

## CyberQuest for certSIGN®: Full Visibility with the Revolutionary Big Data Security Analytics Platform

### certSIGN'S CASE:

- Protecting the authenticity and confidentiality of online information and transactions
- Increased visibility over data from multiple sources

### Overview

As a result of the exponential growth of cybercrime, companies have begun to take further measures to improve their defences, one of them being the creation of special bodies, such as private CERT (Computer Emergency Response Team), designed to work closely with public administration CERT teams to minimize and limit damage from late cyberattacks.

The mission of the first private CERT in Romania, certSIGN®, is to protect individual users while addressing security incidents.

certSIGN®, a UTI Group company, is responsible for issuing digital certificates and offering complete solutions for securing and preserving the authenticity, integrity and confidentiality of information and transactions.

From using applications, Intranet systems or telecommunications networks for the companies they work for, through any device such as a laptop, tablet or smartphone, to signing contracts electronically or selling online, users of this private security certSIGN® data service benefit from the entire UTI expertise in the information security field and from a team of experts with experience in the marketplace, as well as the latest generation software.

### Customer Challenges and Requirements

So that the standards of certSIGN® security services can remain a benchmark, the team of experts tested several working options over a period of time, meant to facilitate processes within the department and to optimize responsiveness to incidents.

certSIGN® purchased multiple SIEM solutions, which in turn required synchronization and a better data correlation from multiple sources. From this point on, the role of CyberQuest began.

### Solution

CyberQuest is a revolutionary Big Data Security Analytics Platform that gathers valuable data from multiple technology sources and empowers users to take actionable, critical decisions in real-time.

CyberQuest can easily detect and alert the security teams when either internal or external attacks occur, which are meant to extract confidential information, among other purposes.



### SUMMARY BENEFITS:

- Increased operational efficiency with smart detailed analysis for each security incident
- Time savings and internal resources optimization: getting light speed answers on events and investigations
- Leveraging the previous investment in security systems and making the most out of each system's capabilities



*"CyberQuest increases the efficiency of security officers therefore offers valuable time for further analysis. It quickly gets to the right answers in case of an attack, which is absolutely necessary. With this solution, we save precious time and resources. We now have a true "cyber expert" as the extension of our team, helping us handle the various security events we have to manage on a daily basis."*

Costin Burdun  
Deputy CEO, certSIGN S.A.

The collection of events and data flows from SIEMs, applications and organizational networks is operated in real time or as programmed. Using the solution’s unique self-learning algorithms, any suspicious behavior can be prevented or proactively addressed.

The advanced alert system removes false alerts and enables security teams to quickly step in to save the integrity of confidential data. CyberQuest helps certSIGN® teams gain full perspective on the performance of security monitoring processes for each user, project or client within the system. CyberQuest graphically summarizes the results of each context analysis for any type of anomaly. This overview is provided via user-friendly, extremely intuitive dashboards and decision trees that are sophisticated and easy to use at the same time.

With CyberQuest, security incident reporting is much easier, as the solution generates instant reports in line with the most recent security standards: ISO 27001, COBIT, FISMA, HIPAA, PCP / DSS, SOX.

The aggregation of data collected from traditional SIEM systems offers a complete picture of the normal processes and operation of monitored events and user behavior. Potential anomalies are handled fast and easy, whether they come from the outside or the inside of monitored organizations. CyberQuest provides in-depth examinations with the source of attack and the sequence of events that led to it, whether it’s a case of copying confidential information from hard drives or external USB drives, unauthorised IP takeovers, malware infections, using privileged access to compromise sensitive information and so on.

## Results

The deployment of CyberQuest at certSIGN brought the following benefits:

- 🔍 Proactive supervision of processes within applications, systems and communication networks, both within the private and public organizations in certSIGN’s portfolio
- 🔍 Precise identification of security incidents through innovative multi-SIEM/multi-platform data correlation
- 🔍 Dedicated advanced search modules which ensure correlations between billions of events in a matter of seconds
- 🔍 Synthesized results displayed in efficient charts to support the security decision making process
- 🔍 Correlation of Audit Data with Physical Security (using an additional video module)
- 🔍 Context sensitive interactive dashboards General / Network / Active Directory

### ABOUT NEXTGEN SOFTWARE

Nextgen Software is an agile European technology company that delivers innovative cybersecurity software solutions based on more than 15 years of worldwide experience in successful implementations with both government and enterprise sectors.

Our solutions ensure full visibility, compliance to international standards and regulations, and powerful analytics that keep your company safe and strong.