

Building Management System integration for victor 6.0 Release Notes

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Overview

The victor Application Server provides a generic integration with Building Management Devices based on the BACnet protocol. This enables you to configure and control the BACnet Devices. The BMS Integration provides a range of widgets to animate the BACnet Device status. This BMS Integration offers a gateway mechanism for wrapping objects in victor to BACnet Objects. The third party system monitors change in victor Objects through the BACnet protocol.

Features

The victor Application Server Integration software for BMS offers the following features:

- BACnet Device Automatic Discovery and BACnet Objects manual import
- Building activities are logged in the Journal for future investigative reporting
- Installation on victor remote clients
- Multi-condition Triggers by setting Additional Status on BACnet Object Editor
- BACnet Device, BACnet Object, and BACnet Action featured on the ribbon menu
- BACnet Device Objects under Device List and Site List
- BACnet Device and BACnet Object reports
- Find in Journal and Find on Map for BACnet Devices and BACnet Objects
- BACnet Objects animated by widgets on Maps
- Add BACnet Devices and BACnet Objects on Maps. View BACnet Devices and BACnet Objects on Maps
- Alert configuration and Object Association for BACnet Devices and BACnet Objects
- User Role both default and user defined for BACnet Device, BACnet Object and BACnet Action, BACnet Gateway template, BACnet Gateway Device, and BACnet Gateway Object
- BACnet Device and BACnet Object status
- Supports BACnet/IP(Annex J) protocol:
 - Supports subscription to the change of value (COV) event notification for many properties.
 - Supports the following Objects, with most properties of the standard Object types supported: Analog Input, Analog Output, Analog Value, Binary Input, Binary Output, and Binary Value, Multi-state Input, Multi-state Output, Multi-state Value, Schedule and Device.
 - Supported Services: Who-Is, I-Am, Read Property, Read Property Multiple, Write Property, Write Property Multiple, Subscribe COV, Subscribe COV Property, Confirmed COV Notification, and Unconfirmed COV Notification.
- Localization of GUI and journaling
- Acknowledge Event Notification in Alarm
- BACnet Gateway function - map victor objects to BACnet Objects
- Default Gateway Templates: iSTAR people counting and Event Gateway Templates
- Customizable Gateway Templates
- View Monitor Objects summary
- Supports BBMD: BACnet IP Communication across different networks
- Supports Import Objects (EDE File) in BACnet Device Context menu
- JCI Verasys support

Requirements

The BMS Integration has the same hardware, software, and disk space requirements as the victor Application Server. If the target computer meets victor Application Server requirements, then it meets BMS Integration requirements.

The victor integration software for BMS requires the following software:

- victor Application Server: v6.0
- victor Client: v6.0

Qualified operating systems

The BMS integration supports all operating systems that are supported by victor. Refer to the victor data sheets for more information.

Supported software and hardware

The driver supports the following:

- victor Application Server: v6.0
- victor Client: v6.0
- Contemporary Control Systems Inc: Metasys 8.1
- Protocol: ANDI/ASHRAE 135-2010

Installation package contents

The following table lists the software files for the BMS Integration.

Table 1: Contents of installation package

File	Description
BMSInstaller.msi	BMS Integration installation file
Setup.exe	BMS Integration software setup file

Pre-installation

Before you begin:

❗ Note: Close all applications to avoid problems during installation. To configure BACnet Objects on client workstations, you must install the BMS Integration client components.

1. To install the driver on victor Application Server ensure the following:
 - The appropriate Windows permissions
 - Membership of the local administrators group or equivalent privileges.
2. To install the victor Application Server select one of the following server options:
 - victor Application Server
 - BMS
3. To install the driver on victor Client ensure the following:
 - the appropriate Windows permissions.
 - membership of the local administrators group or equivalent privileges.
4. Install the Administration Workstation and Monitoring Station.
5. Install victor Client.

Installation

Before you begin:

Perform the following steps to install the BMS Integration software for victor on the server and remote clients:

① **Note:** You must install the BMS Integration in the same folder as victor

1. To begin the installation, double-click the BMSInstaller.msi.
2. Click **Next** and follow the Install Wizard prompts.
3. On the **License Agreement**, select **I accept the terms in the license agreement**, and then click **Next**.
4. To complete the installation, click **Finish**.

Post installation

About this task:

After the installation is complete, perform the following procedure:

1. Start the Server Configuration Application:
 - a. Click **Start**, then click **All Programs**, and then click **Tyco**.
 - b. Right-click the **Server Configuration Application**,
 - c. Click **Run as Administrator**.
2. Restart the CrossFire Services:
 - a. On the **Services** page, click **Stop** for the CrossFire Server Component Framework Service and then for the Crossfire Framework Service. Wait for all services to show **Status: Stopped**.
 - b. Click **Start** for the Crossfire Framework Service and wait for it to show Status: Running.
 - c. Click **Start** for the CrossFire Server Component Framework Service and wait for it to show Status: Running.
 - d. In the **Extension services** section, locate the BMS Driver Service. Select the **Enabled** check box and click **Start**. The status of the BMS Driver Service changes to Running.
3. Start victor Client.

Scalability Information

This driver supports 2000 objects.

Compatibility matrix

The following table lists the software compatibility matrix information.

Table 2: Compatibility matrix

victor version 6.0	
Partner	BMS
Partner product	Johnson Controls Metasys
Partner Product version	Metasys 8.1

Table 2: Compatibility matrix

victor version 6.0	
Integration driver version	4.00.0.100
victor License option	Building management system
victor Enterprise certified	Yes
victor Redundancy certified	No
Supported Server OS	All OS supported by victor Server
Supported Client OS	All OS supported by victor Client
Supported SQL Server	All SQL supported by victor Server

Known issues and limitations

See the following list of known issues and limitations in this release.

- To upgrade the BMS integration from version 5.4 or earlier to a newer version of the BMS integration, your system must contain TLS 1.0 and SSL 3.0. If this is not the case errors may occur.
- If upgrading from 5.4 or earlier version of driver and the user has already disabled TLS 1.1, the upgrade may fail during the removal step of the old version of the integration with an SQL connection error.

Workaround : Re-enable TLS 1.1 on the system to allow the upgrade to proceed and disable it again after. Clean installs of the newer driver will not have this problem as it will deploy the database with the new TLS 1.2 compatible method.

- This version does not support Oracle.
- The context menu for BACnet Device and object on navigation tree is different from that on the dynamic view.
- Do not save and close auto discovery of BACnet Devices and Objects before it has completed.
- Do not run auto discovery of BACnet Devices simultaneously on multiple clients.
- When only partial objects are imported, it is recommended to use the Import Device Objects option from the context menu to manually import device objects instead of auto discovery.
- When there are large numbers of BACnet Devices and objects, devices can change from online to offline and then back to online. To avoid this issue, increase the poll period interval.

Resolved issues

The following table lists the fixes included in this version of the software.

Table 3: Issues resolved

Number	Description
691127	Resolved an issue with discovering devices connected using building network with BACnet Broadcast Management Devices (BBMDs) as a forwarding service.
792655	Resolved an issue with reporting BACnet Gateway Multistate objects.
792655	Resolved an issue with discovering BACnet Gateway objects.