

## Gartner



Here's what the analysts say:

In the early days of the Internet boom, organizations were driven to implement URL filtering solutions for three reasons: to protect themselves from legal liability, to safeguard bandwidth and to mitigate a loss of productivity from employees. In 2005, security jumped to the top of this list. Organizations increasingly use URL filtering as a first line of defense, by blocking access to Web sites that spread spyware and other forms of malware. This trend shows no sign of abating, and it is rapidly driving small and midsize businesses (SMBs) to adopt URL filtering as a must-have solution. Indeed, URL filtering is but one of a few perimeter-based security technologies for protecting against malicious Internet content...

By [Lawrence Orans, Arabella Hallawell](#) – [Source](#)



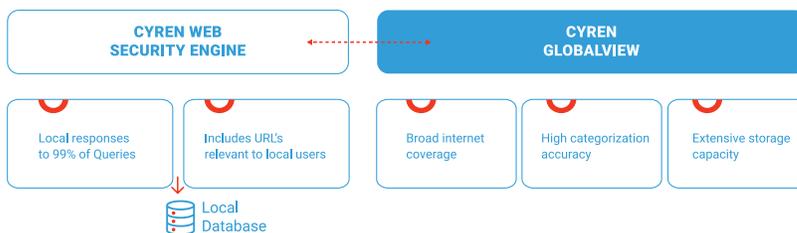
## Data443's position on Web Security Engine capabilities

Data 443's Cyren Web Security Engine stands at the forefront of modern web security, epitomizing the shift towards dynamic, predictive, and highly accurate web protection mechanisms. In an era where the Internet's vast expanse is both a tool and a threat, our unique approach to URL filtering and classification ensures unparalleled security.

Leveraging the power of predictive detection and zero-hour capabilities, we preemptively recognize and neutralize harmful sites before they can impact users. Our technology is underpinned by a robust global security cloud, enabling us to offer real-time, precise URL classification, ensuring both the safety and productivity of our clients.

With our Web Security Engine, businesses enjoy a secure web experience, fortified against the ever-evolving landscape of web-borne threats, aligning perfectly with the increasing importance of web security in today's digital age as outlined by industry experts.

This innovative approach not only safeguards against legal liabilities and bandwidth issues but also enhances productivity by mitigating the loss associated with navigating malicious online content, thus resonating with the evolving security priorities of organizations worldwide.



## Features and Modules

The features of Data443's Cyren Web Security Engine are:

- › **Web Coverage:** Comprehensive coverage of the web to ensure accurate classification of websites.
- › **Real-Time Security:** Protection against web threats in real-time, including malware, phishing, and malicious bots.
- › **Cloud Architecture:** Utilizes a cloud architecture for fast response times and precise classification.
- › **Dynamic Classification:** Adapts to user browsing habits for scalable and accurate classification.
- › **Global Data:** Gathers data from billions of transactions daily for global coverage.
- › **Centralized Database:** Maintains a database holding all URL classifications for easy access.
- › **Local Cache:** Resolves over 99% of queries locally to minimize latency.
- › **Continuous Tracking:** Tracks websites continuously for accurate classification.
- › **Predictive Detection:** Recognizes harmful sites before users are exposed to them.
- › **Zero-Hour Security:** Detects and mitigates security threats rapidly.
- › **Security Alliance:** Collaborates with partners to augment security data for accuracy.
- › **Internet Coverage:** Offers broad internet coverage, including language and content-agnostic classification.
- › **Local Responses:** Provides local responses to minimize latency.
- › **Self-Learning Caches:** Adapts to local conditions for accurate classification.
- › **Complementary Data:** Augments data with additional sources for broader coverage.
- › **Up-to-Date Data:** Maintains 'up-to-the-minute' data on relevant URLs for freshness.
- › **Compatibility:** Compatible with various platforms and protocols.
- › **Application Support:** Enables various security and productivity applications for partners and users.



### Main Campus

4000 Sancar Way, Suite 400  
Research Triangle, NC 27709

### Data443

Website: [www.data443.com](http://www.data443.com)  
Email: [info@data443.com](mailto:info@data443.com)

### Call

US: +1 919 526 1070  
UK: +44 203 7693 700

## GAP Analysis

	Data443 Risk Mitigation Inc.	NetSTAR
<b>Data and Analytics</b>		
Complementary Data	Yes	No
Customizable Categories	No	Yes
Global Language Support	Yes	Yes
Subscriber Analytics	No	No
Global Data	Yes	Yes
Centralized Database	Yes	Yes
Local Cache	Yes	Yes
Continuous Tracking	Yes	No
Up-to-Date Data	Yes	No
Self-Learning Caches	Yes	No
<b>Security and Protection</b>		
Real-Time Security	Yes	No
Dynamic Classification	Yes	Yes
Predictive Detection	Yes	No
Zero-Hour Security	Yes	No
SSL Categorization	Yes	Yes
Brand Protection	No	No
Protocol Compatibility	Yes	Yes
<b>Technology and Integration</b>		
API Integration	Yes	Yes
Machine Learning	No	No
Scalable AI Technology	Yes	No
Context Awareness	No	Yes
<b>Inspection and Monitoring</b>		
Web Coverage	Yes	Yes
Internet Coverage	Yes	Yes
Granular Content Inspection	No	Yes
Social Media Link Scraper	No	No
Text/SMS/Chat Monitoring	No	No
Parked Domains Detection	No	No
<b>Access and Subscription</b>		
Free Trial	Yes	Yes
Demo	Yes	No
Quotation-based	Yes	Yes
Subscription-based	Yes	No
<b>Custom Support</b>		
Local Responses	Yes	No
User Identity-based Policies	No	No
Industry-specific Solutions	Yes	No
Cloud Architecture	Yes	Yes
Security Alliance	Yes	No
Applications Support	Yes	Yes
Logo Extraction	No	No
Competitor Identification	No	No

## Company Overview

NetSTAR provides website categorization technology and intelligence services, working with a network of OEM partners. It collaborates with a number of partners worldwide and handles data from a significant number of endpoints or clients, leveraging its technical capabilities and knowledge to offer support.

## Integrations

The integrations of NetSTAR inCompass® are:

- › Cisco Umbrella
- › Symantec Web Security Service
- › Barracuda Web Security Gateway
- › Verizon Wireless
- › AT&T Mobility
- › T-Mobile
- › Amazon Web Services (AWS)
- › Microsoft Azure
- › Google Cloud Platform (GCP)
- › Google Ad Manager
- › The Trade Desk
- › MediaMath
- › CrowdStrike Falcon
- › Carbon Black
- › Sophos Intercept X
- › Palo Alto Networks Next-Generation Firewall
- › Fortinet FortiGate
- › Others

## Supported Systems

NetSTAR inCompass® supports some of the systems such as:

- › Operating Systems ( Windows, macOS, Linux)
- › Browsers (Chrome, Firefox, Safari, Edge)
- › Mobile Platforms (iOS, Android)
- › Web Servers (Apache, Nginx)
- › Cloud Platforms (AWS, Azure, Google Cloud Platform)



### Main Campus

4000 Sancar Way, Suite 400  
Research Triangle, NC 27709

### Data443

Website: [www.data443.com](http://www.data443.com)  
Email: [info@data443.com](mailto:info@data443.com)

### Call

US: +1 919 526 1070  
UK: +44 203 7693 700

## GAP Analysis

	Data443 Risk Mitigation Inc.	Klazify
<b>Data and Analytics</b>		
Complementary Data	Yes	No
Customizable Categories	No	Yes
Global Language Support	Yes	Yes
Subscriber Analytics	No	No
Global Data	Yes	No
Centralized Database	Yes	No
Local Cache	Yes	No
Continuous Tracking	Yes	No
Up-to-Date Data	Yes	Yes
Self-Learning Caches	Yes	No
<b>Security and Protection</b>		
Real-Time Security	Yes	Yes
Dynamic Classification	Yes	Yes
Predictive Detection	Yes	No
Zero-Hour Security	Yes	No
SSL Categorization	Yes	No
Brand Protection	No	No
Protocol Compatibility	Yes	Yes
<b>Technology and Integration</b>		
API Integration	Yes	Yes
Machine Learning	No	Yes
Scalable AI Technology	Yes	No
Context Awareness	No	No
<b>Inspection and Monitoring</b>		
Web Coverage	Yes	Yes
Internet Coverage	Yes	Yes
Granular Content Inspection	No	No
Social Media Link Scraper	No	Yes
Text/SMS/Chat Monitoring	No	No
Parked Domains Detection	No	Yes
<b>Access and Subscription</b>		
Free Trial	Yes	No
Demo	Yes	No
Quotation-based	Yes	No
Subscription-based	Yes	Yes
<b>Custom Support</b>		
Local Responses	Yes	No
User Identity-based Policies	No	No
Industry-specific Solutions	Yes	No
Cloud Architecture	Yes	Yes
Security Alliance	Yes	No
Applications Support	Yes	Yes
Logo Extraction	No	Yes
Competitor Identification	No	Yes

## Company Overview

Klazify is an all-in-one domain data source, offering website logos, company data, categorization, and more from a URL or email. Additionally, Klazify provides developers with a platform to discover, connect, and manage APIs, enabling the development of innovative software applications. With its user-friendly tools and public hub for API discovery and consumption, Klazify empowers developers to create groundbreaking solutions with ease.

## Integrations

**The integrations of Klazify Content Classification API are:**

- › MySQL
- › Slack
- › Postgres
- › Notion
- › Gmail
- › Airtable
- › Google Drive
- › GitHub
- › MongoDB
- › Microsoft SQL
- › OpenWeather
- › HubSpot
- › X (Formerly Twitter)
- › Mautic
- › AWS S3
- › Pipedrive
- › Others

## Supported Systems

**Klazify Content Classification API supports some of the systems such as:**

- › Browsers
- › Platforms
- › Applications
- › Cloud Services



### Main Campus

4000 Sancar Way, Suite 400  
 Research Triangle, NC 27709

### Data443

Website: [www.data443.com](http://www.data443.com)  
 Email: [info@data443.com](mailto:info@data443.com)

### Call

US: +1 919 526 1070  
 UK: +44 203 7693 700

## GAP Analysis

	Data443 Risk Mitigation Inc.	Zvelo
<b>Data and Analytics</b>		
Complementary Data	Yes	No
Customizable Categories	No	Yes
Global Language Support	Yes	Yes
Subscriber Analytics	No	Yes
Global Data	Yes	Yes
Centralized Database	Yes	No
Local Cache	Yes	No
Continuous Tracking	Yes	Yes
Up-to-Date Data	Yes	Yes
Self-Learning Caches	Yes	No
<b>Security and Protection</b>		
Real-Time Security	Yes	Yes
Dynamic Classification	Yes	Yes
Predictive Detection	Yes	No
Zero-Hour Security	Yes	No
SSL Categorization	Yes	No
Brand Protection	No	No
Protocol Compatibility	Yes	Yes
<b>Technology and Integration</b>		
API Integration	Yes	Yes
Machine Learning	No	No
Scalable AI Technology	Yes	No
Context Awareness	No	Yes
<b>Inspection and Monitoring</b>		
Web Coverage	Yes	Yes
Internet Coverage	Yes	Yes
Granular Content Inspection	No	Yes
Social Media Link Scraper	No	No
Text/SMS/Chat Monitoring	No	Yes
Parked Domains Detection	No	No
<b>Access and Subscription</b>		
Free Trial	Yes	No
Demo	Yes	No
Quotation-based	Yes	Yes
Subscription-based	Yes	No
<b>Custom Support</b>		
Local Responses	Yes	No
User Identity-based Policies	No	No
Industry-specific Solutions	Yes	No
Cloud Architecture	Yes	Yes
Security Alliance	Yes	No
Applications Support	Yes	Yes
Logo Extraction	No	No
Competitor Identification	No	No

## Company Overview

Zvelo, Inc. offers services in website content categorization and context analysis, as well as identifying malicious activities and botnets. The company concentrates on areas such as web filtering, ensuring brand safety, enhancing semantic and contextual targeting, evaluating traffic quality, and preventing ad fraud. Zvelo caters to a variety of customers, including providers of network security, mobile services, and subscriber analytics solutions.

## Integrations

The integrations of Zvelo are:

- › OpenDNS
- › Norton Family
- › Net Nanny
- › Symantec Endpoint Protection
- › McAfee Endpoint Security
- › CrowdStrike Falcon
- › Cisco Umbrella
- › Infoblox DNS Firewall
- › BlueCat DNS Edge
- › Proofpoint
- › Mimecast
- › DoubleVerify
- › Integral Ad Science (IAS)
- › Grapeshot (Oracle Data Cloud)
- › Google Analytics
- › Adobe Analytics
- › Mixpanel
- › Recorded Future
- › ThreatConnect
- › Anomali
- › Others

## Supported Systems

Zvelo supports some of the systems such as:

- › Operating Systems
- › Browsers
- › Platforms
- › Programming Languages
- › Cloud Services



### Main Campus

4000 Sancar Way, Suite 400  
Research Triangle, NC 27709

### Data443

Website: [www.data443.com](http://www.data443.com)  
Email: [info@data443.com](mailto:info@data443.com)

### Call

US: +1 919 526 1070  
UK: +44 203 7693 700

## GAP Analysis

	Data443 Risk Mitigation Inc.	URL Classification
<b>Data and Analytics</b>		
Complementary Data	Yes	No
Customizable Categories	No	Yes
Global Language Support	Yes	Yes
Subscriber Analytics	No	No
Global Data	Yes	Yes
Centralized Database	Yes	Yes
Local Cache	Yes	No
Continuous Tracking	Yes	Yes
Up-to-Date Data	Yes	No
Self-Learning Caches	Yes	No
<b>Security and Protection</b>		
Real-Time Security	Yes	Yes
Dynamic Classification	Yes	Yes
Predictive Detection	Yes	No
Zero-Hour Security	Yes	No
SSL Categorization	Yes	Yes
Brand Protection	No	Yes
Protocol Compatibility	Yes	Yes
<b>Technology and Integration</b>		
API Integration	Yes	Yes
Machine Learning	No	No
Scalable AI Technology	Yes	No
Context Awareness	No	Yes
<b>Inspection and Monitoring</b>		
Web Coverage	Yes	Yes
Internet Coverage	Yes	Yes
Granular Content Inspection	No	Yes
Social Media Link Scraper	No	No
Text/SMS/Chat Monitoring	No	No
Parked Domains Detection	No	No
<b>Access and Subscription</b>		
Free Trial	Yes	Yes
Demo	Yes	No
Quotation-based	Yes	No
Subscription-based	Yes	Yes
<b>Custom Support</b>		
Local Responses	Yes	No
User Identity-based Policies	No	No
Industry-specific Solutions	Yes	Yes
Cloud Architecture	Yes	Yes
Security Alliance	Yes	No
Applications Support	Yes	Yes
Logo Extraction	No	No
Competitor Identification	No	No

## Company Overview

URL Classification provides web categorization services, with a database encompassing a significant number of domains and extensive URL categorization to support real-time bidding processes. The service is continually updated, adding thousands of new domains each day and automatically categorizing new websites to maintain current and precise categorization. With a wide range of categories available, URL Classification meets the needs of various clients, from emerging businesses to established corporations, by offering easy-to-integrate services. These services facilitate URL filtering, parental controls, segmentation, ensuring brand safety, supporting programmatic real-time bidding, and web filtering effectively.

## Integrations

The integrations of URL Classification API are:

- › SafeGuard
- › Net Nanny
- › Comcast
- › AT&T
- › Linksys
- › Netgear
- › Symantec Endpoint Protection
- › McAfee Endpoint Security
- › Google Ads
- › Facebook Ads
- › Cisco Umbrella
- › Norton Family
- › OpenDNS
- › Barracuda Networks
- › Trend Micro
- › Palo Alto Networks
- › Others

## Supported Systems

URL Classification API supports some of the systems such as:

- › Web Browsers
- › Operating Systems
- › Email Security Gateways
- › Web Application Firewalls (WAF)
- › Cloud Services



### Main Campus

4000 Sancar Way, Suite 400  
 Research Triangle, NC 27709

### Data443

Website: [www.data443.com](http://www.data443.com)  
 Email: [info@data443.com](mailto:info@data443.com)

### Call

US: +1 919 526 1070  
 UK: +44 203 7693 700

## GAP Analysis

	Data443 Risk Mitigation Inc.	Sophos
<b>Data and Analytics</b>		
Complementary Data	Yes	Yes
Customizable Categories	No	Yes
Global Language Support	Yes	No
Subscriber Analytics	No	No
Global Data	Yes	No
Centralized Database	Yes	Yes
Local Cache	Yes	No
Continuous Tracking	Yes	Yes
Up-to-Date Data	Yes	No
Self-Learning Caches	Yes	No
<b>Security and Protection</b>		
Real-Time Security	Yes	Yes
Dynamic Classification	Yes	No
Predictive Detection	Yes	Yes
Zero-Hour Security	Yes	Yes
SSL Categorization	Yes	Yes
Brand Protection	No	No
Protocol Compatibility	Yes	Yes
<b>Technology and Integration</b>		
API Integration	Yes	Yes
Machine Learning	No	Yes
Scalable AI Technology	Yes	Yes
Context Awareness	No	No
<b>Inspection and Monitoring</b>		
Web Coverage	Yes	Yes
Internet Coverage	Yes	Yes
Granular Content Inspection	No	Yes
Social Media Link Scraper	No	No
Text/SMS/Chat Monitoring	No	No
Parked Domains Detection	No	No
<b>Access and Subscription</b>		
Free Trial	Yes	Yes
Demo	Yes	No
Quotation-based	Yes	Yes
Subscription-based	Yes	No
<b>Custom Support</b>		
Local Responses	Yes	No
User Identity-based Policies	No	Yes
Industry-specific Solutions	Yes	No
Cloud Architecture	Yes	Yes
Security Alliance	Yes	No
Applications Support	Yes	Yes
Logo Extraction	No	No
Competitor Identification	No	No

## Company Overview

Sophos Group plc is a UK-based cybersecurity firm that provides security solutions across user, network, and endpoint levels globally. The company emphasizes the use of threat intelligence, AI, and machine learning in its offerings, aiming to safeguard against various online threats such as ransomware, malware, and phishing. Its main product, Sophos Central, is a cloud-managed console offering centralized oversight and control, complemented by open APIs to facilitate integration. Sophos's range covers endpoint, network, email, and mobile security, as well as unified threat management.

## Integrations

**The integrations of Sophos are:**

- › Secure Internet Access (SIA)
- › AWS
- › Trivy
- › Auvik
- › CylanceOPTICS
- › BrightGauge
- › VMware
- › CIS CAT Pro
- › Cigent
- › Cloudflare Magic WAN
- › Conjur
- › GitLab
- › Google Cloud CLI
- › Liongard
- › Microsoft 365 audit logs
- › Mimecast
- › Okta
- › Others

## Supported Systems

**Sophos Firewall supports some of the systems such as:**

- › On-premises deployments
- › Cloud-based deployments
- › Container environments
- › Integration with third-party security solutions via API



### Main Campus

4000 Sancar Way, Suite 400  
 Research Triangle, NC 27709

### Data443

Website: [www.data443.com](http://www.data443.com)  
 Email: [info@data443.com](mailto:info@data443.com)

### Call

US: +1 919 526 1070  
 UK: +44 203 7693 700

## GAP Analysis

	Data443 Risk Mitigation Inc.	Alpha Quantum
<b>Data and Analytics</b>		
Complementary Data	Yes	No
Customizable Categories	No	Yes
Global Language Support	Yes	Yes
Subscriber Analytics	No	Yes
Global Data	Yes	No
Centralized Database	Yes	Yes
Local Cache	Yes	No
Continuous Tracking	Yes	No
Up-to-Date Data	Yes	Yes
Self-Learning Caches	Yes	No
<b>Security and Protection</b>		
Real-Time Security	Yes	Yes
Dynamic Classification	Yes	No
Predictive Detection	Yes	No
Zero-Hour Security	Yes	No
SSL Categorization	Yes	Yes
Brand Protection	No	Yes
Protocol Compatibility	Yes	Yes
<b>Technology and Integration</b>		
API Integration	Yes	Yes
Machine Learning	No	Yes
Scalable AI Technology	Yes	No
Context Awareness	No	No
<b>Inspection and Monitoring</b>		
Web Coverage	Yes	Yes
Internet Coverage	Yes	Yes
Granular Content Inspection	No	No
Social Media Link Scraper	No	No
Text/SMS/Chat Monitoring	No	No
Parked Domains Detection	No	No
<b>Access and Subscription</b>		
Free Trial	Yes	No
Demo	Yes	Yes
Quotation-based	Yes	Yes
Subscription-based	Yes	Yes
<b>Custom Support</b>		
Local Responses	Yes	No
User Identity-based Policies	No	No
Industry-specific Solutions	Yes	Yes
Cloud Architecture	Yes	Yes
Security Alliance	Yes	No
Applications Support	Yes	Yes
Logo Extraction	No	No
Competitor Identification	No	No

## Company Overview

Alpha Quantum delivers products in AI, Natural Language Processing, and Machine Learning, including an AI Content Classification API based on the IAB standard. They also provide an Offline Categorization Database for clients preferring local data hosting. With capability in over 100 languages and the option for tailored categories, Alpha Quantum meets the needs of various industries, such as cybersecurity and brand protection, by offering adaptable solutions.

## Integrations

The integrations of Alpha Quantum are:

- › Digital products
- › Advertising targeting
- › AdTech
- › Data mining
- › Workplace productivity
- › SaaS applications/platforms
- › Parental control
- › Cybersecurity
- › Web filtering
- › Search engine optimization
- › Website categorization
- › Brand protection
- › Legal compliance
- › Marketing research
- › Content moderation

## Supported Systems

Website Categorization API supports some of the systems such as:

- › Web browsers
- › AdTech platforms
- › Data analytics platforms
- › Applications
- › Content Management Systems



### Main Campus

4000 Sancar Way, Suite 400  
Research Triangle, NC 27709

### Data443

Website: [www.data443.com](http://www.data443.com)  
Email: [info@data443.com](mailto:info@data443.com)

### Call

US: +1 919 526 1070  
UK: +44 203 7693 700

GAP Analysis Risk Mitigation Inc.	Data443	NetSTAR	Klazify	Zvelo	URL Classification	Sophos	Alpha Quantum
	<b>Data and Analytics</b>						
	Complementary Data	Yes	No	No	No	No	No
	Customizable Categories	No	Yes	Yes	Yes	Yes	Yes
	Global Language Support	Yes	Yes	Yes	Yes	Yes	Yes
	Subscriber Analytics	No	No	No	Yes	No	Yes
	Global Data	Yes	Yes	No	Yes	No	No
	Centralized Database	Yes	Yes	No	No	Yes	Yes
	Local Cache	Yes	Yes	No	No	No	No
	Continuous Tracking	Yes	No	No	Yes	Yes	No
Up-to-Date Data	Yes	No	Yes	Yes	No	Yes	
Self-Learning Caches	Yes	No	No	No	No	No	
<b>Security and Protection</b>							
Real-Time Security	Yes	No	Yes	Yes	Yes	Yes	
Dynamic Classification	Yes	Yes	Yes	Yes	Yes	No	
Predictive Detection	Yes	No	No	No	No	No	
Zero-Hour Security	Yes	No	No	No	No	No	
SSL Categorization	Yes	Yes	No	No	Yes	Yes	
Brand Protection	No	No	No	No	Yes	Yes	
Protocol Compatibility	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Technology and Integration</b>							
API Integration	Yes	Yes	Yes	Yes	Yes	Yes	
Machine Learning	No	No	Yes	No	No	Yes	
Scalable AI Technology	Yes	No	No	No	No	Yes	
Context Awareness	No	Yes	No	Yes	Yes	No	
<b>Inspection and Monitoring</b>							
Web Coverage	Yes	Yes	Yes	Yes	Yes	Yes	
Internet Coverage	Yes	Yes	Yes	Yes	Yes	Yes	
Granular Content Inspection	No	Yes	No	Yes	Yes	No	
Social Media Link Scraper	No	No	Yes	No	No	No	
Text/SMS/Chat Monitoring	No	No	No	Yes	No	No	
Parked Domains Detection	No	No	Yes	No	No	No	
<b>Access and Subscription</b>							
Free Trial	Yes	Yes	No	No	Yes	No	
Demo	Yes	No	No	No	No	Yes	
Quotation-based	Yes	Yes	No	Yes	No	Yes	
Subscription-based	Yes	No	Yes	No	Yes	Yes	
<b>Custom Support</b>							
Local Responses	Yes	No	No	No	No	No	
User Identity-based Policies	No	No	No	No	No	No	
Industry-specific Solutions	Yes	No	No	No	Yes	Yes	
Cloud Architecture	Yes	Yes	Yes	Yes	Yes	Yes	
Security Alliance	Yes	No	No	No	No	No	
Applications Support	Yes	Yes	Yes	Yes	Yes	Yes	
Logo Extraction	No	No	Yes	No	No	No	
Competitor Identification	No	No	Yes	No	No	No	