WebOrion® Cloud (SaaS)

WebOrion® Monitor (Per URL)

	Lite	Advanced	Premium4	Premium5
Content and Integrity Analytic Engines		✓		
Image Analytics Engine	N/A	Pick 1	Pick 2	✓
Javascript Malware Engine (JME)				
Deep Learning NLP Engine				
Polling Interval	5 mins (Gold), 15 mins (Silver), 60 mins (Bronze)			
Notification	Email , SMS and SIEM integration			
Report	Monthly email/PDF reports			
Web Portal	Web portal with live dashboard, configuration management and alert statistics			
Multiple Use Login Accounts	2 free user login accounts; additional account chargeable			

WebOrion® Restorer

	Micro	Small	Medium	Large
Max. Size of Website	100 Webpages	500 Webpages	1000 Webpages	2000 Webpages
Total Replica Storage Size	10 GB	50 GB	200 GB	800 GB
Professional Service	3 man-days per domain			
Replication Schedule	Daily, weekly, or monthly			
Max HTTP(s) Request per Second	250	250	500	1000
Max Data Out Per Month	500GB	1 TB	2 TB	4 TB

Hardware Appliance

Specifications

Form Factor	19" 1RU	19" 2RU	19" 2RU
Power Supply	Dual Redundant 600W	Dual Redundant 800W	Dual Redundant 1400W
Fault Tolerance	Hot-Swappable SSD Hard Drives, Hot-Swappable Power Supplies		
Network Interfaces	4x 1G BaseT Copper	4x 10G BaseT Copper	4x 10G BaseT Copper
Network Interfaces (optional add-on)	4x 1G Fiber SR	4x10G Fiber SR	4x10G Fiber SR
Hard Drives	2x 480GB SSD (RAID1)	2x960GB SSD (RAID1)	4x960GB SSD (RAID5)

WebOrion® Monitor

	WX-1040-MON	WX-5040-MON	WX-9040-MON
Max No. of URLs	100 Gold or equivalent	300 Gold or equivalent	500 Gold or equivalent

WebOrion® Restorer

	WX-1040-RES	WX-5040-RES	WX-9040-RES
Max Size Of Website	100 Webpages	500 Webpages	1000 Webpages
Total Replica Storage Size	240GB	480GB	960GB
Web Server Network Throughput (max)	1 Gbps	5 Gbps	10 Gbps

Cloud Virtual Appliance

WebOrion® Monitor and Restorer on your public cloud

Azure   aws   Google Cloud

WebOrion® is an innovative creation of Cloudsine Pte Ltd

cloudsine

aws PARTNER
- Differentiated Partner
- Marketplace Seller
- Amazon RDS Ready
- Public Sector

SOCOTEC ISO/IEC 27001

SAC Accredited Certification Body IMS-2019-FV

ISOCert Certified

SG CYBER SAFE
Cyber Safe mark

CYBER ESSENTIALS

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Web Security
Threat Detection and Response

- identify
- protect
- govern
- detect
- respond
- recover

WebOrion® Monitor

Threat Detection — Catch defacements, malicious code and other web hacks!

WebOrion® Monitor will provide near real-time alerts in the event of a web defacement. Our high-fidelity approach to monitoring your website, using our powerful and innovative engines, provides you with a high level of assurance and reliability.

COMPREHENSIVE & GRANULAR CAPABILITIES

Configurable engines carefully designed to detect changes due to defacements, malicious code, skimmers, malware, and more.

Unique and Intelligent baseline process automatically differentiates dynamic and static parts of your website, allowing more effective monitoring with minimal false alerts

WebOrion®

Restorer

Threat Response and Recovery— Automate Your Response Playbook!

WebOrion® Restorer will provide the latest version of a Secure Replica of your website – one that removes most of the security vulnerabilities, so that your website cannot be easily hacked again. We give you time and space to conduct investigation, do forensic analysis and perform system recovery while the Secure Replica maintains your public web presence.

UNIQUE RESTORATION METHODOLOGY

Seamless intergration with different technologies,platforms and architectures to achieve automated or 1-click restoration of web presence.

Easily manage Secure Replicas with a user-friendly interface to create, preview and select the replicas for your website.

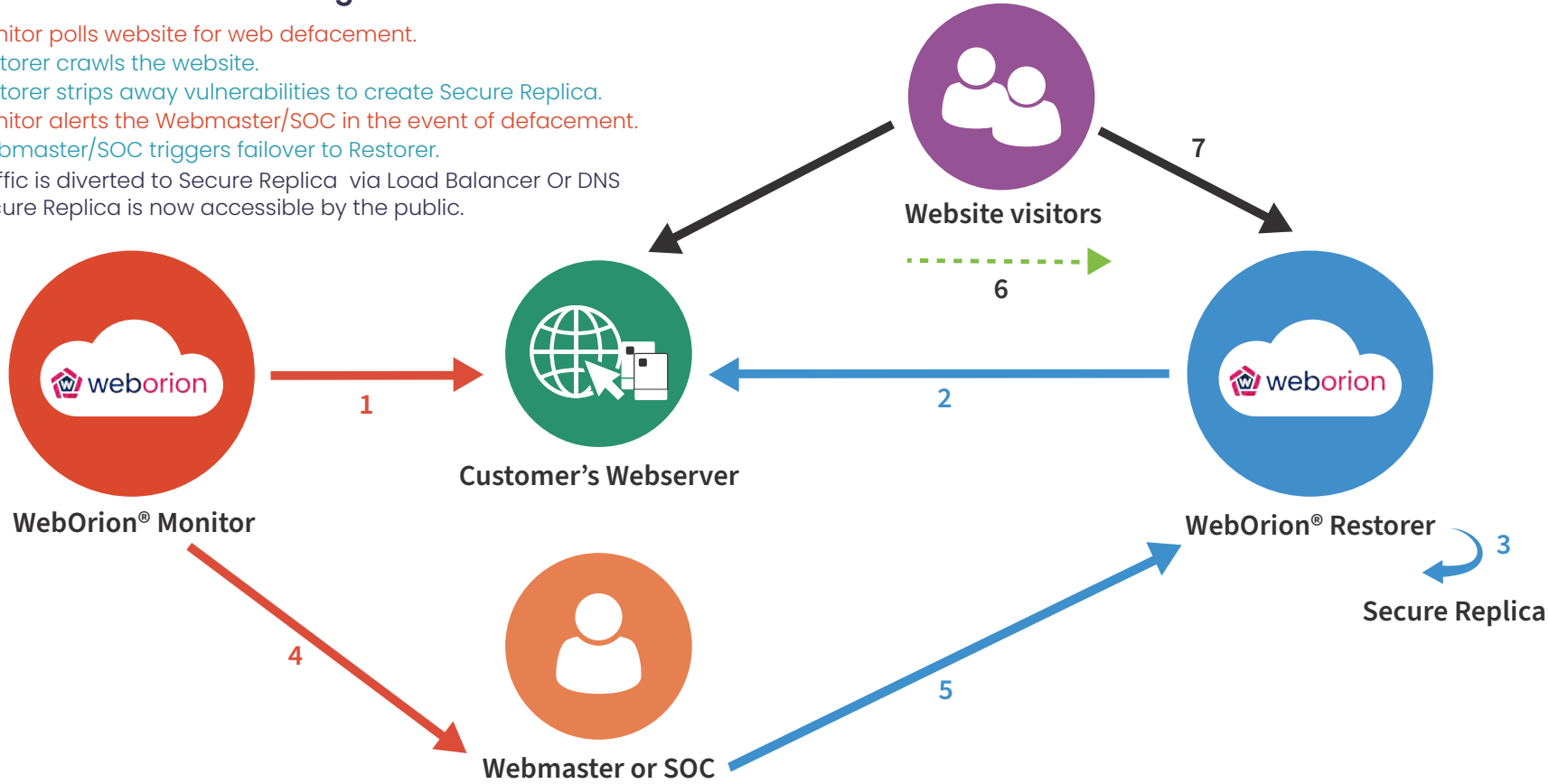**WebOrion® Monitor leverages on our innovative engines to provide powerful and granular monitoring.**

Content Analytics
Analyzes HTML source code (e.g. page title, links and frames) to determine if the webpage has been modified

Advanced Integrity Analytics
Auto-analyses the webpages to identify both internal and third-party javascripts, images and style sheets to check for changes to filenames and contents.

Image Analytics
Allows users to select regions of the webpage for visual analysis using image rendering technique.

Javascript Malware Detection Engine
Checks for well-known card skimming and cryptojacking javascripts which may be invisible to regular website visitors.

SSL/DNS/Whois Change Monitoring
Regularly checks for any changes to the DNS and Whois configurations of the website.

Artificial Intelligence Engine
Runs advanced Natural Language Processing (NLP) models to classify HTML Text contents for defacements.

PATENTED TECHNOLOGY

Proactive 24×7 Remote Monitoring

Platform Independent

Near real-time alerts of Unauthorized Changes

Automated Creation of Secure Replica

Full Control of Replication Process

Reduced Chances of Re-defacement

WebOrion® Cloud Monitoring and Restoration Flow

❶ Monitor polls website for web defacement.
❷ Restorer crawls the website.
❸ Restorer strips away vulnerabilities to create Secure Replica.
❹ Monitor alerts the Webmaster/SOC in the event of defacement.
❺ Webmaster/SOC triggers failover to Restorer.
❻ Traffic is diverted to Secure Replica via Load Balancer Or DNS
❼ Secure Replica is now accessible by the public.

Website visitors

Customer's Webserver

WebOrion® Monitor

WebOrion® Restorer

Secure Replica

Webmaster or SOC

WebOrion® Restorer adopts a 5Cs methodology to ensure a comprehensive and seamless outcome to restore your Website.

Crawl
On day one, it will crawl your website and identify all the pages to be replicated.

Copy
Afert the crawl, it starts a copying process where it replicates all the pages.

Create
It then strips ff the vulnerabilities and creates a secure replica of the original website.

Control
In the event of a defacement, traffic will be redirected to the Restorer with the Secure Replica.

Commission
The Restorer will be commissioned to serve out the replicated webpage.

PATENTED TECHNOLOGY

AGENTLESS ARCHITECTURE

WebOrion® is an agentless solution that can support most types of websites that are accessible on the Internet. The subscriber only needs to login to the WebOrion® Self Service Portal to configure the URLs (webpages) that are to be monitored and restored.

FLEXIBLE CLOUD & ON PREMISE DEPLOYMENT

WebOrion® can be deployed either as a Software-as-a-Service (Saas) or as an on-premise physical appliance in the organisation's data centre. The deployment can also be virtual appliances in both public and private cloud environments.