RA Ecosystem Partner Solution
BACnet stack for RA MCUs

Solution Summary

The CS-Lab BACnet stack for RA MCUs helps developers save time and effort in the implementation of BACnet-compatible applications. CS-Lab has compiled a library that supports programmers in the use of BACnet for a particular task (automation station). Routines of the BACnet stack take over the standard-compliant operation of the BACnet protocol, allowing the programmer to focus on the actual application.
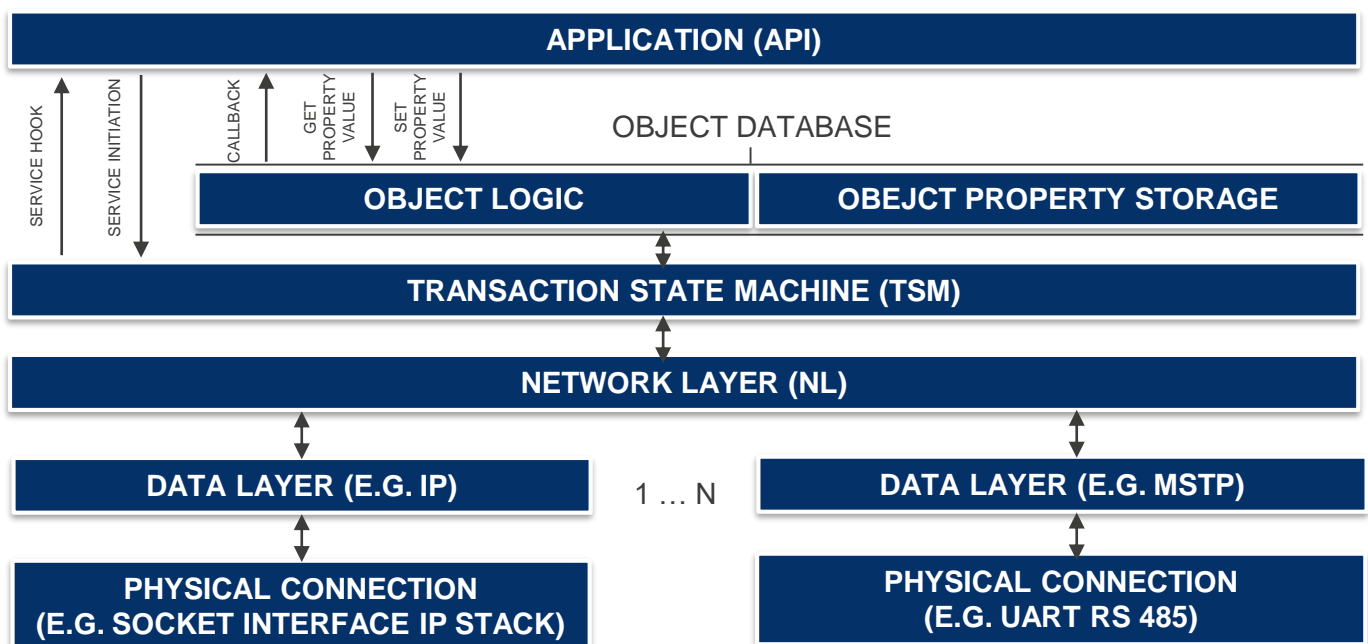
Features/Benefits

User-friendly, flexible, reliable

- **Convenience:** The development of standard-compliant applications is simplified tremendously.
- **Flexibility:** Large I&C systems can be programmed in the same way as automation stations or small devices (such as heat meters).
- **Bandwidth:** Implementations for a wide range of operating systems are available, from older Windows systems to various Linux variants.
- **Reliability:** As part of the BTF, accredited test laboratories use the stack to test the standard conformity of BACnet products.

Many details are processed automatically so that users no longer have to worry about them. Thus, the functionality of the BACnet objects is implemented as an object database. In addition, various mechanisms and fallbacks for the value acquisition of field devices have been built into the code.

Diagrams/Graphics

Target Markets and Applications

- Building Automation

http://www.bacnet-stack.com

2020.07

Powered by MBS

With the BACnet stack, CS-Lab is continuing the proven functionality and reliability of the MBS software. MBS, a DIN EN ISO 17025 accredited and internationally recognized BACnet Testing Laboratory was able to ensure even better independence in the commercialization of the BACnet stack.
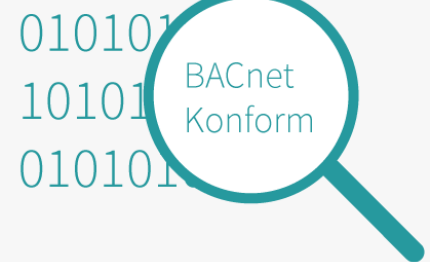
Embedded Linux & QNX Windows

Develop BACnet-compatible applications on all important software platforms

The BACnet stack supports developers in the development of BACnet-compatible applications that run on Linux-, QNX- Windows- and Embedded applications – this applies to both 32-bit and 64-bit applications. The time saved in the development process may be in this case several months.

Powered by MBS

CS-Lab has compiled a library that supports programmers in the use of BACnet for a particular task (automation station, building management system). Routines of the BACnet stack take over the standard-compliant operation of the BACnet protocol. This helps the programmer focus on the actual application, as it significantly facilitates their work.

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BACnet Konform

ABOUT CS-LAB GMBH

CS-Lab is one of the leading German providers of software solutions for the industrial and building automation markets. Their focus is on development and programming applications for Windows, Linux and Embedded.

Companies benefit from the long experience of CS-Lab GmbH with regard to the specific needs in the area of industrial and building automation. Thus, CS-Lab offers custom development and App programming made in Germany, and supports its customers in software design and coding. The portfolio also includes project management, software consulting and hardware development.

With the BACnet stack, CS-Lab offers an all-round carefree to develop BACnet-compatible applications on all major software platforms and with BACeye the company has developed the tool for visualization and analysis of BACnet networks. Customers include numerous medium-sized companies as well as international companies.

For more information, please visit: www.cs-lab.de

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