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Overview

The Velocity 3.7 SP3 release includes support for new features:

- Expanded the number of Passback Zones that Velocity can support
- Improved licensing management for Virtual Machines
- Includes SQL Express 2017 in Velocity Installer
- [Improvements and Bug Fixes](#)

Support upcoming add-on releases:

- Bosch IDS as an add on

This document also summarizes the [System Requirements](#).

IMPORTANT INSTALLATION NOTES:

- **Before upgrading to Velocity 3.7 SP3 (from a Velocity 3.6 release), you must register your Velocity software and obtain the necessary license(s).** See the [Velocity Licensing](#) topic for details.
- Existing Velocity users moving from 3.6 to 3.7 should use the Velocity Update Wizard. This wizard simplifies the effort required to upgrade, and uses smaller installation files than the Upgrade Wizards provided for previous versions of Velocity.
- New installations of Velocity 3.7 SP3 require Microsoft SQL Server 2014 or later. Velocity 3.7 SP3 provides you with the option to install the free Express edition of SQL Server 2014. If this Express edition is not adequate for your needs, then you must install a licensed edition of a supported version (2014, 2016, or 2017) of SQL Server, before doing a new Server installation of Velocity 3.7 SP3.
 - If you already have SQL Server 2014, 2016, or 2017 installed on your server, the Velocity 3.7 SP3 Installer detects and uses your full edition of SQL Server for the Velocity database.
- **For End-Users that currently have Velocity Integrations developed by Identiv Global Services (IGS), please contact your Regional Sales Manager for assistance when updating to Velocity 3.7 SP3.**

System Requirements

Before installing Velocity, make sure your server, workstation, or client computer meets the following requirements.

Hardware Requirements

In summary, the hardware minimum requirements for a computer performing the role of a Velocity 3.7 SP3 Server, Client, or Workstation are the same as for the Velocity 3.7 release. Here are the detailed hardware requirements for each role.

For VEL-SERVER:

- x64 3.10 GHz CPU (or equivalent)
- 16GB RAM
- RAID 1 Configuration Recommended
 - RAID 5 Configuration NOT Recommended (Due to degraded SQL write performance)
 - 300GB 15K RPM HDD (SSD preferred)
- DVD drive (or use a soft copy on USB)
- 1 Ethernet port

For VEL-EXPRESS (Workstation, Client):

- x64 3.10 GHz CPU (or equivalent)
- 8GB RAM
- 250GB 7.2K RPM HDD (or equivalent)
- Mouse
- Keyboard
- 20-inch LCD monitor
- 2GB video card
- Speakers

- 1 Ethernet port

HINT: More RAM, a faster processor, fast disk read/write speeds, and a high-end video card are recommended and will improve performance for most applications; it will also help ensure long-term compatibility with system expansion and upgrades to Velocity, the Windows operating system, and the SQL Server database.

Operating System Requirements

The following table shows supported versions of Windows by Velocity 3.7 SP3.

Computer role:	Versions of Windows supported by Velocity 3.7 SP3
VEL-SERVER	<ul style="list-style-type: none"> • Windows Server 2019
VEL-EXPRESS (Workstation, Client)	<ul style="list-style-type: none"> • Windows Server 2019 • Windows 10 Pro

Note: Operating System versions which Microsoft no longer officially supports are not recommended for use with Velocity.

For more information please visit: <https://support.microsoft.com/en-us/help/13853/windows-lifecycle-fact-sheet>

Database Requirements

Your organization’s IT department’s policies might determine whether you can manage your own SQL Server database for Velocity or must run the Velocity database on an existing SQL Server managed by IT.

New installations of Velocity 3.7 SP3 require SQL Server 2014 or later. Velocity 3.7 SP3 provides you with the option to install the free Express edition of Microsoft SQL Server 2014.

If you are updating or upgrading an existing installation of Velocity to the 3.7 SP3 release, certain older versions of SQL Server may work for the update but are not officially supported. If you already have SQL Server 2008 R2 SP3, 2012 SP3, 2014, 2016, or 2017 installed on your server, the Velocity 3.7 SP3 Installer detects and uses your full edition of SQL Server for the Velocity database.

Firmware Requirements

Software

Product	End of Sale	End of Service	Firmware Version
Velocity 3.7	N/A	N/A	CCM: 7.6.43.06 (D*T and Mx) SNIB2: 6.52 SNIB3: 2.05.1030
Velocity 3.6	July 2018	N/A	CCM 7.6.1.13 (D*T and Mx) SNIB2 6.52 SNIB3 2.2.26
Velocity 3.5	September 2015	December 2018	CCM 7.4.53 (D*T and Mx) SNIB2 6.99
Velocity 3.1	October 2012	March 2016	CCM 7.4.25 (DIGI*TRAC) SNIB2 5.98
Velocity 3.0	September 2008	April 2013	CCM 7.4.0 (DIGI*TRAC) SNIB2 5.28
Velocity 2.6	November 2006	November 2010	CCM 7.2.07 (DIGI*TRAC)
Velocity 2.5	May 2004	November 2010	CCM 7.2.03 (DIGI*TRAC)

Hardware/Firmware

Product	End of Sale	End of Service	Firmware Version
SNIB3, RREB	N/A	N/A	Current SNIB3 version: 2.05.1030
Mx-1/2/4/8	N/A	N/A	Current CCM version: 7.6.43.06
SNIB2	N/A	N/A	Current SNIB2 version: 6.52
AEB8, REB8, MEB	N/A	N/A	N/A
M1, M16, M64	N/A	N/A	Current CCM version: 7.6.43.06
M2, M8, MSP-8R	December 2017	December 2019	Current CCM version: 7.6.43.06
XBox, SNIB	December 2018	December 2020	N/A
DL1, SCIB	April 2014	June 2016	N/A

- **For End-Users with DIGI*TRAC or Mx Controllers running CCM Firmware 7.5.23 or earlier, changing Credential Use Count in Enrollment Manager for any credential will change the access zones associated with the credential and create a tag**

Compatible Builds of Integrations or Optional Components

The following table shows the compatible builds of integrations or optional components for Velocity's recent releases.

Component:	Compatible build for Velocity 3.7 SP3
Velocity Web Services Client	3.6.12.602
Hirsch Video Integration framework:	
plug-in for 3VR	1.3.7.60
plug-in for Aventura	1.1.7.482
plug-in for Unified American Dynamics	1.1.7.257
plug-in for Cisco VSOM	1.1.7.97
Edge EVO Controller Integration	1.0.3.3

The following table shows the compatible builds of the software components in Identiv's FICAM Solution, corresponding with Velocity's most recent releases.

FICAM Software Component:	Compatible build for Velocity 3.7 SP3
CCM firmware	7.6.43.06
SNIB3 firmware	02.05.1030
OS component	01.04.0002
Driver component	01.05.0002
uTrust TS Government reader firmware	2.2.528
Velocity	03.06.12.2220
Velocity Certificate Checking Service (VCCS)	3.6.12.292
Veridt Reader Firmware	7.20.18

For more information about Identiv's FICAM Solution, see the **FICAM Solution** section of topics in the Velocity main help system. Information about the hardware components of Identiv's FICAM Solution is also available in Velocity Help.

New Features and Enhancements

This section summarizes the new features and enhancements introduced in the Velocity 3.7 SP3 release.

Introduction of Zone Groups

Now you can manage a much larger amount of access zones. You can create groups of access zones and give them a custom name. You can monitor card holders in multiple access groups and place as many panels as you like into one group.

- Zone groups are a grouping of controllers that share zones. They can be manually defined or auto defined as described below
- A controller can only be on one zone group at a time
- A "Globalized controller" is a controller that has Properties | Setup | Options | Enable global credential management checkbox enabled.
- Everyone node - displays all users in all Zone Groups
- Globalized Zones folder - contains groups of globalized controllers organized by Port
- Custom Zones folder - contains built-in "Default" zone group and user defined zone groups

Enhanced Licensing for Virtual Machine based systems

When installing Velocity in a virtualized environment, the Velocity System ID now utilizes updated hardware parameters that will remain static, even when system updates are applied, preventing the need to have Velocity licensing reissued.

Velocity Installer now includes SQL 2017 Express

Reminder - Velocity Licensing

Coinciding with the Velocity 3.7 release, all customers and certified Hirsch/Identiv dealers will need to register their Velocity systems to continue receiving Support and access to the latest software release and announcements. To register your Velocity system, follow the [Registration Link Here](#).

Starting with the Velocity 3.7 release, all Versions of Velocity REQUIRE licensing. **Velocity Express** edition and **Velocity Server** edition replaces the previous editions of Velocity (Velocity Unlimited Edition and Velocity FED Unlimited Edition).

- The **Express** edition supports up to 32 modules, with Velocity running on a standalone workstation.
- The **Server** edition initially supports up to 64 modules, one Velocity Server, and 10 Thick Clients.

Velocity license modules are NOT required for user credentials or browser-based Web Client connections.

Velocity Improvements

Reference ID	Summary
PAC-627	Expand Number of Passback Zones that can be defined in Velocity
PAC-1711	Replace DMO objects with SMO objects in Velocity core components
PAC-1965	Velocity License Administration System can now issue extensions to Velocity DEMO licenses
PAC-2045	Replace DMO objects with SMO objects in Velocity Installer
PAC-2066	Replace DMO objects with SMO objects in AttachDatabaseWizard
PAC-2076	Velocity Installer now includes SQL 2017 Express
PAC-2133	Fingerprint Expiry check made optional
PAC-2493	Velocity Installer supports SQL installations with TLS 1.0 disabled
PAC-2496	Updated permissions behavior when adding new Ports, Xbox and Controllers
PAC-2542	Enhanced Licensing for VM based systems
PAC-2639	Improved Who's inside update mechanism to not collapse tree
PAC-2642	Improved management of data displayed when performing a Suspend Zone Refresh

Velocity Known Issue Fixes

Reference ID	Summary
PAC-1683	Improved automatic credential downloads when updated expiration date is applied
PAC-1690	For TS SC reader, TRN version is displayed in Reader Properties page
PAC-1857	Fixed error that hid Print badge confirmation window
PAC-2013	Able to reuse names of previously deleted Master Time Zones
PAC-2064	Improved performance of Card Reader Bezel Tamper function
PAC-2135	Enabled moving a UDF from one TAB to another
PAC-2158	Updated IDF number shown on the Event Viewer for Event ID 8017
PAC-2263	Fixed Alarm column on Status Viewer to display correct state of the expansion input when set to normally open
PAC-2320	Eliminated error when attempting to update Operator with different Role
PAC-2330	Identiv Global Velocity – Improved performance of DigiTrac Service when disabling and re-enabling ports that were reported offline
PAC-2355	Updated Credential Description in Event Viewer when executing an Override Code Tamper
PAC-2436	Updated Operator properties to display accurate value for Auto Lock Workstation Feature
PAC-2461	Included Windows 10 Driver for USB-BIO-FICAM SecuGen reader
PAC-2494	Added ability to tab between fields in Velocity Enrollment Manager
PAC-2526	Operator Log now records changes made by operator to a person group assignment
PAC-2533	Eliminated errors in reporting Operator Log when unsupported characters are entered
PAC-2538	Credential Form now allows you to search for a hexadecimal match code
PAC-2551	Allows update to a user record, even when previously revoked certificate, without the need to create a new user record