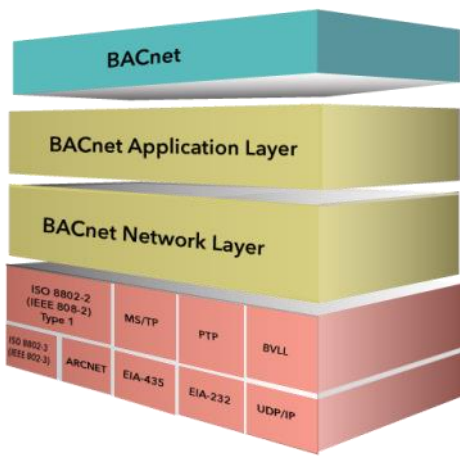




## BACstac/DN™ BACnet Protocol Stack for the Microsoft .NET 6



**The Cimetrics BACstac/DN saves man-years of development when your company needs to create a BACnet-compliant solution for the Microsoft .NET framework!**

BACstac/DN is a BACnet protocol stack designed for the development of BACnet-compliant Windows applications that run on the Microsoft .NET framework, including 32-bit and native 64-bit applications. It features a new API designed specifically for the development of managed code applications in Microsoft Visual Studio.

Our software team has created a BACnet library for the Microsoft .NET framework that greatly simplifies the task of developing BACnet-compliant applications. Many Building Automation and Controls manufacturers use a Cimetrics BACstac protocol stack because of our reputation for delivering high-quality software and excellent technical support. Cimetrics does the heavy lifting of testing the BACstac with all of the latest Microsoft/Linux operating systems and implementing the new Addenda approved by the BACnet Committee in a timely fashion.

### **BACstac/DN features:**

- > Designed for Microsoft .NET 6 ((Visual Studio 2022 or later)
- > **NEW!** Add support of Linux with ready packages for Debian and Ubuntu
- > **NEW!** BACnet/SC support
- > Supports all required functionality of BACnet 2016 (revision 19). It also supports most optional functionality except Virtual Terminal services (Clause 17) and Virtual Devices.
- > Designed to facilitate the development of BACnet-compliant operator workstations and operator displays -B-OWS, B-XAWS, B-AWS, B-OD, B-ALWS, B-LSWS, B-LSAP, B-AACWS, B-ACWS, B-ACSD, B-BC, B-AAC, B ASC, B-SA, B-SS, B-ALSC, B-LSC, B-AACC, B-ACC, B-BBMD, B-ACDC, and B-ACCR profiles.
- > Operating systems supported: Windows 7, Windows 8/8.1, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows 10; 32 bit and 64 bit, Linux with ready packages for Debian and Ubuntu
- > Support for user defined BACnet types in addition to the standard types
- > Code provided: Dynamic-link library (DLL), the BACstac service (a Windows service), and example programs (provided as source code written in C#)
- > BACstac/DN applications coexist with other BACstac applications running on the same PC
- > Documentation provided: User's Guide and Programmers Reference
- > Complete source code is available as an option

**BACnet services supported** ReadProperty, ReadPropertyMultiple, WriteProperty, WritePropertyMultiple, ReadRange, Device Communication Control, Time Synchronization, UTC Time Synchronization, ReinitializeDevice, AddListElement, RemoveListElement, CreateObject, DeleteObject, SubscribeCOV, SubscribeCOVProperty, ConfirmedCOVNotification, ConfirmedCOVNotificationMultiple, UnconfirmedCOVNotification, SubscribeCOVPropertyMultiple, I-Am, I-Have, Who-Has, Who-Is, AcknowledgeAlarm, GetAlarmSummary, GetEnrollmentSummary, GetEventInformation, LifeSafetyOperation, ConfirmedPrivateTransfer, UnconfirmedPrivateTransfer, ConfirmedTextMessage, UnconfirmedTextMessage, WriteGroup.

**BACnet objects types supported** AccessCredential, AccessDoor, AccessPoint, AccessRights, AccessUser, AccessZone, Accumulator, AlertEnrollment, AnalogInput, AnalogOutput, AnalogValue, Averaging, BinaryInput, BinaryOutput, BinaryValue, BinaryLightingOutput, BitStringValue, Calendar, Channel, CharStringValue, Command, CredentialDataInput, DatePatternValue, DateValue, DatetimePatternValue, DatetimeValue, Device, ElevatorGroup, Escalator, EventEnrollment, EventLog, File, GlobalGroup, Group, IntegerValue, LargeAnalogValue, LifeSafetyPoint, LifeSafetyZone, LightingOutput, LoadControl, Loop, MultiStateInput, MultiStateOutput, MultiStateValue, NetworkPort, NetworkSecurity, NotificationClass, NotificationForwarder, OctetStringValue, PositiveIntegerValue, Program, PulseConverter, Schedule, StructuredView, TimePatternValue, TimeValue, TrendLog, TrendLogMultiple.

**Cimetrics Inc.**

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