

Overview

The Velocity 3.8.2.2835 release includes many fixes to increase reliability and usability and the following features:

- Reader Control Groups - support different actions at different readers
- Install SQL Server 2019 Express

IMPORTANT INSTALLATION NOTES:

Before updating to Velocity 3.8.2 from a pre-Velocity 3.7 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, 3.7 or 3.8.x to 3.8.2 must use the Velocity Update Wizard. This wizard simplifies the effort required to update your system and uses smaller installation files than the Upgrade Wizards provided for previous versions of Velocity.

New installations of Velocity 3.8.2 require Microsoft SQL Server 2016 or later. Velocity 3.8.2 provides you with the option to install the free Express edition of SQL Server 2019. If this Express edition is not adequate for your needs, then you must install a licensed edition of a supported version (2016, 2017, or 2019) of SQL Server, before doing a new Server installation of Velocity 3.8.2.

If you already have SQL Server 2016, 2017, or 2019 installed on your server, the Velocity 3.8.2 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 3.8.2.

System Requirements

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

Hardware Requirements

In summary, the hardware requirements for a computer performing the role of a Velocity 3.8.2 Server, Client, or Workstation are the same as for the Velocity 3.8.x release. Here are the detailed hardware requirements for each role.

For Velocity 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 Velocity 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, and a faster video card with more video RAM 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 which versions of Windows are supported by Velocity 3.8.2 for the different computer roles.

Computer Role	Versions of Windows supported by Velocity 3.8.2
Velocity Server	<ul style="list-style-type: none">• Windows Server 2019• Windows Server 2016
Velocity Express (Workstation, Client)	<ul style="list-style-type: none">• Windows Server 2019• Windows Server 2016• 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 3.8.2 require SQL Server 2016 or later. Velocity 3.8.2 provides you with the option to install the free Express edition of Microsoft SQL Server 2019.

If you are updating or upgrading an existing installation of Velocity to the 3.8.2 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 3.8.2 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 3.8.2	N/A	N/A	CCM/CCMx 8.0.01.047 SNIB2 6.52 SNIB3 3.01.1028
Velocity 3.8.1	N/A	N/A	CCM/CCMx 8.0.00.059 SNIB2 6.52 SNIB3 3.00.1197
Velocity 3.8.0	N/A	N/A	CCM/CCMx 7.6.46 SNIB2 6.52 SNIB3 2.07.1047
Velocity 3.7	April 2020	N/A	CCM/CCMx 7.6.43 SNIB2: 6.52 SNIB3: 2.05.1030
Velocity 3.6	July 2018	October 2020	CCM/CCMx 7.6.1.13 SNIB2: 6.52 SNIB3: 2.2.26
Velocity 3.5	September 2015	December 2018	CCM/CCMx 7.4.53 SNIB2: 5.99
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: 3.01.1028
Mx-1/2/4/8	N/A	N/A	Current CCM Version: 8.0.01.047
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: 8.0.01.047
M2, M8, MSP-8R	December 2017	December 2019	Current CCM Version: 8.0.01.047
XBOX, SNIB	December 2018	December 2020	N/A
DL1, SCIB	April 2014	June 2016	N/A

Compatible Versions of Integrations or optional components

The following table shows the compatible version of integrations or optional components for Velocity 3.8.2.

Component:	Compatible build for Velocity 3.8.2
Velocity Web Services Client (VWSC)	3.8.2.893 (included)
Hirsch Video Integration framework: <ul style="list-style-type: none">• Plug-in for 3VR• Plug-in for Unified American Dynamics• Plug-in for Cisco VSOM• Plug-in for Bosch VMS	1.3.9.119 1.1.9.322 1.1.9.159 1.3.9.102
Velocity Certificate Checking Service (VCCS)	3.8.2.343
Edge EVO Controller Integration	1.0.4.334
Cisco Unified Call Manager (CUCM) Integration	3.6.11.61
Velocity IDS Framework: <ul style="list-style-type: none">• Bosch IDS plugin• DMP IDS plugin	1.0.3.198 1.0.3.71

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

FICAM Software Component:	Compatible build for Velocity 3.8.1
CCM firmware	8.0.00.059
<ul style="list-style-type: none"> ● SNIB3 firmware ● OS component ● Driver component 	03.00.1197 01.04.0002 01.05.0002
uTrust TS Government reader firmware	2.2.528
Velocity	3.8.1.2648
Velocity Web Services Client	3.8.1.498
Velocity Certificate Checking Service (VCCS)	3.8.1.330
Veridt Reader Firmware	7.20.18

Note: 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 3.8.2 release. (More detailed information about each feature is provided in the product documentation such as Velocity’s online help system or the DIGI*TRAC Systems Design and Installation Guide).

Support Different Actions at Different Readers

Reader Control Groups enable a credential to achieve different actions when placed at different readers:

- Reader Control Groups allow the same credential, at different readers, to do different things.
- Reader Control Groups allow 16 Control Zones (one for each reader in a panel) to be defined per credential that can be triggered or otherwise used by the credential in addition to the credentials assigned (access or control) function.
- CCM 8.0.01.047 is required to support this feature. SNIB3 03.01.1028 is also required to support this feature if SNIB3 Credential Database feature is being used.

Improved Velocity Installer

- The Velocity Installer will now (optionally) install Microsoft SQL Server 2019 Express
- The Velocity installer has been changed to give the operator more control over installation problems by giving the operator a chance to fix the problem without aborting the installation.

Enhanced TS Reader Firmware Download Error Reporting

Additional firmware download errors are reported to help troubleshoot issues that may occur when updating firmware to TS readers.

Velocity Improvements and Bug Fixes

Reference ID	Summary
PAC-712	Added VWSC related log files to SystemReport
PAC-1945	Fixed Velocity Updater to correctly report failures from 3rd party applications
PAC-2353	Improved security by not granting logon rights to “Velocity Users” account during installation
PAC-2614	Fixed issue deleting panel from IDS integration would not clear associated IDS Area object properties in Graphics
PAC-2714	Fixed VCCS uninstall issue that could lead to license being required for re-installation

PAC-2719	VCCS Enrollment Listenr port now defaults to port 9020 as documented
PAC-2811	Fixed issue deleting panel from IDS integration would not clear associated IDS Area object properties in Graphics
PAC-3058	Changed TS Reader firmware download failure to alarm level event
PAC-3088	Velocity installer now warns that all files in the specified path will be deleted
PAC-3244	Fixed issue where message indicating Door Group is currently in use could be hidden behind another window
PAC-3400	Fixed issue where Credentials were not being updated when linked Credential Templates were changed
PAC-3412	Fixed issue where downloads would remain queued when a controller is offline but not yet reported as offline
PAC-3414 PAC-3636	Improve TS Reader firmware download error reporting
PAC-3418	Fixed issue where you had to restart the Velocity Service Control Manager after updating license scheme using the Velocity Update License Tool
PAC-3419	Fixed display issue where "Add/Renew" button of Velocity License Update Tool is not visible on some laptop displays
PAC-3423	Fixed issue where reports ran from Web Client did not export in Excel (or CSV) format
PAC-3456	Fixed issue in Status Viewer where Readers - 'Status' and 'Physical Tamper' columns were not updated
PAC-3492	Fixed issue where an error was displayed when clicking on Standard Time Zone folder
PAC-3527	Fixed issue with 'Last Run' time did not update for "Export Data - Velocity Scheduling Agent"
PAC-3530	Fixed VWSC uninstaller to properly clean up Velocity database
PAC-3537	Fixed VWSC installation issue where browsing for VelocityServices account returned improperly formatted account name
PAC-3576	Fixed issue where new Graphics map would not be added to any Role. Note: this only occurred if Workstation entry for the server installation was missing in the database
PAC-3609	Fixed issue where a Function Group, with empty configuration, would disappear from the system
PAC-3689	Improved Email Writer error handling when email server is unavailable

PAC-3725	Fixed error where CAC credentials were not functioning properly in SNIB3 database mode
PAC-3753	Fixed error in Graphics caused by deleting maps with Point Monitoring Zones
PAC-3768	Fixed error caused by defining Holidays with a large number of days in the Holiday

Known Issues

Reference ID	Summary
PAC-3223	<p>Issue: "Velocity Security Domain version mismatch" error displays during Client auto upgrade from 3.7 SP3 to 3.8.1.</p> <p>Work-around: When updating from 3.6 or 3.7 to 3.8.0/3.8.1 you must manually run the update program on each client.</p>
PAC-3422	<p>Note about Download Monitor behavior when Credential Database is located on downstream SNIB3 controllers:</p> <p>Credential downloads to SNIB3 are a two-step process:</p> <ol style="list-style-type: none"> 1) Transfer all credential data as a single file 2) SNIB3 processes each credential record <p>Therefore when downloading a large number of credentials to a downstream SNIB3 the batch in the Velocity Download Monitor will remain in the "Active" state (with zero commands processed) while data is being transferred to the downstream SNIB3. For large downloads this may take several minutes.</p> <p>Once the data transfer is complete the batch status will update for every 100 records processed by the downstream SNIB3.</p>