

BMS Server 2.0

Browse by article

- [Tutorials](#)
 - [Integration of systems and protocols](#)
 - [BACnet Tutorials](#)
 - [BACnet1: Integrating BACnet devices and their objects](#)
 - [BACnet2: Mapping a datapoint to BACnet](#)
 - [KNX Tutorials](#)
 - [KNX1: Importing large KNX projects](#)
 - [KNX2: Integration of KNX with other technologies and protocols](#)
 - [KNX3: Monitoring KNX devices](#)
 - [KNX4: NETx BMS App Secure for ETS](#)
 - [Modbus Tutorials](#)
 - [Modbus1: Integrate a Modbus device](#)
 - [Clustering Tutorials](#)
 - [Clustering 1: Integrating data points from another OPC DA Server](#)
 - [Clustering 2: Integrating data points from another NETx BMS Server](#)
 - [Fidelio/Opera Tutorials](#)
 - [Fidelio/Opera 1: Integrating MICROS Fidelio/Opera](#)
 - [Protel Tutorials](#)

Browse by topic

A-F

[bacnet](#)
[bms-client](#)
[bms-server](#)
[cloud](#)
[command](#)
[connection](#)
[database](#)
[doorlock](#)
[error-message-description](#)
[firewall](#)

G-L

[gateway](#)
[hotel](#)
[installation](#)
[ip-interface](#)
[ip-router](#)
[item](#)
[knx](#)
[licensing](#)
[logic](#)
[lua](#)

M-R

[monitoring](#)
[network](#)
[no-response](#)
[not-detected](#)
[opc](#)
[password](#)

S-U

[scene](#)
[server](#)
[setup](#)
[space](#)
[sql](#)
[upgrade](#)
[usb-dongle](#)

V-Z

[vingcard](#)
[visualization](#)
[vnet](#)
[voyager](#)
[windows-server](#)
[xlogic](#)

Need more help

Please write us an e-mail to support@netxautomation.com or have a look at <https://www.netxautomation.com/netx/en/>

Please register for our update info at <https://www.netxautomation.com/netx/en/newsletter> to get regular information about the latest product updates

- Protel1: Integrating Protel Hotel Management
- Infor Tutorials
 - Infor1: Integrating Infor Hotel Management System
- VingCard Tutorials
 - VingCard1 : Integrating VingCard door locks
- Salto Tutorials
 - Salto1: How to integrate Salto door locks
- Kaba Tutorials
 - Kaba1: Integrating Kaba door locks
- HTTP and Web Service Tutorials
 - HTTP1: How to integrate web content from HTTP servers
 - HTTP2: Using the HTTP module to send Telegram messages
- GridVis integration tutorials
- MQTT Tutorials
- oBIX and KNX Web Service interface
- Web visualization
 - Webvisu1: Creating a web visualization for KNX
- Add control functionality and logic
 - XLogic examples
 - XLogic1: Lock object
 - XLogic2: Limit Item Value
 - XLogic3: Delayed Off
 - LUA examples
 - LUA1: Writing item values to CSV files
 - LUA2: Limit Item Value

- How to use the Extension Manager
- NETx LaMPS Module
- Tips and Tricks
 - General
 - Accessing the BMS Server in a local network from the internet
 - Backup/Recovery /Transfer BMS Server
 - Firewall settings of the BMS Server
 - How can I access single bits in an integer datapoint?
 - How can I enable solar information?
 - How can I install .NET Framework 3.5 offline?
 - How do the OPC item IDs change after server software upgrade?
 - How to enable main /backup-switchover in web visualization
 - How to monitor a Windows Service
 - Import/export item values from/to Excel
 - Installing extensions without Internet connection
 - The BMS Client Editor does not start
 - Using the support tools to monitor network traffic
 - Using the support tools to monitor the used memory
 - BACnet
 - I am not able to discover BACnet devices although they are online
 - KNX
 - Bandwidth limit
 - Filtering TP Main line
 - Forward Date/Time to KNX
 - How to check the connection to a KNXnet/IP router or interface
 - Item Quality
 - NETx BMS App Secure: partial export of KNX group addresses
 - Splitting complex KNX DPTs
 - Why should the BROADCAST gateway be avoided in KNX?
 - Modbus
 - I get strange readings of a floating-point datapoint type
 - Modbus Exception Codes

- [Fidelio/Opera/Protel](#)
 - [Synchronization with Fidelio/Opera database](#)
- [Database](#)
 - [Database migration after upgrade to BMS Platform 4.1.2000 or higher](#)
 - [How can I change the database password?](#)
 - [How to determine current database space usage?](#)
 - [Is there a maximum database size?](#)
 - [Manual installation of the SQL Server instance](#)
 - [My database is full](#)
 - [What kind of MS SQL Server license do I need?](#)
 - [XDB Status OFFLINE -- What Can I Do?](#)
- [Logic and Scripts](#)
 - [IP Connections \(TCP, UDP, HTTP, etc.\) via LUA and XCON](#)
 - [LUA FAQ](#)
 - [Serial Communication with LUA](#)
- [Webserver](#)
 - [Activate TLS/SSL](#)
 - [Auto-Login for Web Clients](#)
 - [Creating multiple visualization clients from a single project](#)
 - [Dynamic URLs](#)
 - [My web-visualization has rendering problems and/or lazy response times.](#)
- [Licensing](#)
 - [Can I plug the USB dongle to a licensing server in the network?](#)
 - [USB dongle is not detected](#)
- [Troubleshooting](#)
 - [Error Messages](#)
 - [BACnet; BACnet stack initialization failed. Unable to bind <IP-address>: <port>.](#)
 - [BMS_DATA_ENGINE; \[xes_InvalidItemID\] VLink in line: <n>](#)
 - [Error installing Microsoft .NET Framework, Return Code 0x800f0906](#)
 - [Export to Excel unsuccessful](#)
 - [NETIP_TUNNELING_SOCKET; No valid Server IP](#)

- Address can be detect.Set
'NetworkCardIPAdd
ress' Parameter in
Router
Configuration file.
- NETIP_TUNNELIN
G_SOCKET;
Received
Telegram: <KNX-
group-
address>@<IP-
address> from
<KNX-phys-
address> has
different data size
as defined (defined:
<x>, received:<y>).
 - OPC Client
callback function
failed
 - The NETx BMS
could not be
started! Check the
server Log files or
Windows Event
List for more
information.
 - VNET_SERVER:
Listing Socket E03.
Server could not
be initialized
(E5177)
 - WEB_SERVER;
Can't start server
on IP Address(es)
<IP-Address> and
Port: <port>
 - XDB_ENGINE;
Connect to
SysDatabase failed.
- Warning Messages
 - BACnet;BACnet
stack initialization
failed. Unable to
bind to <IP>:
<port>. Trying to
determine IP
address ...
 - BACnet;Invalid
data type for item
<IdemID>. BACnet
Object Type not
supported.
 - HISTORY_XDB;
DB Error (4001):
Source: Microsoft
OLE DB Provider
for ODBC Drivers,
Description:
[Microsoft][ODBC
Driver Manager]
Data source name
not found and no
default driver
specified
 - HISTORY_XDB;
DB Error (4001):
Source: Microsoft
OLE DB Provider
for SQL Server,
Description:
[DBNETLIB]
[ConnectOpen
(Connect())]SQL
Server does not
exist or access
denied.

- Warning: USB Dongle removed (W8009) or Error: USB Dongle missed (E8009)
- XLogic library
 - General logic
 - Conversion
 - SplitWordIntoBits
 - SplitWordIntoBytes
 - WriteBitsToWord
 - Item
 - BoolToValue
 - DelayedOff
 - DelayedOn
 - ForwardWith_Reset
 - ForwardOrReset
 - ForwardValue
 - Init Item
 - Limit Item Value
 - Lock
 - Monitor Status
 - Scene
 - Toggle
 - Write
 - Write3
 - Logic
 - And
 - Or
 - Math
 - Add
 - Avg
 - Div
 - Max
 - Mult
 - Multiplexer
 - Sub
 - Other
 - XButton
 - Hotel
 - HotelCheckInCheckOut
 - KabaEvent
 - VingCardEvent
 - KNX logic
 - KNX_Scene
 - KNX_Set_Scene
 - SendCurrentDateToKNXDPT
 - SendCurrentTimeToKNXDPT
- How-to articles