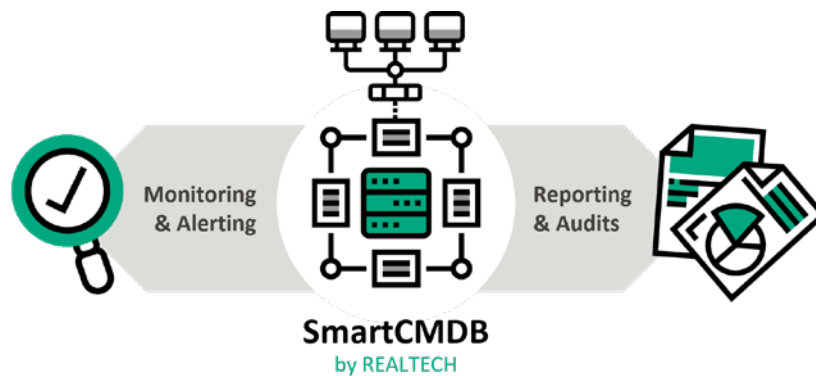


NIS2 meets SmartCMDB

Security and transparency systematically automated

When implementing critical infrastructure and NIS2 requirements, companies in the energy sector, especially energy producers and operators of transmission networks, must implement effective measures for information and device security and at the same time be able to always provide accurate information about this.

REALTECH's intelligent configuration management database (SmartCMDB) enables the reliable, automated recording and documentation of your critical IT/OT environment. It therefore makes a decisive contribution to transparency and security in the KRITIS and NIS2 context.



learn more:



Relevant asset information available at a glance

The SmartCMDB from REALTECH optimally supports your OT processes (operational technology). Thanks to the extremely flexible data model, you can easily centralize and manage all telemetry, process control (Industrial Ethernet) and IT technology components as well as other components that are relevant to asset (and property) management.

Operational security made easy

The data collected on telemetry and process control technology and the associated IT/OT infrastructure supports you in the systematic implementation of procedures to ensure and plan activities in the context of lifecycle management. SmartCMDB offers comprehensive functions for the definition of baselines as well as for the documentation and implementation of your OT processes and workflows.

Documentation and reporting in real time

With the integrated import and reporting function of SmartCMDB, you can easily keep an eye on NIS2 and KRITIS-relevant asset data. This means you can access information at any time and create up-to-date documentation at the touch of a button - without having to tediously gather the information first.

REALTECH AG

Paul-Ehrlich-Straße 1
69181 Leimen (Germany)

info@realtech.com
www.realtech.com

learn more:



What does this mean for you?

NIS2, the current EU directive for network and information security, is intended to ensure a high and shared level of cyber security in the EU. It defines requirements for operators of essential services to ensure the security of their network and information systems.

The requirement to analyze and document assets related to network and information systems in a structured manner is crucial. It aims to carry out an inventory and classification of the assets that are important for the operation of these critical systems.

Identify assets

Operators of essential services must identify all assets associated with their network and information systems. This can include hardware, software, data, infrastructure, applications, services and other resources.

Carry out a structured analysis

Assets should be identified in a structured and systematic manner. A comprehensive analysis allows relevant assets to be identified and assessed in a targeted manner.

Classification of assets

The recorded assets should be classified to assess their value, importance, confidentiality, integrity and availability. This helps to prioritize security measures and allocate resources effectively.

Documentation

The results of the analysis and classification of the assets should be documented to obtain a clear and transparent overview of the assets and their security requirements. This documentation serves as a basis for the development of security measures and strategies.

Concept

The operator should provide a suitable asset management concept for the identification, classification and inventory of IT processes, systems and components as well as software platforms/licenses and applications.

Maintenance and review

The analysis and documentation of assets should be regularly updated and reviewed to ensure that they meet current requirements and threats. New assets should be recorded and evaluated, and obsolete or no longer relevant assets should be archived.



SmartCMDB takes care of everything:

Automated documentation

Comprehensive asset management must always be up to date, not only in the case of audits, but also for daily processes (specification: NIS2). The automatic recognition of technical components (auto-discovery) as well as the detailed extraction of information and import into the CMDB mean both up-to-dateness and a broad database. In addition, you relieve your employees of tedious research work, which in many cases cannot be done „in time“.

Integration for operational technology

Special integrations for all network components (routers, firewalls, switches, modems, industrial Ethernet, etc.) for both classic IT and OT are available as standard (examples: Siemens SIPROTEC, Sprecher SPRECON) or can be integrated by REALTECH at short notice if required.

Integration of organizational and commercial data sources

The time-controlled population of the CMDB with organizational and commercial data from existing third-party data sources complements your asset management. This allows clear roles and responsibilities to be assigned to the assets. As a result, data can be analyzed from different aspects and perspectives at the touch of a button.

Managing the entire life cycle

Your components and systems are managed in the CMDB from planning through operation to disposal. This means you always have important data such as end-of-life (EoL), end-of-support (EoS) and warranty data in view and are automatically informed of changes or deviations.

OT processes

The simple management of your assets is supported by tried-and-tested processes and workflows within the SmartCMDB. Examples include incident, problem, change, asset or configuration management, as well as access, task and risk management. The processes naturally relate directly to your assets, so that the correlation between asset and process can be traced and analyzed at any time.

Historical records

All changes in the CMDB are documented and can be traced. Transparency is guaranteed both in day-to-day work and for audits.

Technical status

In addition to pure asset management, the CMDB also maps the technical status of your devices. It doesn't matter whether the integrated IT/OT device monitoring of the SmartCMDB solution or existing monitoring systems are applied. You can display the current status in the CMDB or have automated alerts (tickets) created.

NIS2-ready

From the flexibly customizable data model and comprehensive process support to the detailed integration of special OT components - SmartCMDB forms the basis for a successful project that can be declared „NIS2-ready“ in no time at all.

