F1 Security

Feb. 2020

Web Security Solution

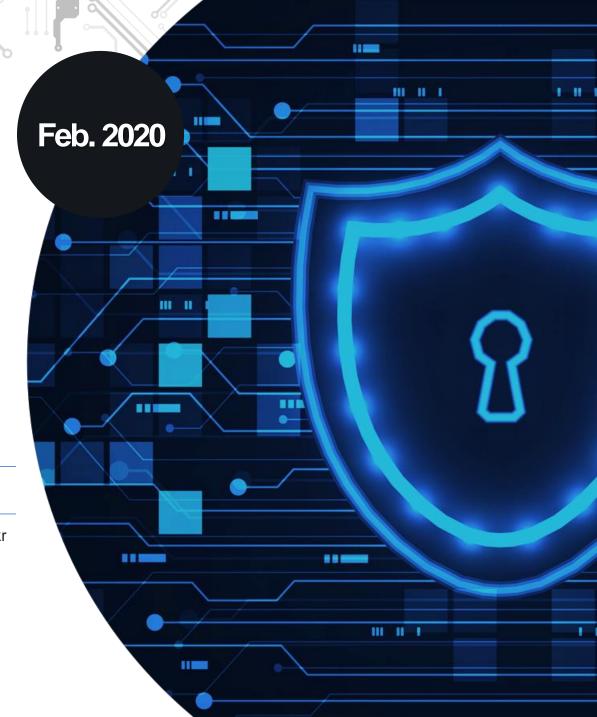# Use Case

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customer use case for web security solutions

T: +82-70-4640-3031   gpartners@f1security.co.kr   www.f1security.co.kr

F1Security has developed four types of solutions for Web security

(1) WebCastle, (2) WSFinder, (3) WMDS, (4) UWSS

(1)(2)(3) are for On-Premise, (4) is for Cloud-based Monthly subscription service
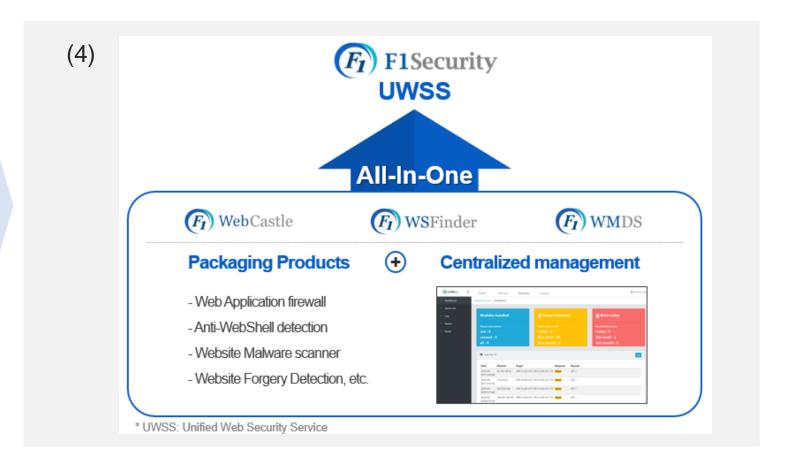
(1) **F1 WebCastle**

(Web Application Firewall)
Detect and prevent web attacks

(2) **F1 WSFinder**

(Anti- Web Shell)
Detect and remove webshell(malware)

(3) **F1 WMDS**

(Websites Malware Scanner)
Detect malicious links that redirect users to download malware

(4)

* UWSS: Unified Web Security Service

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Government, MSSP/CSP/ISP and large corporations use our products

Government
(for public service)

Korea Internet & Security Agency KISA

MSSP/CSP/ISPs
(for their end-users)

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Enterprise
(for group affiliate
/ providers)

CJ

※ SME(Small and Medium Enterprise), MSSP(Managed Security Service Provider), CSP(Cloud Service Provider), ISP(Internet Service Provider)

Use Case #1) Korea Internet & Security Agency

**Government Agency
(For public service)**

(Our Customer)

KISA Korea Internet & Security Agency

(Background)
- Providing national web security services at national level by increasing web hacking threat and spreading malicious code via web
- KISA, a subsidiary of the Korean Ministry of Science and Technology, carries out the following projects every year

(Main Needs)
- A system that can detect more than 4 million websites a day and detect the spread of malware over the Web
- Capability to analyze and support new variants of web malware, Analytical team, Technical support
- Ability to perform vulnerability assessments of over 5,000 websites per year
- Capability of developing our own web security solution such as web firewall and anti web shell system

(Customer Choice)
- KISA selects F1Security Solutions and R & D Center to provide public web security service since 2017

(Customer Benefit)
- Our customer, KISA contracted public service with us as a service project to enhance professionalism and service power
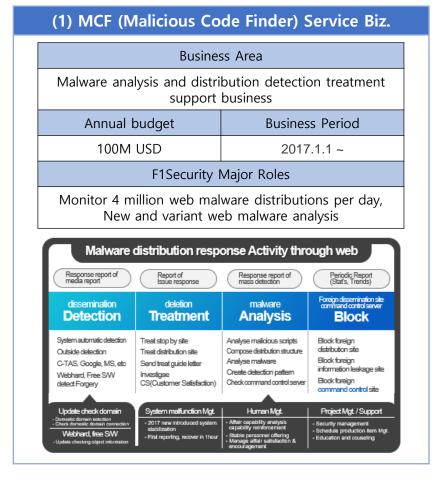
**Government Agency
(For public service)**

(Our Customer)

KISA Korea Internet & Security Agency

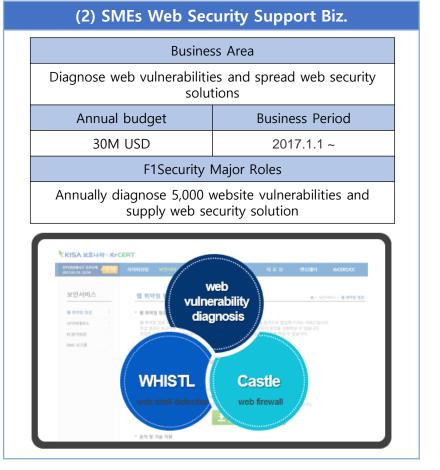## (Business Project)

- KISA has been contracting with the nation's web security service providers through competitive bids every year since 2017
- Two types of public web security services. We have been running for four consecutive years without a single runaway

(1) MCF (Malicious Code Finder) Service Biz.	
Business Area	
Malware analysis and distribution detection treatment support business	
Annual budget	Business Period
100M USD	2017.1.1 ~
F1Security Major Roles	
Monitor 4 million web malware distributions per day, New and variant web malware analysis	

(2) SMEs Web Security Support Biz.	
Business Area	
Diagnose web vulnerabilities and spread web security solutions	
Annual budget	Business Period
30M USD	2017.1.1 ~
F1Security Major Roles	
Annually diagnose 5,000 website vulnerabilities and supply web security solution	

**Web Hosting Inc.
(For their end-users)**

(Our Customer)

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(Background)
- Over 90% of cyber hacking incidents occur through website hacking, More than 90% of hackers who successfully dominate the web server install a backdoor, Webshell
- Over 70% of malware (especially ransomware) is distributed via web sites.

(Main Needs)
- Need an integrated web security solution to detect and block web hacks, detect and delete web shells, and detect web malware distribution
- Both on-premises type that can be built in computer room of end user and type that can be installed to cloud server are required
- Need a solution that has a reasonable price structure rather than a hardware installation type or a virtual appliance type
- Business continuity is required so that the web security service provider's infrastructure failure does not affect access the website of end users

(Customer Choice)
- Choose from our solutions that can be installed on on-premises and cloud servers and are available at a reasonable price because of software type

(Customer Benefit)
- Providing integrated web security services to his large-scaled end customers at an affordable price, improving service quality and enhancing his service competitiveness

**Enterprise
(for group affiliate
/ providers)**

(Our Customer)

(Background)
- The total market size of e-commerce traded online is $ 3,535 trillion in 2019. It has grown more than 20% compared to 2018 and is expected to grow more than 15% in the future
- E-commerce's website, which collects and stores privacy information of end customers directly in the form of B2C, is a good target for hackers

(Main Needs)
- Providing web security services to store companies that have joined the e-commerce open market. If one store in the open market is hacked, it spreads to the entire platform, causing widespread damage
- Providing web security services for open market enterprise stores that are difficult to use their own web security solutions because of low security budget
- Web security solutions should never not interfere with access to e-commerce websites

(Customer Choice)
- Choosing our solution that doesn't interfere with web site access due to downtime of web security service provider's infrastructure

(Customer Benefit)
- Provide Integrated web security services to many small and medium-sized stores in the open market within a limited budget.

F1 Security

Thank you for your cooperation

We can help make you and
your client's website more secure