IDENTIV Velocity v3.8.3.3284 Release Notes

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Overview

The Velocity 3.8.3.3284 maintenance release includes many fixes to increase reliability and usability and the following features:

- Added IPv6 support for Velocity clients
- Added support for Acuant AssureID document (driver's licenses and passports) scanning and authentication service
- Added feature to not scramble keypad for specific credentials
- Added feature to always hide PINs from all Roles (PINs are never visible)

This document also summarizes the [New Developments](#) in this release.

IMPORTANT INSTALLATION NOTES:

Before updating to Velocity 3.8.3 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 to 3.8.3 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 3.8.3 require Microsoft SQL Server 2016 or later. Velocity 3.8.3 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 3.8.3.

If you already have SQL Server 2016, 2017, or 2019 installed on your server, the Velocity 3.8.3 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 3.8.3.

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 3.8.3 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 Workstation and 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 3.8.3 for the different computer roles.

System Role	Versions of Windows supported
Velocity Server	• Windows Server 2019 • Windows Server 2016
Velocity Workstation or Client	• 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 3.8.3 require SQL Server 2016 or later. Velocity 3.8.3 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 3.8.3 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 3.8.3 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 3.8.3	N/A	N/A	CCM/CCMx 8.1.00.02 SNIB2 6.52 SNIB3 3.02.1006
Velocity 3.8.2	N/A	N/A	CCM/CCMx 8.0.01.046 SNIB2 6.52 SNIB3 3.01.1026
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

Hardware/Firmware

Product	End of Sale	End of Service	Firmware Version
SNIB3, RREB	N/A	N/A	Current SNIB3 Version: 3.02.1006
Mx-1/2/4/8	N/A	N/A	Current CCM Version: 8.1.00.02
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: 8.1.00.02
M2, M8, MSP-8R	December 2017	December 2019	Current CCM Version: 8.1.00.02
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 3.8.3

Component:	Compatible build for Velocity 3.8.3
Velocity Web Services Client (VWSC)	3.8.3.1360 (included)
Hirsch Video Integration framework: ● Plug-in for 3VR ● Plug-in for Bosch VMS ● Plug-in for unified American Dynamics ● Plug-in for Cisco VSOM	 1.3.9.119 1.3.9.102 1.1.9.322 1.1.9.159
Velocity Certificate Checking Service (VCCS)	3.8.3.370
Edge EVO Controller Integration	1.0.4.355
Cisco Unified Call Manager (CUCM) Integration	3.6.11.79
Velocity IDS Framework: 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 3.8.2
CCM firmware	8.0.01.047
● SNIB3 firmware ● OS component ● Driver component	03.01.1028 01.04.0002 01.05.0002
uTrust TS Government reader firmware	2.4.647
Velocity	3.8.2.2835
Velocity Web Services Client	3.8.2.893
Velocity Certificate Checking Service (VCCS)	3.8.2.343
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 3.8.3 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).

Reference ID	Summary
PAC-1008	Added PoE+ related events in Event Viewer
PAC-2769	Added IPv6 support for Velocity clients. Note: **Only the Velocity thick client is IPv6 ready**. The Velocity Server and all Velocity integrations still require IPv4 to be enabled.
PAC-3033	Added feature to always hide PINs from all Roles (PINs are never visible).
PAC-3123	Added feature to automatically un-assign disabled credentials.
PAC-3164	Added support for displaying System Use Notification banner before accessing Velocity.
PAC-3215	Added Miscellaneous tab to Enrollment Manager for options: "Disable Credential on CCM Expiration" and "Unassign Credential on Auto Disable by CZ" features that were previously configurable by SQL script.
PAC-3381	Added feature to auto disable credential when used at a specific reader.
PAC-3496	Added feature to not scramble keypad for specific credentials.
PAC-3640	Added feature to configure a reader to require two-factor authentication when it requires two-person rule (Disable CCOTZ during Two-Person Rule).
PAC-3654	Added feature to change Threat Level at specific readers (instead of entire controller).
PAC-3692	End User License Agreement (EULA) now shows during Velocity Installation, Update and upon operator's first time opening Velocity.
PAC-3888	Added support for Acuant AssureID document scanning and authentication service.

Velocity Improvements and Bug Fixes

Reference ID	Summary
PAC-1726	Fixed issue where previously enrolled picture would display if "Read locked information (requires PIN)" was unchecked when reading PIV cards.
PAC-2101	Removed Velocity installer requirement for .NET 3.5 Framework to be pre-installed. Notes: Many organizations want to improve their security footprint by not having .NET 3.5 Framework installed. Velocity core features and current integrations do not require .NET 3.5 Framework. However, legacy DVR/NVR and legacy Central Station Receiver integrations still require .NET 3.5 to function. **Updated Velocity systems will continue to work as long as .NET 3.5 is installed and enabled.** **For customer who need legacy DVR/NVR functionality in new Velocity installations, the following steps are now required:** 1. Turn on .NET 3.5 in windows feature 2. Install Microsoft.InteropformsRedist.msi (download from (https://www.microsoft.com/en-us/download/details.aspx?id=3264) 3. Run Velocity Update (to register legacy DVR/NVR\Central Station Receiver executables and dlls) 4. Manually register the following 4 files using Regasm4.exe included in Velocity folder. Open Windows Command Prompt using "Run as Administrator", navigate to Velocity folder and Run commands: Regasm4.exe NVR_ADAlertVB.dll Regasm4.exe NVR_ADDisplayVB.dll Regasm4.exe NVR_ADViewOnlyVB.dll Regasm4.exe VideoDotNet_NVR_ADVB.dll
PAC-2443	Fixed issue where a very large number of Master Time Zones would generate an out of memory error when opening Master Time Zones.
PAC-2531	Fixed issue where Detailed Operator Report indicated the Credential expiration date, when linked to a UDF date value, was changed when no change had been made to the UDF value.
PAC-2742	Added events to indicate when Velocity Cert Check Service (VCCS) starts and stops.

PAC-2751	Fixed issue where Bio mismatch Failure Alarm (5093) did not have Door or Reader number as part of alarm event.
PAC-3410	Fixed issue where Configuration downloads resumed with errors when controller went offline during initial download.
PAC-3683	Fixed issue where force downloading a credential after updating PIV information would fail.
PAC-3752	Fixed issue with Velocity integration installer where a 3rd party installer may cause Windows reboot before Velocity update has completed.
PAC-3757	Fixed duplicate key error that could occur when modifying Door Group referenced by Master Door Group in certain cases.
PAC-3789	Fixed issue with real-time routing of operator events in VWSC client.
PAC-3847	Fixed issue where Time Zone names starting with a leading underscore could not be edited or deleted.
PAC-3858	Improved Holiday user experience when opening a holiday containing days from the previous year.
PAC-3865	Fixed Time Zone sorting issue in Relay and Input Logic tab.
PAC-3869	Fixed issue where Tag and Alert options for a Door Group may not be cleared as expected in certain scenarios.
PAC-3882	Fixed Door Properties error that occurred after importing Controller configuration using "Import New Controller" option.
PAC-3905	Fixed issue that may occur when installing a Video integration that runs a vendor supplied installer that requires Windows to reboot .
PAC-3913	Fixed issue where Reader Control Group (RCG), Control Zone list is empty when "Display my network layout" is unchecked.
PAC-3922	Fixed issue where not all controllers would display as logged off in Status Viewer when the DIGI*TRAC Network Service is stopped.
PAC-3975	Added events when the Velocity Web Service starts and stops.
PAC-3985	Fixed issue where a download for an offline controller, where Credential Database is located on SNIB3, would fail when the controller came back online.
PAC-3990	Fixed issue where Velocity Updates overwrite custom descriptions for some events.
PAC-4028	Fixed issue where Event ID 1340 was not decorated correctly.

Known Issues

Reference ID	Summary
PAC-3223	**Issue**: "Velocity Security Domain version mismatch" error displays during Client auto upgrade from 3.7 SP3 to 3.8.3. **Work-around**: When updating from 3.6 or 3.7 to 3.8.03.8.1/3.8.3 you must manually run the update program on each client.
PAC-3422	Note about Download Monitor behavior when Credential Database is located on downstream SNIB3 controllers: Credential downloads to SNIB3 are a two-step process: 1) Transfer all credential data as a single file 2) SNIB3 processes each credential record 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. Once the data transfer is complete the batch status will update for every 100 records processed by the downstream SNIB3.
PAC-3567	Updating SNIB3 firmware from 02.06.1045 fails in SNET3/TLS mode. Workaround is to switch to XNET2 protocol when running SNIB3 02.06.1045 firmware and upgrade to the latest release. After firmware update you may switch to XNET3/TLS protocol.

Deprecated Features

The following features will not be supported in future versions of Velocity.

- Dialup support for controllers
- Legacy DVR
- Legacy Bosch Central Station Receiver