IDENTIV 3.8 Release Notes

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Overview

The Velocity 3.8 release includes support for new features:

- SNIB3 and TS Readers supports OSDP Secure Channel as per SIA OSDP Spec v2.1.7

- Supports Bosch IDS integration

- Support unattended client updates using deployment software such as Microsoft SCCM

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

IMPORTANT INSTALLATION NOTES:

- Before upgrading to Velocity 3.8 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 or 3.7 to 3.8 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 3.8 require Microsoft SQL Server 2016 or later. Velocity 3.8 provides you with the option to install the free Express edition of SQL Server 2017. 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.
- If you already have SQL Server 2016, 2017, or 2019 installed on your server, the Velocity 3.8 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.

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 Server, Client, or Workstation are the same as for the Velocity 3.8 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 for the different computer roles.

System Role	Versions of Windows supported by Velocity 3.8
Velocity Server	- Windows Server 2019 - Windows Server 2016
Velocity Express (Workstation, 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 require SQL Server 2016 or later. Velocity 3.8 provides you with the option to install the free Express edition of Microsoft SQL Server 2017.

If you are updating or upgrading an existing installation of Velocity to the 3.8 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 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	N/A	N/A	CCM 7.6.46 (D*T and Mx) SNIB2 6.52 SNIB3 2.07.1047 Touch Secure Reader Firmware 2.3 Veridt Reader Firmware 02.02.05
Velocity 3.7	N/A	N/A	CCM 7.6.43 (D*T and Mx) SNIB2: 6.52 SNIB3: 2.05.1030
Velocity 3.6	July 2018	October 2020	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: 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: 2.07
Mx-1/2/4/8	N/A	N/A	Current CCM Version: 7.6.46
SNIB2	N/A	N/A	Current SNIB3 Version: 2.05.1030
AEB8, REB8, MEB	N/A	N/A	N/A
M1, M16, M64	N/A	N/A	Current CCM Version: 7.6.46
M2, M8, MSP-8R	December 2017	December 2019	Current CCM Version: 7.6.46
XBOX, SNIB	December 2018	December 2020	N/A
DL1, SCIB	April 2014	June 2016	N/A

Note: 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

Upgrading TS Readers

Velocity 3.8 release supports OSDP Secure Channel as per SIA OSDP Spec v2.1.7. To upgrade current OSDP based TS readers connected to a Velocity 3.8 system, please follow the steps in the *__TS Reader – Updating Firmware__* help topic found in Velocity Help. The following table shows the required hardware to upgrade TS Readers to version 2.3

Required Hardware for TS FW 2.3:	Compatible build for Velocity 3.8
SNIB3	2.07.1047
RREB - RS-485 Reader Expansion Board	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.

Component:	Compatible build for Velocity 3.8
Velocity Web Services Client	3.8.0.609
Hirsch Video Integration framework: ● Plug-in for 3VR ● Plug-in for Aventura ● Plug-in for unified American Dynamics ● Plug-in for Cisco VSOM	 1.3.7.60 1.1.7.482 1.1.7.257 1.1.7.97
Edge EVO Controller Integration	1.0.4.324
Cisco Unified Call Manager (CUCM) Integration	3.6.11.47
Bosch IDS plugin	1.0.0.141

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
CCM firmware	7.6.46
● SNIB3 firmware ● OS component ● Driver component	02.07.1047 01.04.0002 01.05.0007
TS Government reader firmware	2.3
Velocity	3.8.0.2387
Velocity Certificate Checking Service (VCCS)	3.8.0.306
Veridt Reader Firmware	7.20.18/02.02.05

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 Developments

Reference ID	Summary
PAC-2532	Velocity now supports unattended updates to client using SCCM software
PAC-2687	Added support for octal pass through to HEX conversion when entering data for MATCH code
PAC-2718	Added confirmation dialog when resetting encryption on a Velocity port to avoid accidentally clearing trust on a TLS port.
PAC-2637	Added ability to display when a controller is in "Degraded Mode" in Event Viewer
PAC-2705	Added support for Secure Channel OSDP
PAC-2707	Added ability to display when a controller is in "Degraded Mode" in status viewer
PAC-2739	Enable detailed operator logging by default on new installations
ID-331	Implement Secure Channel OSDP connection for TS Readers
ID-581	Support Silent Mode for OSDP TS Readers

Bug Fixes

Reference ID	Summary
PAC-2495	Fixed problem when leading/trailing space in Policy and EKU fields caused Scheduled Certificate checks to fail
PAC-2568	Improved security by quoting Velocity service paths
PAC-2676	Fixed Enrollment Manager issue where card data fields were not shown properly when changing card type
PAC-2779	Changed default logging type to reduce number of small log files
PAC-2915	Fixed issue where newly added credential template is not listed until refreshed
PAC-2987	Fixed issue where Forgive pass back may generate internal service error event in Event Viewer
PAC-2426	Fixed issue with VCCS Update that appeared to hang if Velocity Services account password was entered incorrectly
PAC-2548	Fixed erroneous "Unknown Property: CHUIDCertificate_base64" message in VelocityPivCertCheck.log file
PAC-2552	Fixed issue where VCCS Service will not start in non-FICAM mode
PAC-2560	Fixed issue where Door Group refresh takes you to the top of the list instead of keeping you on the door group you were on
PAC-2581	Fixed issue where checking "Reset Encryption" on a TLS port generates thousands of alarms very quickly
PAC-2659	Fixed issue where Zone names modified in the Customization Manager are not reflected in Who's Inside

PAC-2663	Fixed erroneous upgrade message "SQL Server 2017 is recommended...." displayed when SQL Server 2019 is already installed
PAC-2670	Fixed issue where FICAM user summary report shows 4 entries (one for each certificate) for every FICAM user
PAC-2674	Fixed issue where Activate Credential option does not download the credential at the selected date and time
PAC-2680	Fixed issue where video service stopped if the Velocity Services account was not camel case
PAC-2698	Fixed issue where changing protocol to XNET3 on SNIB2 and then setting it back to XNET2 will cause controller to not come online
PAC-2701	Globalized Zone groups do not refresh when global credential management is disabled
PAC-2792	Fixed issue where when not in FICAM Mode, the Profile option was displayed after clicking on the "Clear" button
PAC-2836	Fixed issue where Credential Template refresh takes you to the top of the list
PAC-2867	Fixed issue where on some Windows 10 stand-alone systems DIGITRAC Service did not automatically start when computer was rebooted
PAC-2880	Fixed issue where updating from a pre-license version of Velocity (i.e., 3.6SP3) without first entering a valid license would prevent updating to 3.7SP3 even after obtaining a new license. Note this fix the issue when updating from pre-license version of Velocity directly to 3.8.
PAC-2910	SQL Manager prompt on client needs rewording to avoid inadvertent installation.
PAC-2940	Error opening Graphics if no permission to see any maps
PAC-2995	Improves host command execution response for TLS connected controllers

Known Issue

Reference ID	Summary
PAC-2746	Velocity update can now be run manually on Client **Note**: this is required when updating to 3.8.0 from Velocity 3.6 or 3.7 as the 3.6/3.7 client does not know how to automatically update from a 3.8 version of the server. Once the client has been updated to 3.8 it will be able to update automatically for future releases.
PAC-3010	In some environments the Velocity installer is unable to connect to the remote SQL server immediately. Therefore, after installing Velocity the Velocity database on a remote SQL server, it is recommended that the SQL server be restarted before installing Velocity on the Application server.