



WEB X-RAY™ - X-ray of web servers

WEB X-RAY™ is a web server content recording and forensic system. The main function of Web X-Ray is just like a video camera, records not the image but the contents of the web servers. Web X-Ray can record the web server activities for a long time with inputs and outputs of the web servers. Also, the recording data are rich enough that are easy to detect hacker's attack.

Numerous companies are compromised by cyber attack. Not only the products/service they are developing affected, but also the data leakage cause a tremendous impact on enterprise survival and risk in lawsuit. Without knowing what were leaked and what happened, company won't be able to deal with react properly to alleviate the situation.

Like the surveillance camera on street, it may not be able to prevent bad people to do bad things; however, it will be able to tell the police to react based on videos that anybody can understand. Such a surveillance system is everywhere nowadays, but what is the surveillance system for our web servers? Web X-Ray is the answer! With Web X-Ray, we know exactly what are the contents the web server transmitted. Are they legitimate? Are they dangerous? Or Are they the confidential data that the hacker stole? Without Web X-Ray, no one can tell. And most importantly, once you fail to record the data, you will never be able to retrieve

it again and digital data won't leave a trace after transmitted to the client.

Current packet recording system won't be able to handle encrypted data such as HTTPS, in house application's encryption or the hacker's encryption which is general in typical hacking events. Web X-Ray can deal with those situations by recording all the data easily and for future decryption of details of activities.

Web Server works 365 days per year 24 hours a day and won't stop service for a second. Not only web server are the best platform for enterprise service but also they are the best platform for hackers to implant malicious contents and steal data from enterprise. Hackers find the vulnerabilities of web servers are as efficient as security researchers. However, security researcher won't be able to test all the web servers online while hackers are able to. And once the vulnerabilities are found, the whole system will be compromised in a minute.

To Reveal the Details of all activities of web servers is crucial to all enterprise as more and more service are based on this. If we don't know what's processing and transmitting in web servers, we face the fear of unknown.

Years of experiences defending hacker attacks, Web X-Ray is the ultimate solution for enterprise to know the unknown.

WEB X-RAY™ Enterprise DataSheet	
Web Server Logs	Web Server Access Logs, including Performance data
	HTTP 200 Content output
	HTTP 200 Content Input and alerts
	Attack Logs
	HTTP 500 Error Logs
	HTTP 500 Details Debugging Information
Auditing	Recording of malicious access and detail information
	Output Content Indexing and searching
Security	Support SSL, HTTP/2 and TLS1.2/TLS1.3 log transmission with AES 256and RSA 2048/4096bit encryption
	Web API protection: protect xml web service API from unauthorized access with more restriction
	Block Access from specific region/IP/site
Performance	Support IPv4 and IPv6
	High speed rule engine
	High speed detection module
	Big Data Query Interface
	Scalability: Distributed Architecture, Easily Scale-Out with servers
Web Attack Detection	HighBit Shell Code detection
	Parent Path detection
	Directory Traversal detection
	Hex Encoding detection
	SQL Injection 、XSS(Cross Site Scripting) 、CSRF(Cross-Site Request Forgery) detection
	Email Alert Message
	WAF defend module
	White List, Start URL, Deny URL
	HTTP Header detection
	Per URL rule support
	Input Pattern Rule
	Limit output size
	URL Scan/Post Scan
Platform	Agent Supported OS: Linux CentOS 7 Apache 2.4, Amazon Linux AMI Apache 2.4 · Ubuntu 20.04 LTS Apache · Windows 2012/2016/2019/2022 x64 · Nginx (1.18 and above) Reverse Proxy Mode: WEB X-RAY™ in Reverse Proxy Mode support all web servers. Log Limit for single server : 5TB, Max Log Size 64TB per database.

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