

Quickly setting up a security operations center with CySAFA

CGI

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Security operations centers (SOCs) are vital for managing cyber threat intelligence. Information from cyberspace is collected, edited, processed and analyzed here in order to ensure efficient defense against cyber attacks. CySAFA is a proven and agile way to give the user a bespoke SOC in next to no time.

THE CHALLENGE

The threats in cyberspace are constantly growing and developing – demanding effective and efficient management of cyber threat intelligence. Attacks need to be detected and appropriate defensive measures taken. Ideally, attacks can be predicted and prevented before they even occur.

This demands comprehensive, up-to-date knowledge of the entire IT landscape, including its specific weak points. Collecting this information is time-consuming even in up-to-date IT systems. It presents a particular challenge in existing legacy systems, as they often lack standardized interfaces.

Most larger IT organizations have numerous data feeds with numerous analysis and visualization tools; many have grown over a long period of time and are spread across multiple organizational units and geographical borders. Effective cyber defense depends on adapting data import and the fusion of all data in a dynamic and cost-effective way – including future requirements that are currently unknown.

OUR SOLUTION

CGI has designed and set up the Cyber Situational Awareness Fusion Architecture (CySAFA) on behalf of the British Ministry of Defence (MOD). We are continuously supporting the MOD in its operation and ongoing adaptations.

CySAFA enables large quantities of data to be received, saved and analyzed from a wide variety of sources. This allows the situation to be assessed ideally and the right decisions to be taken to defend against cyber threats. Thanks to the flexible architecture, it is easy to meet the specific requirements of other confidentiality provisions.

CySAFA uses modular COTS and open source components and has successfully implemented an agile development and procurement process together with the MOD – so that analysis tools and data feeds needed in the future can be integrated extremely quickly and efficiently.

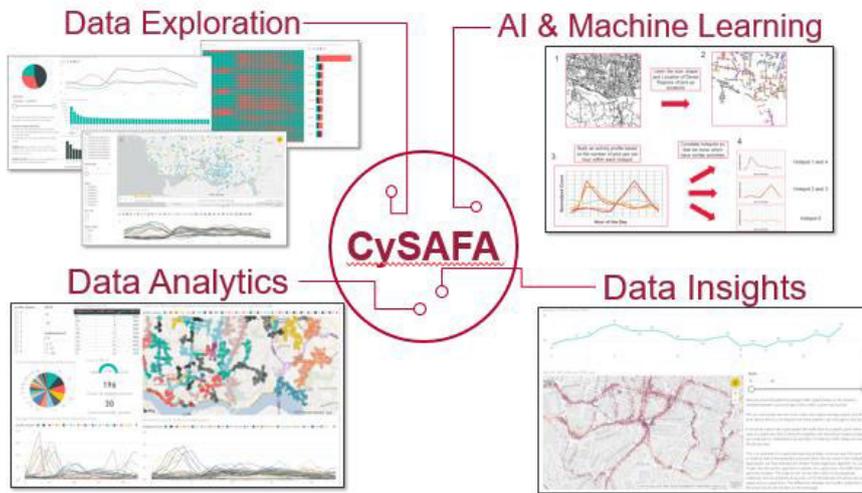
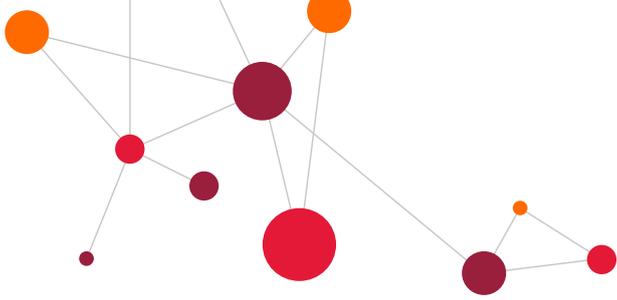


CYSAFA FEATURES

- Scalable, modular big data architecture
- Connection of a wide range of analysis and visualization tools
- Data exchange implemented across all security levels
- Data silos eliminated
- Confidentiality requirement met through physical separation
- Extraction of multiple data and information sources for every stakeholder, adapted to individual requirements
- Flexible adaptation of import interfaces and analysis and visualization tools

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CySAFA is an enabling architecture that unlocks the potential of future cyber defense concepts. This also includes the effective plug & play of data feeds and analysis tools from existing and potential third-party providers. CySAFA can be upgraded and enables the fast integration of additional capabilities and services in order to achieve even better cyber resilience in the future.

WHY CGI?

The boundaries between organized crime, cybercrime, terrorism, and conventional and unconventional warfare are becoming increasingly blurred. With our “Information Enabled Capability through Digital Transformation” approach, we ensure that information is and remains a powerful multiplier for day-to-day operation and use.

CGI is one of the world’s six fastest-growing companies in the cyber security sector. We repel 43 million cyberattacks on military and secret service networks and infrastructures every single day.

ABOUT CGI

CGI is a global service provider for IT and business processes. We were founded in 1976 and have a total of 77,500 employees at 400 locations in 40 countries.

We are on-site for our customers - with strategic IT and business consulting, systems integration, managed IT, business process services and intellectual property at a top level.

We support our customers in making better use of ongoing investments, while at the same time leveraging new digital technologies and business strategies that enable clients to achieve the best solutions across the entire value chain.

Regarding time and budget, we are regularly awarded due to our strict delivery discipline. To this end, we have consistently achieved more than nine out of ten potential points in customer satisfaction surveys over the past ten years.

For more information, please contact us at info.de@cgi.com or visit our website at: de.cgi.com/cybersecurity