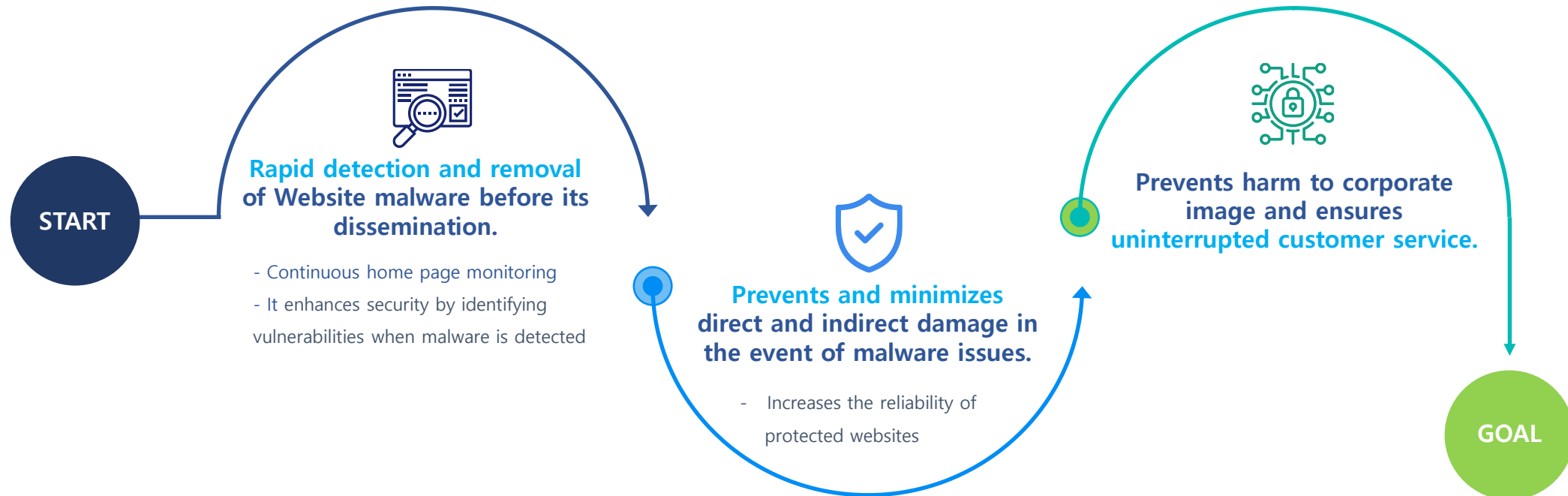


② When a user visits the website, malicious code is automatically installed on the user's PC.

## F1-WMDS Benefits

# F1-WMDS Solution Web Malware Detection System

It is a system that regularly checks websites for the presence of code that distributes malware and removes malware before it spreads. Before deployment, it notifies the system administrator or control system to take appropriate action.

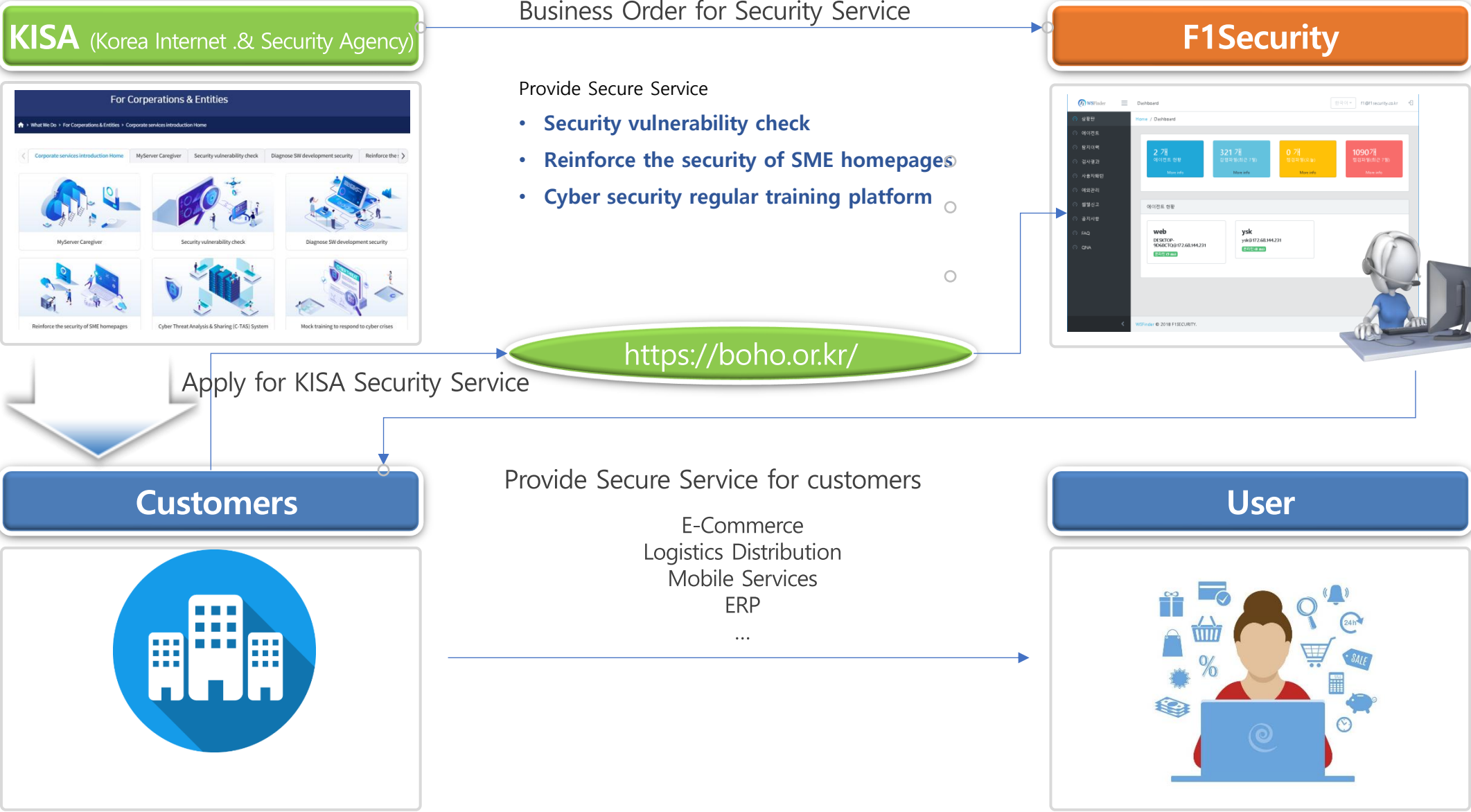




# Business Model & References

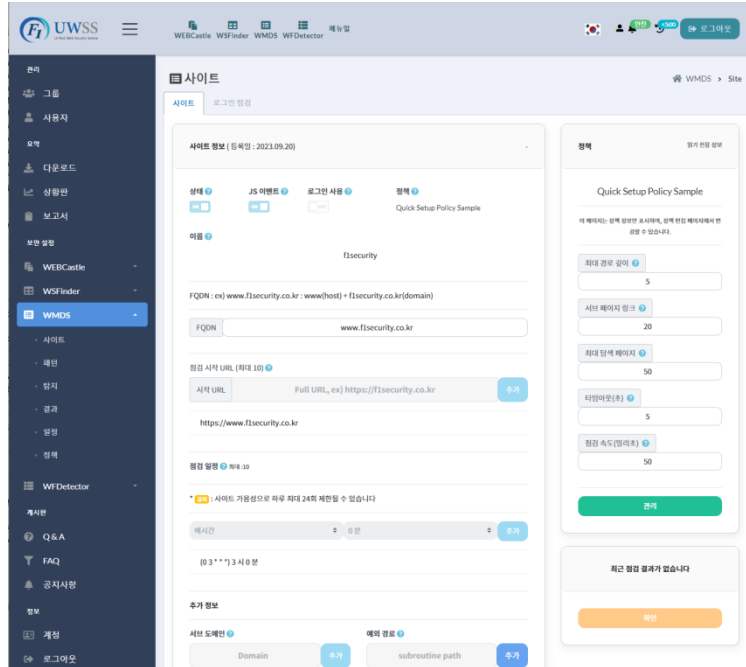






## 1. F1-WMDS

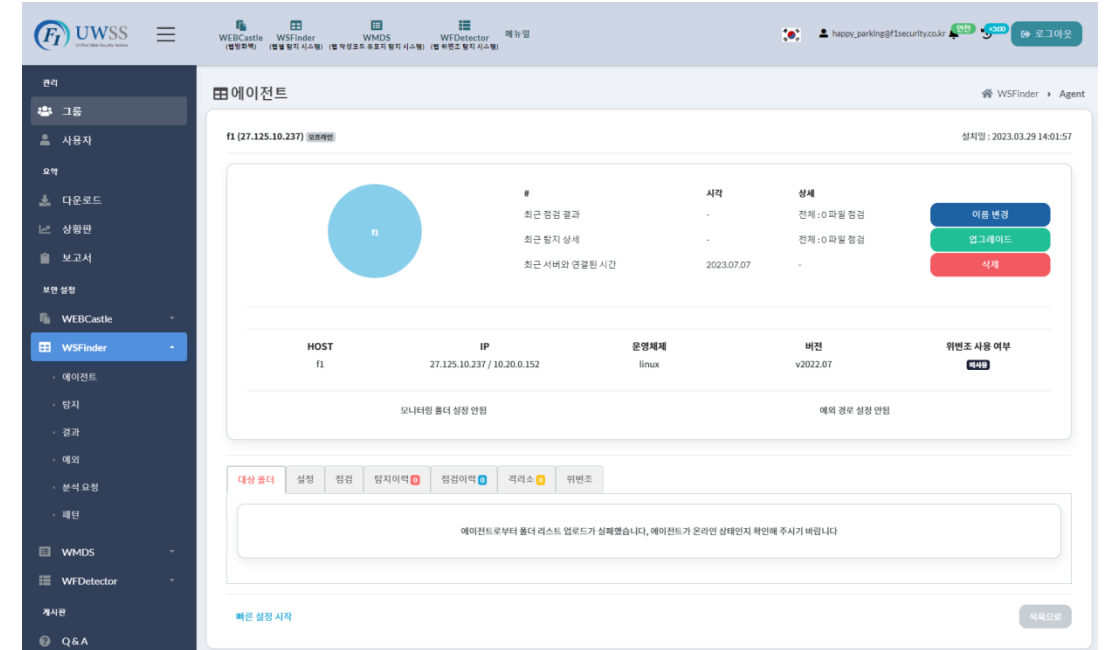
Provide 4 million homepage Malware infection diagnosis



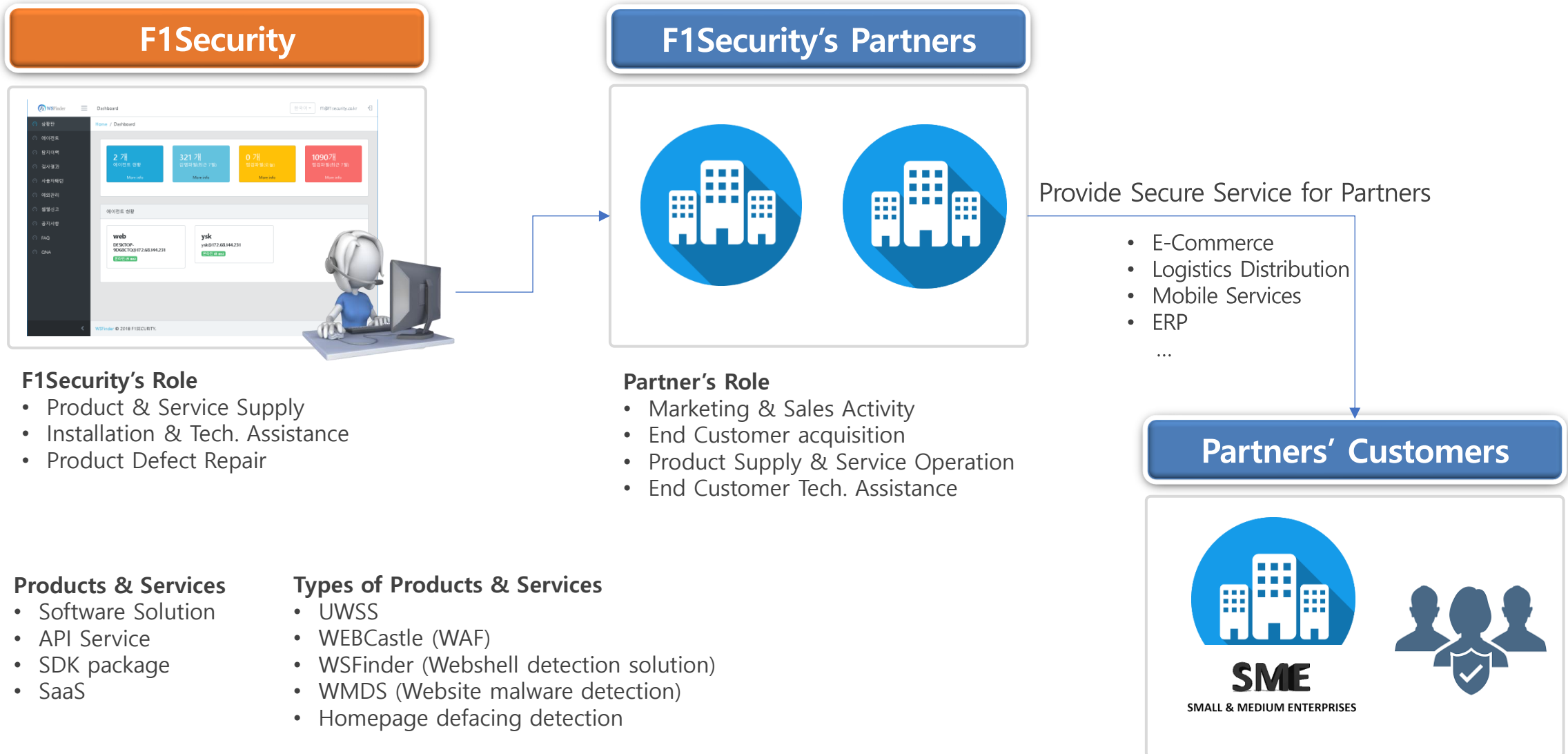
- F1Security has been performing KISA project, covering all 4 million Korean web sites every year since 2017
- They use F1-WMDS to diagnose
- 24 X 365 Monitoring & Analysis

## 2. F1 - WebCastle & WSFinder

Provide web security tool to 5,000 Korean SMEs Annually



- F1Security has been performing KISA project, covering 5,000 Korean companies every year since 2017
- They use F1 Service : Web Firewall(F1-WAF) & Webshell detection (F1-WSFinder)



# Thank You

<http://www.f1security.co.kr>

TEL +82-70-4640-3030 | FAX +82-2-6944-8448 | [sales@f1security.co.kr](mailto:sales@f1security.co.kr)

1402, 234, Beotkkot-ro, Geumcheon-gu, Seoul, Republic of Korea

