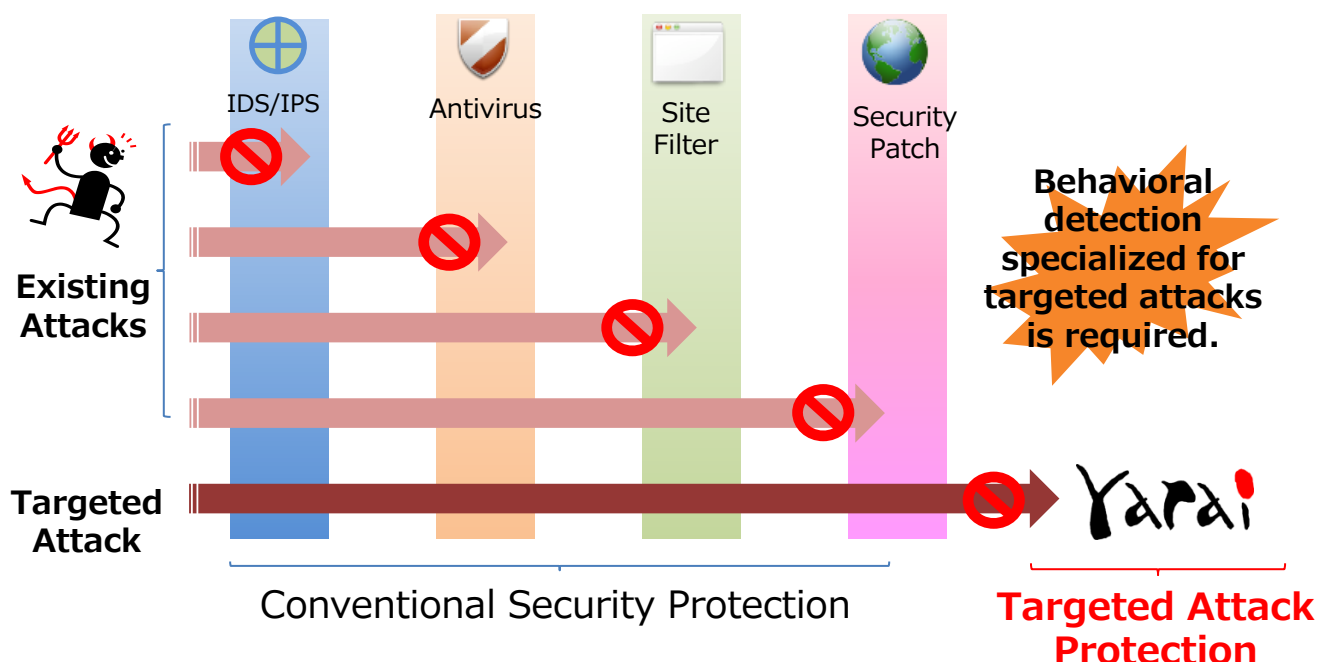




Targeted Attack Protection Software
FFRI yarai

"FFRI yarai" Targeted Attack Protection Software, Developed in Japan

Conventional security protection cannot provide full protection against targeted attacks.



Five Behavioral Detection Engines of FFRI yarai



■ **ZDP Engine**
 Protects against virus attacks that target known and unknown vulnerabilities such as attacks when viewing emails or Web pages. Protects against arbitrary code execution vulnerability attacks by use of our original API-NX technology (Patent No. 4572259).



■ **Static Analysis Engine**
 Analysis performed without program operation. Detection is performed by using N-Static Analysis that incorporates numerous analysis methods including PE Structure Analysis, Linker Analysis, Packer Analysis, and Speculated Operation Analysis.



■ **Sandbox Engine**
 Runs programs on a virtual environment that includes a virtual CPU, virtual memory and virtual Windows subsystems. Detection is based on a combination of commands based on our unique U-Sandbox Detection Logic.



■ **HIPS Engine**
 Monitors the behavior of currently running programs. Our unique D-HIPS Logic detects behavior such as program intrusion, unusual network access, key logger and backdoor access behavior



■ **Machine Learning Engine**
 Monitors running programs based on big data related to malware that has been captured by FFRI. Behavioral characteristics in big data are extracted to detect malicious behavior in computer terminals by using machine learning to analyze such characteristics.

FFRI yarai Uses "Full Behavioral Detection" for Targeted Attack Protection

Five Unique Detection Engines

- ✓ Equipped with five unique detection engines to counter unknown malware without depending on pattern files

Prevent Code Execution Attacks

- ✓ Protection against unknown vulnerability (0-day) attacks
- ✓ Efficient operation with little load on your computer

Next-Generation Security Developed in Japan

- ✓ Technology developed in Japan, with a proven track record at government agencies, manufacturers, and critical infrastructure companies

Protection Range of Existing Security Measures and FFRI yarai

Yes: Supported
 Partial: Partially supported
 No: Not supported

	Antivirus software	IDS/IPS	Patch Management	FFRI yarai
Known Malware	Yes	Partial	No	Yes
Known Vulnerabilities	Partial	Yes	Yes	Yes
Unknown Malware	Partial	Partial	No	Yes
Unknown Vulnerabilities	Partial	No	No	Yes

FFRI yarai

Level	Number of computers	Cost of License (before tax)
A	5 - 99	¥9,000
B	100 - 499	¥8,000
C	500 - 999	¥7,000
D	1,000 - 4,999	¥5,000
E	5,000 - 9,999	¥4,000
F	10,000 or more	¥3,000

- * One license is required for each computer.
- * When using a multiboot or virtual environment, one license is required for each OS.
- * This product uses a subscription license that is renewed each year.
- * The upgrade cost is the same as the license for the first year.

Track Record of FFRI yarai Detection

Occurrence/Report Date	Protection Engine Release Date	Unknown Threat (at the time) and Targeted Attack	Detection Engine
March 2013	January 2013	Malware in cyber attack against South Korea	Sandbox Engine
June 2015	August 2014	"Emdivi" malware targeting the Japan Pension Service	(Not published)
October 2015	June 2015	"SHIFU" banking malware	HIPS Engine
December 2015	June 2015	"TeslaCrypt (vvv virus)" ransomware	Static Analysis Engine
December 2015	July 2015	"URLZone" malware	Sandbox Engine
February 2016	July 2015	"Locky" ransomware	HIPS Engine
March 2016	July 2015	"PETYA" ransomware	Sandbox Engine

The detected unknown malware shown here is a sample of well-known malware that can be published. This was verified by using "FFRI yarai" targeted attack protection software. Malware is detected by each detection engine to confirm that the system can be protected.

For assistance regarding products and service:

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Information about this product is also available on our website:
<http://www.ffri.jp/>

■ FFRI yarai is a registered trademark of FFRI, Inc.

■ The content of this pamphlet is subject to specification and design changes without advance notification.

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