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OTIS Elevator integration for victor 6.0 Release Notes

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This document provides important information about the unified victor Integration Software for OTIS Elevator Integration. Read this document before you install the product.

Product: Unified Integration Software for OTIS Elevator Integration
- Integration Software Version: 6.0.18.18

This driver release is qualified with victor when installed on:
- victor Unified Systems v4.00 (C•CURE v3.00 and victor v6.0)

Overview

The OTIS Compass Elevator System Integration in combination with the Unified victor system provides security to floors in a multi-level building. It ensures that that only authorized persons can access a particular floor or exit from that floor.
Access to floors is determined by swiping a card to a card reader. The card reader is located outside the elevator car, either near Destination Entry Computer (DEC) or inside DEC. The DEC accesses the personnel privilege assigned to a specific OTIS Elevator access configuration outside of the elevator.

Features

The Unified OTIS Elevators Integration offers the following features:

- Supports Multicast and Unicast Heartbeat Types.
- Supports Interface Control Document (ICD) Version 1, Version 2, Version 2.2, Version 3, and Version 3.1.
  Note: It is recommended to configure all OTIS DES hardware with same ICD versions.
- Supports Reason Codes for denied floor access.
- Supports secured access to floors of multi-level building by ensuring that only the authorized personnel can enter or exit on that floor.
- Supports the following Operational Modes, which can also be scheduled:
  - Mode 1 - Default Floor Only
  - Mode 2 - Access to Authorized Floors
  - Mode 3 - User Entry of Destination Floor
  - Mode 4 - User Entry of Default Floor
- Supports floor selection messages for a DEC.
- Supports a Destination Entry Server (DES) Audit display that shows the elevator activity of Personnel.
- Supports front and rear door configuration.
- Supports the use of card swipe on the inbuilt reader of the DEC.
- Supports Schedule-based floor access for all personnel.
- Supports DEC PIN code entry. When this feature is enabled, the customer can use PIN code entry to navigate to floors in the building without needing to swipe their card.

1

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- Supports 255 floors by each elevator group, and the front and rear doors of each elevator cab.
- Supports default floor configuration.
- Supports Secure or unsecure floors through Events, Schedules, or Operator menus.
- Supports the assigning of an exemption group who can access secured floors.
- Supports Maintenance mode, which is used to limit information about an object, displays on the Monitoring Station.
- Supports victor role respect.
- Supports integration with victor Object Association.
- Supports victor Client-side event management.
- Supports Monitoring devices on victor Maps and Health dashboard.
- Supports TLS 1.2 for security.

Hardware Requirements

The OTIS Elevator Integration has the same hardware, and disk space requirements as the Unified Application Server. If the target computer meets the Unified Server requirements, then it satisfies OTIS Elevator Integration requirements.

Software Requirements

The unified OTIS Elevators Integration requires the following software:
- victor unified client: v6.0
- C•CURE 9000 Security and Event Management System and Software House iSTAR Controllers
- OTIS Simulator version: AP131468BAK
- OTIS DEC (physical device: PN- XAA23505A) version AAA31526AAA

Contents of the Installation Package

The following table lists the contents of the OTIS Elevator Integration installation package:

Table 1: Installation Package

File	Description
OTIS_Integration.exe	Installation program for the Otis Elevator System Integration software
UM-victor-OTIS-v6-0-A163816J18-A-en.pdf	victor OTIS Elevator System Integration Guide
RN-victor-OTIS-v6-0-A163816J0T-C-en.pdf	Release Notes for Unified OTIS Elevator Integration

Supported Installation Types

The unified OTIS Elevator Integration supports the following installation types:
- Unified Standalone
- Unified Enterprise

Pre-Installation

Before you install the unified OTIS Elevator Integration, ensure that your system meets the following criteria:

On the victor Application Server:
- You must have appropriate Windows permissions.

2

- You must be a member of the local Administrators group, or you must have equivalent privileges.
- Ensure that you are on a reliable network.
- You must install the Unified Application Server with the following options:
  - Unified Application Server
  - OTIS

On the Clients:
- You must have appropriate Windows permissions.
- You must be a member of the local Administrators group, or you must have equivalent privileges.
- You must install the Monitoring station, Administration workstation and the victor. See the *victor Installation Quick Start Guide* for more information. This is available at www.americandynamics.net.

Installation

Note:
- You must install the OTIS Elevator Integration in the same folder as victor.
- Open the Server Configuration Application and stop the following server services.
  - CrossFire Framework Service
  - CrossFire Server Component Framework Service
- Close the Server Configuration Application.
- Close all applications to avoid problems during installation.
  Follow the same steps to install OTIS Elevator Integration on the Server and on Clients:

1. Navigate to http://www.americandynamics.net.
2. Download an appropriate version of the OTIS Integration Software Driver.
3. Right-click OTIS_Integration.exe and select **Run as Administrator**.
   The Install Wizard begins installing the software, and the OTIS Elevator Integration **Welcome** screen appears.
4. Click **Next** and follow the Install Wizard prompts.
5. On the License Agreement, select the I accept the terms in the license agreement check box and then click Next.
6. Click **Finish** to complete the installation.

   Note: You cannot install the OTIS Elevator Integration server components on a victor Application Server MAS (Master Application Server).

Post-Installation

Perform the following steps after installation:

1. Launch the Server Configuration Application:
   a. On the taskbar, click the **Start** button and then click **All Programs**.
   b. Click Tyco, right-click the Server Configuration and then click Run as Administrator.
      The Server Configuration Application page opens.

2. Start the OTIS Services:
   a. On the Server Configuration Application page, click to open the Services tab.
   b. Ensure that both Crossfire Framework Service and Crossfire Server Component Framework Service are **running.**
   c. In the **Extension Services** area, locate the **OTIS Receiver Driver Service**. Select the **Enabled** check box and then click the **Start** button. The status of the OTIS Receiver Driver Service changes to **Running.**

3

3. Launch the victor client:
    a. On the taskbar, click the **Start** button and then click **All Programs**.
    b. Click **victor**.
4. Launch the C•CURE client:
    a. On the taskbar, click the **Start** button and then click **All Programs**.
    b. Click **Tyco** and then click **CCURE 9000**.

Upgrading the OTIS Elevator Integration

Caution:
If you have made any changes in the configuration file - `OTISElevatorDriverService.exe`, ensure that you back up the file before you upgrade. The configuration file is located at `Tyco\CrossFire\ServerComponents`.

The 6.0 OTIS driver supports the following upgrade scenarios:
- Upgrade from v5.4.1 to v6.0
- Upgrade from v5.6/v5.7 to v6.0

To upgrade OTIS drivers earlier than version 5.4.1 to version 6.0, follow an incremental upgrade path to get to version 5.4.1.
You must upgrade victor before you upgrade the OTIS driver.
For example,
- If the current driver is victor v5.2 compatible driver, upgrade incrementally to victor v5.4.1 compatible driver, and then upgrade to victor v6.0 compatible driver to maintain data integrity.
- If the current driver is victor v5.3 compatible driver, upgrade incrementally to victor v5.4.1 or v5.6/v5.7 compatible driver, and then upgrade to victor v6.0 compatible driver to maintain data integrity.

To upgrade the OTIS integration from v5.4.1 or v5.6/5.7 to v6.0 to v6.0, complete the following procedure:
1. Use the Unified installer to upgrade to victor 6.0.
2. Click **Later** on the prompt that appears after you upgrade C•CURE. Do not click **Reboot**.
3. Upgrade the OTIS integration.
4. Reboot the machine.

Caution:
When you upgrade victor, if you reboot the machine before you upgrade the OTIS integration, then the previous OTIS integration remains active. Before you can upgrade the OTIS integration, you must complete the following steps:
1. Open Task Manager.
2. Right-click `OTIS Elevator Driver Service.exe` and select **End Task**.

Scalability

This driver is qualified with 15 DES per Server and 25 DEC per DES.

Language Support

This driver supports the English (US) language.

Compatibility Matrix

The following table lists the Compatibility Matrix for the OTIS Elevator Integration:

Table 2: Compatibility Matrix

victor version 6.0	
Partner	OTIS
Partner Product	Elevator Integration/Destination Dispatch
Partner Product version	OTIS DEC version: AAA31526AAA OTIS Simulator version: AP131468BAK ICD versions: 1.0, 2.0, 2.2, 3.0, and 3.1 Heartbeat Type: Multicast and Unicast
Integration driver version	6.0.18.18
victor License option	ADVC-OTIS
Enterprise certified	Yes
Redundancy certified	No
Supported Server OS	All OS supported by victor Server
Supported Client OS	All OS supported by victor Client
Supported SQL	All SQL Server supported by victor

Known Issues and Limitations

This section describes the OTIS Elevator known limitations.

- To upgrade this driver to the current version, you must use the same User Account that you used to install the earlier version of the OTIS Elevator Integration.
- If you assign multiple clearances to a personnel record, the landing matrix is retrieved for all clearances, including expired clearances that are associated with this personnel record.
- OTIS Elevator Integration does not support the following access control functions:
    1. Antipassback
    2. Area Lockout
    3. Area Configuration
    4. Occupancy Counting
    5. Intrusion Zones
- When group manual actions are canceled from the MAS Client Activity Viewer, no actions are performed.
- Synchronized audit and journal log messages on MAS do not show the complete details of configured objects.
- For deactivated and canceled manual actions, the operator icon is displayed in the Journal Log Messages instead of the manual action icon.
- Manual actions performed on OTIS landing objects in the MAS Remote Client (victor) do not work.
- Validation of parity bit is not supported during processing of card reader data received from OTIS DEC.
- You must select the ICD version manually. It is not automatically configured based on the ICD version in the DES (Destination Entry Server).
- You must reboot the DES after you change the ICD version. This ensures that victor reflects the allowed floors in the DES.
- After an upgrade you must set the ICD version and Heartbeat type to an appropriate value.

5

- The card format that is configured with the Issue Code field must be linked with the CHUID that is configured with the Issue Code field.
- Do not configure personnel with identical card numbers if card formats of the same data length and format fields are associated with the DEC.
- victor does not have provision to create Clearance, hence it is mandatory to create Clearance in CCURE before creating Clearance Landing Matrix in victor.
- Migration of a standalone machine with an OTIS Driver to SAS is not supported.
- After changing the IP address of Elevator System, you must restart the OTIS driver service.
- If you install the OTIS Elevator Integration on remote clients, the **Integration Setup** dialogue box appears, and you may be prompted to select an Installation Option for the Redundancy sever. Ignore this message and click **Next** to continue with installation.
- If you select the **Redundancy sever installation using supported third party redundancy** check box, provide the virtual server location, and then click **Next**; this selection is ignored and there is no functional impact.
- Deployment of combination of ES integrations (OTIS, ThyssenKrupp, KONE and Schindler) on the same victor system is not supported.
- In a system that is configured for failover, if the failover of a physical machine takes longer time, it may cause communication loss for an OTIS elevator system.
- Victor specific Heartbeat configuration is not supported.
- If **Connection Strings Encrypted** checkbox is selected at victor v5.4.1/v5.6/v5.7 then after upgrading to v6.0 and, when v6.0 compatible OTIS Integration is installed, **Connection Strings Encrypted** check box is de-selected.
  - **Workaround**: Enable the check-box **Connection Strings Encrypted** again.
- When upgrade is performed from victor v5.4.1/v5.6/v5.7 with multiple Integrations and, post victor 6.0 upgrade, then upgrade of all Integrations is mandatory. If any of the Integrations is not upgraded, then it may lead to malfunctioning of other integration services or CF services. User must perform the upgrade of all the integrations.
- Config file or Heartbeat config UI is not supported.
- Multiple iStar door configuration under DEC is not supported.
- In victor hardware tree, objects like Clearance Landing Matrix, Default Landing Matrix are not getting displayed.
- In victor activity viewer, landing related messages are not getting displayed.

Defects Fixed

The following table lists the defects that are fixed in this version of the software:

Table 3: Defects Fixes

Category	SPAR Number	SPAR Description
OTIS Driver	836938	If CompanyName folder is renamed and user installed OTIS driver, then Otis Config file is not created under renamed folder. If User Manually creates the Otis Config file under renamed folder, then duplicate entries added to the database.
OTIS Driver	836937	Home Floor not working correctly when Personnel have multiple CLMs with varying Home Floors assigned.

End of Release Notes

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7