SOFTWARE HOUSE
From Tyco Security Products

Release Notes for C•CURE 9000 v2.70 Building Management System Integration v3.70.489.247

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This document provides important information for installing the Building Management System (BMS) Integration for C•CURE 9000 v2.70, for both server and client machines. In case of discrepancy, the information in this document supersedes the information in any document referenced herein. Read this document before you install the product.

Product: C•CURE 9000 Building Management System Integration

- Integration software version: 3.70.489.247
- Release version: 2.70

Company: Software House

This driver release is qualified with C•CURE 9000 when installed on:
-victor Unified Systems v3.70 (C•CURE v2.70 and victor v5.2).

Contents

1. Overview

This integration provides a generic integration between C•CURE 9000 and Building Management Devices based on BACnet protocol, allows you to configure and control BACnet devices. It provides connectivity to equipment using the BACnet protocol over Ethernet (called **BACnet/IP** or **Annex J**). To access devices on other BACnet network types, use the BACnet gateway devices. If the device is based on other protocols for example: N2, then a protocol converter for example: BACnet - N2 router, is needed.

This integration also provides a gateway mechanism for wrapping objects in C•CURE 9000 to BACnet objects. This allows the third party systems to monitor changes in C•CURE 9000 objects through BACnet protocol.

2. Features

The C•CURE 9000 BMS integration has the following features:

- Automatic Device Discovery and BACnet object manually import.
- Multi-condition triggers.
- Interaction among devices: Non-BACnet and BACnet.
- BACnet objects animation by widget on Map.
- All changes in building status and value are logged in the journal for future investigative reporting.
- Supports up to 2000 BACnet objects.
- Supports BACnet/IP(Annex J) protocol:
    a. Supports subscription to the Change of value (COV) event notification for many properties.
    b. Supports the following Objects, with most properties of the standard object types supported: Analog Input, Analog Output, Analog Value, Binary Input, Binary Output, Binary Value, Multi-state Input, Multi-state Output, Multi-state Value, Schedule and Device.
    c. Supported Services: Who-Is, I-Am, ReadProperty, ReadPropertyMultiple, WriteProperty, WritePropertyMultiple, SubscribeCOV, SubscribeCOVProperty, ConfirmedCOVNotification, and UnconfirmedCOVNotification.
- Acknowledge Event Notification in Alarm.
- BACnet gateway function - map C•CURE 9000 objects to BACnet objects.
- Default gateway templates: iSTAR people counting, Event gateway templates.
- Customized gateway template.
- View monitor objects summary.
- Supports BBMD: BACnet IP Communication across different networks.
- Supports BACnet Schedule: Read and modify BACnet schedules defined in BMS.
- Supports MAP Widget: Added an option to hide object name for text widget, label widget and meter widget.

3. Qualified Requirements

The C•CURE 9000 BMS integration has the same hardware, software, and disk space requirements as C•CURE 9000. If the target computer meets the requirements to install C•CURE 9000, then it meets BMS Integration requirements.

4. Software Requirements

The C•CURE 9000 BMS integration requires the following software for C•CURE 9000 and BACnet Protocol:

- C•CURE 9000 Security and Event Management System version 2.70
- BACnet protocol : ANSI/ASHRAE 135-2010

5. Qualified Hardware

The driver supports the following devices:

- Beckoff: CX8091
- Contemporary Control Systems Inc: BASR-8M
- Protocol: ANSI/ASHRAE 135-2010

6. Qualified Operating Systems

This driver supports the following operating systems:
32-bit operating systems:

- Windows 10

- Windows 8
- Windows 7 Enterprise

64-bit operating systems:

- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2008 R2
- Windows 7 Enterprise
- Windows 8
- Windows 10

7. Contents of Installation

The below table contains the following contents of installation:

Table 1: Contents of Installation

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

8. Pre-Installation

To install the driver:

1. You must have appropriate Windows permissions.
2. You must be a member of the local administrators group or have equivalent privileges.
3. Close all applications to avoid problems during installation.
4. Get the BMS Integration Installation Program from C•CURE 9000 2.7 DVD, or download from the Connected Program section of the Member Center on the Software House website.

9. Installation

Follow the steps to install the BMS Integration:

1. Right-click **Setup.exe**, and select **Run as administrator**.
2. The Install Wizard begins installing the software, and the BMS Integration Welcome screen appears. Click **Next**.
3. Select the **I accept the terms of the license agreement** check box, and then click **Next**.
4. Click **Next** in the **Custom Setup** dialog box.
5. If you install the integration on a server, the **Database Server Credentials** dialog box appears. Select one of the following authentication methods:
   - **Windows authentication credentials of current user** – is the default.
   - **Server authentication using the Login ID and password below** – if you previously configured an SQL server, you can create a Login ID and Password to act as authentication credentials for the SQL database.
6. Click **Next** to continue with the installation. The **Ready to Install the Program** dialog box opens.
7. Click **Finish** to complete the Installation.

10. Post-Installation

Before you configure a BMS Integration object, the CrossFire Framework Service, CrossFire Server Component Framework Service, and the SoftwareHouse CrossFire BACnet Driver Service must be running.

If the server services are not running, follow the steps to start them:

1. From the Start Menu, select **Start>All Programs>Software House> C•CURE 9000>Server Configuration**.
2. Click the **Services** tab.

3. In the **Framework Services** pane, click the **Start Service** button beside the **CrossFire Framework Service**.
4. In the **Framework Services** pane, click the **Start Service** button beside the **CrossFire Server Component Framework Service**.
   Wait for the status of Cross Framework Service and the CrossFire Server Component Service to change to **Running.**
5. In the **Extension Services** pane**,** select the **Enabled** check box for the **SoftwareHouse CrossFire BACnet Driver Service** and then click the **Start Service** button.

After the status of Crossfire Framework Service, CrossFire Server Component Service, and the SoftwareHouse CrossFire BACnet Driver Service changes to **Running,** you can configure the BACnet Integration objects in the C•CURE 9000.

11. Scalability

This driver supports 2000 objects.

12. Compatibility Matrix

The below table lists the software compatibility matrix information:

Table 2: Compatibility Matrix

C•CURE Version 2.70	
Partner	BMS
Partner Product	Beckoff, Contemporary Control System Inc
Partner Product version	Beckoff: CX8091,Contemporary Control Systems Inc: BASR-8M
Integration driver version	3.70.489.247
C•CURE License option	Building Management System
C•CURE Enterprise certified	Yes
C•CURE Redundancy certified	No
Supported Server OS	C•CURE Server supports all OS Server
Supported Client OS	C•CURE Client supports all OS Server
Supported SQL SERVER	C•CURE Client supports all SQL Server

13. Known Issues and Limitations

This section lists all the known issues and limitations in this release:

- The context menu for BACnet device and object on navigation tree is different from that on the dynamic view.
- If you use the BACnet protocol, BMS integration cannot work simultaneously with MZX integration.
- 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 recommend 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.
  - **Workaround:** To avoid this issue, increase the poll period interval.
- BACNet devices and victor application server must be in the same network subnet because BACNet devices can broadcast only in a local area network.

14. Defects Fixed

No defects in this release.

15. End of Release Notes