



# **CRUSOE SURF**

**REMOTE BROWSER ISOLATION  
(RBI)**

*Datasheet*



# CRUSOE SURF - Remote Browser Isolation (RBI)

## *The Freedom of Isolation*

The Internet is today's prime attack vector. Even legitimate websites pose a serious risk as malicious actors can victimize ad-supported websites with newly found vulnerabilities.

### **Browsers are Extremely Vulnerable**

As web browsers race to add more features and capabilities to enable today's rich web applications they inadvertently accumulate more bugs. These bugs are a potential vulnerability which in time can be exploited by harmful actors.

The human factor also plays an important part as end-users mistakenly click innocent-looking links, not knowing they contain malicious content.

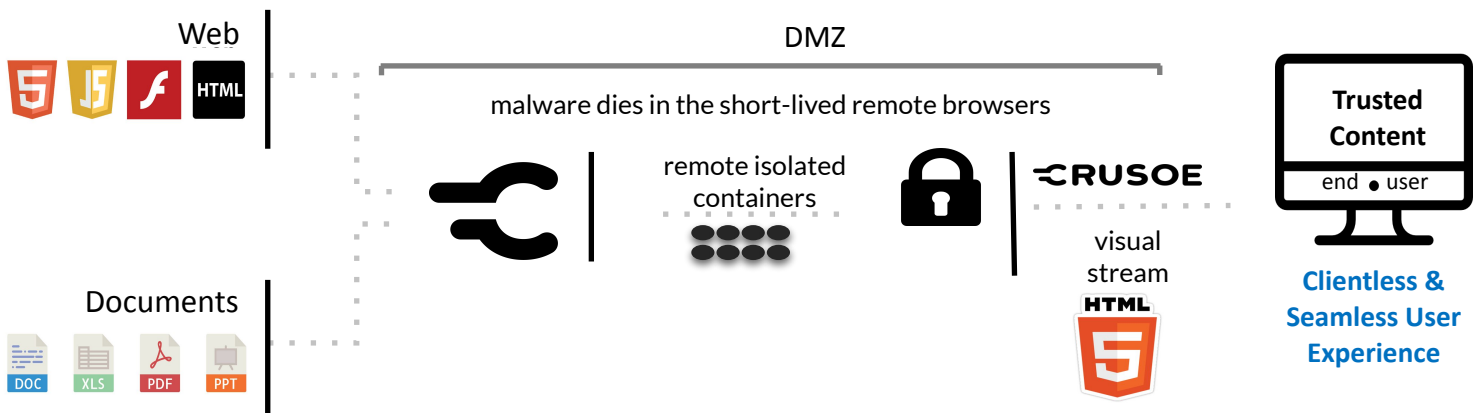
### **Detection and Classification are not Enough**

Traditional solutions such as filtering web gateways, anti-virus and similar technologies are all based on signatures and classifications to help protect workstations, but these are simply not enough to safeguard against 'sleeper cells' and the next 'Zero Day' attack.

## **SOLUTION**

**Crusoe Surf RBI** enables end-users to naturally browse the web while leaving malware, including Zero Day attacks, safely isolated from the internal network and end-user endpoints.

Crusoe Surf RBI protects the organization by moving the actual browsing away from the end-user. This is achieved by spinning remote Crusoe Surf Browser inside disposable short-lived containers isolated remotely in the DMZ or in the cloud.



## **EXAMPLE USE CASES**



Threat Protection



C Level Leadership Protection



User And Data Protection



Work From Home



Compliances And Regulations



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## FEATURES



### **Zero Trust Browsing**

End-users are fully isolated from malware & malicious websites.



### **Complete Isolation (Email Protection)**

Protection against malware and malicious code penetrating via email links.



### **Native-like End-user Experience**

The real browser is isolated in a remote container but the end-user's does not feel the difference.



### **All Modern Web Browser Support**

Supports surfing from all modern web browsers.



### **Completely Clientless Deployment**

Agent-less with no requirement to install any software agent on user end points. Deploy, configure and start using, that's it.



### **Supported on all modern enterprise OS**

No dependencies on end user desktop OSs. Works on all known OSs seamlessly including Windows, MacOS and Linux.



### **The most secure Isolation Protocol in the market**

The architecture provides last mile security, mitigating every possible attack surface.



### **Flexible deployment models (cloud, on-prem, hybrid)**

Seamless deployment with support for every data centre type and cloud provider.



### **Suitable for office employees and also for WFH (work from home)**

Browsers are isolated in remote containers accessible securely from anywhere.



### **Seamlessly integrates with existing security tools & protocols**

Easy integration with an enterprise's network architecture, antivirus, CDR tools etc.



### **Ability to fully integrate with the organization AD (active directory)**

Plugs in with and organisations existing AD with seamless user onboarding.



### **High Availability for all components and scalable for high load and burst scenarios**

Highly available and scalable design with seamless support for high load scenarios.



### **An extremely advanced Policy Engine**

A powerful policy engine with advanced facilities to micro-manage user policies.



### **An intuitive Rule Editor (for conditions & policies)**

An advanced rule editor and engine to build complex conditions for policy management.



### **Customizable rule definition**

Provision to add customised policy rules as per the organisation's requirements.



### **Integrated with leading File Sanitization (CDR) solutions**

Integrations to securely download fully sanitised files onto local machines.



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## FEATURES



### **URL Filtering Risk Assessment**

In-built risk assessment of URLs against which policies can be defined.



### **URL Categorization**

Out-of-the-box URL classification and categorisation module for appropriate policy definition.



### **Intuitive and powerful administrator console**

A user friendly yet advanced and powerful management console for admins.



### **Granular control over all end-user actions (copy/paste,download/upload, print etc.)**

Policies allow micro-management of user actions in a session or on website.



### **Seamless user data (cookies, JS storage, etc) persistence across pool servers**

User data is securely stored and allows the isolated browser to 'remember' the user for a native-like seamless experience.



### **Seamless downloads & uploads (policy controlled)**

As end-users are fully isolated from malwares & malicious code.



### **Smart tab hibernation**

Optimal and cost effective CPU and memory usage with idle tabs hibernated and resumed across sessions and users.



### **Policy & User controllable Ad-blocking on the remote browser**

In-built and admin controlled ad blocker service.



### **Kerberos authentication, multiple domain support**

Supports Kerberos authentication on multiple Active Directory domains.



### **System Health monitoring**

Real-time health and load monitoring of isolation server instances and sessions.



### **Cost effective HW resources & optimization**

Optimal use of HW instances with 1 instance running many browser instances seamlessly.



### **Constantly updated with all recent security updates**

Regular feature updates and patches with negligible downtime for upgrades.



### **Recurrent enhancements of new features**

Feature development roadmap planned months ahead with new feature additions made available on upgrades.



### **Flexible reasonable and affordable licensing schemes**

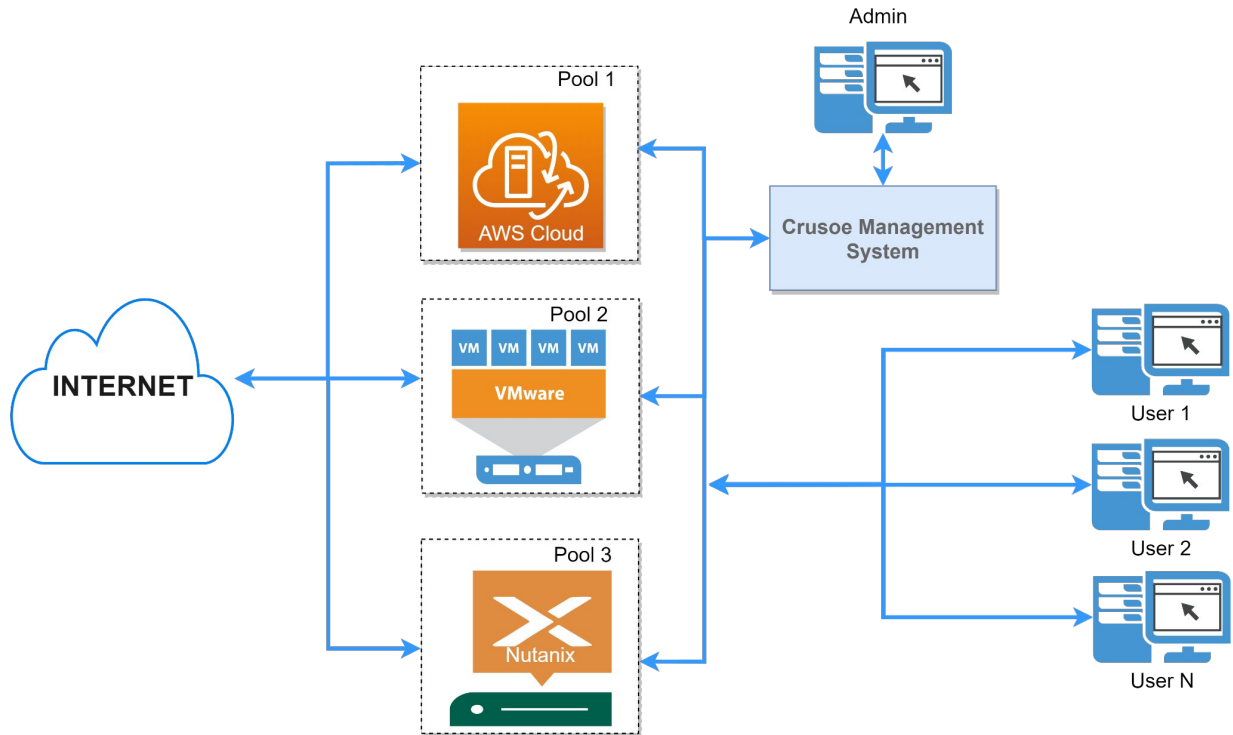
Talk to us for tailor-made and cost effective licensing plans as per your need.

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## DEPLOYMENT OPTIONS

Crusoe Surf supports flexible deployment options, using an independent Pool System and centralised (if required) management system and authentication servers.



Each Crusoe Pool has everything needed to serve users, ideally the Crusoe Pools should be deployed close to the users, in terms of network latency.

The organisation can deploy as many Crusoe Pools as required (for DR purposes, user regions, etc) either on-premises (VMware, Hyper-V, Nutanix, etc) or any cloud infrastructure provider (AWS, Azure, GCP, etc).

All Crusoe Pools can be then managed from a centralised Crusoe Management System (CMS) or have their own instance of the CMS for independent management.

A separate authentication server can be optionally deployed independently as a member server of the customer's Active Directory in order to provide seamless Kerberos based single-sign-on to all users of all Crusoe Pools.

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## ABOUT CYBERGUARD

Cyberguard is a next generation software company, based in India, developing and distributing innovative cyber security products and solutions. Cyberguard's vision is to create tailor-made, cost effective and quick to market solutions, as well as deliver trusted and highly efficient services and support.

We are building a suite of multi-domain and multi-technology solutions and components on a wide range of modern technologies, with high efficiency and minimal cost and provide continued services and support.



## ABOUT CRUSOE SECURITY

Crusoe Security is a cyber security startup based in Israel. It has been a trusted cyber security partner of many enterprises since 2012 and has been assimilated in various industries such as financial, government, services and Industrial.

Crusoe Surf is a modern and advanced Remote Browser Isolation solution and since its launch has been gaining traction and acceptance as an innovative and pragmatic approach to protect organizations from the primary attack vectors.

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