

RST CLOUD ^{SIA}

WEB-SERVERS COMPREHENSIVE ANALYSIS

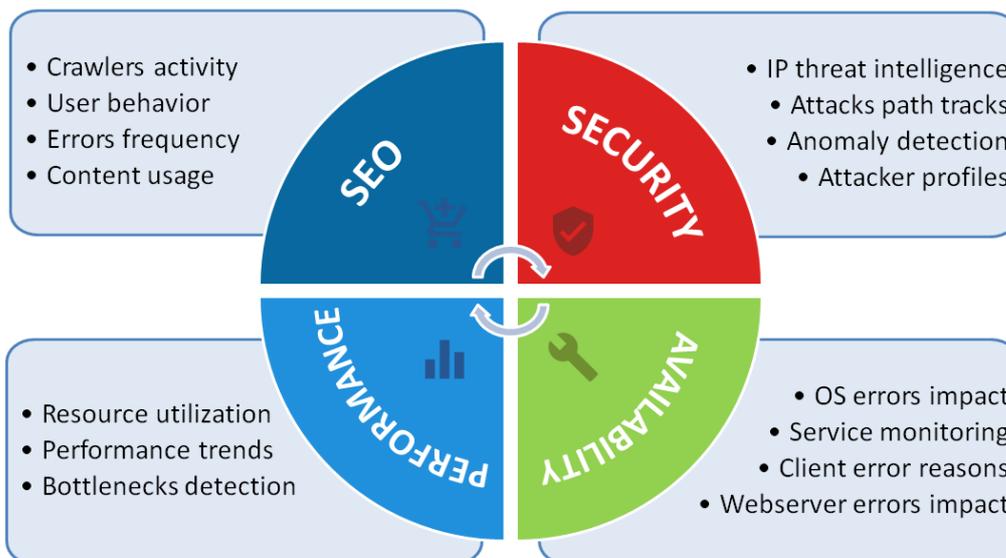
SECURITY, SEARCH OPTIMIZATION, PERFORMANCE, AVAILABILITY

RST Cloud - more than just Log Management

In e-Commerce websites each web-transaction affects your business. Vulnerabilities and security problems, low performance, website unreliability and unavailability for efficient web-crawler processing, in the end, lowers the website profitability. Quality analysis of the web-server logs allows not only for better understanding of the current e-Commerce-website condition, but also for making necessary website development decisions.

In order to solve this problem there exist Log Management cloud services. However, they usually store your logs for a very short period of time and require you to learn a specialized query language. To write a well-considered query you will need hours of meticulous analysis. Are you ready to spend your time on that?

With these problems in mind, we created the **RST Cloud** service.



In the framework of this service we created a variety of handy dashboards and consolidated them under a unified **interactive web-interface**. From our cloud you acquire a single monitoring point that provides comprehensive information of the web-server operation aspects such as **Security**, **Search Engine Optimization (SEO) quality**, Level of **Availability** and **Performance**. To accommodate individual needs, the RST Cloud team develops and supports customized dashboards to visualize data in any format requested by the customer.

KEY CAPABILITIES

Fast evaluation and tracking of your website operation with minimal expenditure. No knowledge of any query language required.

RST Cloud service allows to track

- ❖ Website security level
- ❖ Search optimization quality
- ❖ Website server platform performance
- ❖ Website availability

RST Cloud brief overview

- ❖ Over 100 off-the-shelf online-dashboards
- ❖ Individual dashboards made to order
- ❖ Data-rich email reports
- ❖ From 90 to 365 days log storage
- ❖ Additional users
- ❖ Agent and agentless log collection

Website security level

- ❖ Detection of over 50 types of attacks and activity of over 60 vulnerability scanners
- ❖ Big Data powered HTTP- request anomaly detection
- ❖ Reputation analysis of the user IP-addresses.
- ❖ Attacks context analysis
- ❖ Detection of unauthorized SSH access

Search optimization quality

- ❖ Web-crawler visits dynamics
- ❖ Crawlers indexing quality
- ❖ Web-crawler behavior profiling
- ❖ Traffic volume and request per time period
- ❖ Website content: attendance (popularity), size, errors
- ❖ Visits to the website from the external URLs

Website server platform performance

- ❖ Performance problem detection
- ❖ Resource utilization: CPU, memory, hard drives
- ❖ Trend-based resource usage forecast

Website availability

- ❖ Operation system error detection
- ❖ Web-server error detection
- ❖ Detailed analytics of client error log on the web-server (error-log)
- ❖ Detection of spontaneous service restarts

SECURITY



Comprehensive log analysis allows to detect and investigate a variety of web-attacks. RST Cloud uses Big Data and machine learning mechanisms to detect not only well-known types of web-attacks but also 0-day attacks.

RST Cloud is not a Web Application Firewall (WAF) class solution, but can be useful if you locate your website at a third-party hosting. Very few hosting providers provide their clients with a WAF service. Even fewer fine-tune that service to each client's needs. RST Cloud can also be used to tune WAF and control its' efficiency.

The security section of the RST Cloud analytics can assist you in detecting web-attacks and the methods of their implementation, thus allowing you to take timely defense action.

SEO



When the problem of website popularity analysis arises, the first idea that comes to mind is to use the specialized services provided by the search engine developers. This is the most common approach to that task.

The SEO-analysis section of the RST Cloud analytics complements the data provided by services like Google Analytics with the results of comprehensive analysis of web-crawler processing of your website. This analysis includes all search engines.

Comprehensive SEO-analysis allows you to collect data necessary for all-inclusive optimization of your website and, as the result, improved indexing by all search engines rather than just one.

PERFORMANCE



As your business grows, your website gets more and more visitors. Naturally, the increase in the number of users affects your website performance.

RST Cloud services provide you with analytics that in real scale and time allow you to see how efficiently you web-server resources are used. This data can assist you in planning further scaling and web-server infrastructure development that is required by your growing business.

AVAILABILITY



A website functional 24/7 is essential for e-Commerce companies. However, errors in the web-applications, OS and web-servers can make your website malfunction.

Therefore, it is necessary to detect and track critical events that can affect availability of your website.

RST Cloud analytics allows you to perform in-depth analysis of web-server functioning and detect problems before they significantly affect your website.