



Velocity v3.8.6.151 Release Notes

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Overview

The Velocity 3.8.6 release includes support for the new TS ScrambleFactor three factor reader (biometric/PIN/card), event modifications, alarm management, and enhancements to increase reliability, ease of installation, and usability.

KEY FEATURES IN THIS RELEASE:

Introducing TS ScrambleFactor Reader Support: Velocity 3.8.6 unlocks seamless compatibility with the TS ScrambleFactor reader series. The recently released SF.3 reimagines secure entry for the federal market with a fingerprint sensor, LCD touchscreen, virtual keypad, using smart card contact or contactless modes. The ScrambleFactor enables multiple authentication methods to deliver unparalleled security, speed, and functionality.

Assurance Mode TS Reader and SF.3 Seamlessly configure compatible RS-485 reader assurance levels directly from Velocity. While using the new RS-485 reader firmware, operators can swiftly and securely make changes to their system. This feature requires TS APP FW 4.0 or newer (including SNIB3 v04.02.1554 and CCM v8.3.00.073 or newer).

Unknown Credential Recognition: Velocity 3.8.6 includes a new feature for the Event Viewer that identifies unknown credentials presented at a reader if the credential used **exists** in the Velocity Database.

Experience Extended Exploration: Velocity 3.8.6 now extends the initial Velocity software activation duration from 30 days to 90 days.

Streamlined Update Process: Version 3.8.6 streamlines the update process for both hardware and software. Plus, when updating Velocity itself, our enhanced update tool offers flexible options such as 'Retry', 'Ignore,' or 'Abort' in response to any installation errors, empowering operators to resolve issues swiftly without restarting the entire update process.

Authentication Method Events: Enjoy elevated event monitoring with the SNIB3 v04.02.1554, which will be able to send messages regarding the authentication method at time of access to an Mx controller. Use these new authentication event notifications to gain valuable insights for enhanced security operations on site.

OSDP/Wireless Lock Detection: Improve installer's experience with the SNIB3 v04.02.1554, newly enhanced detection capabilities. Now, the SNIB3 can automatically detect OSDP or wireless readers, and relay this information back to Velocity. This will provide faster installations and reduce configuration times.

Multiple Windows Domain Support: Updates for systems using Active Directory for Velocity Operators in the AD Velocity Users account across multiple domains.

Enhanced Camera Management: With Version 3.8.6, enjoy added convenience in camera management. Operators can now easily filter cameras by name or address within the Administration window, simplifying workflow and boosting efficiency.

IMPORTANT INSTALLATION NOTES:

Before updating to Velocity 3.8.6 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 3.8.6 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.

Both new installations of Velocity 3.8.6 and upgrades to Velocity 3.8.6 require **Microsoft SQL Server 2017** or later. Velocity 3.8.6 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 (2017 or 2019) of SQL Server, before doing a new Server installation of Velocity 3.8.6. If you already have SQL Server 2017 or 2019 installed on your server, the Velocity 3.8.6 Installer detects and uses your full edition of SQL Server for the Velocity database.

CAUTION: Velocity 3.8.6 requires Microsoft SQL Server 2017 or later.

IDENTIV GLOBAL SERVICES INTEGRATIONS

For End Users that currently have Velocity integrations developed by Identiv Global Services (IGS), please contact your Regional Sales Manager for compatibility assistance when updating to Velocity 3.8.6 or email sales@identiv.com.

System Requirements

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

Hardware Requirements

In summary, the minimum hardware requirements for a computer performing the role of a Velocity 3.8.6 Server, Workstation and Client are listed here.

For Velocity Server:

- x64 3.40 GHz CPU (or equivalent)
- 32GB RAM (64GB RAM recommended for large systems)
- RAID 1 Configuration Recommended
- 1TB HDD (or equivalent)
- 1 Ethernet port

For Velocity Workstation and Client:

- x64 3.30 GHz CPU (or equivalent)
- 16GB RAM
- 512GB HDD (or equivalent)
- 2GB video card
- Speakers (recommended)
- 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 3.8.6 for the different computer roles.

System Role	Versions of Windows supported
Velocity Server	<ul style="list-style-type: none">• Windows Server 2022• Windows Server 2019• Windows Server 2016
Velocity Workstation or Client	<ul style="list-style-type: none">• Windows Server 2022• Windows Server 2019• Windows Server 2016• Windows 11 Pro• Windows 10 Pro

Note: Operating System versions which Microsoft no longer officially support 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.

Both new installations of Velocity 3.8.6 and upgrades to Velocity 3.8.6 require **Microsoft SQL Server 2017** or later. Velocity 3.8.6 provides you with the option to install the free Express edition of Microsoft SQL Server 2019.

If you are updating an existing installation of Velocity to the 3.8.6 release the Installer detects the version of the database server and will not proceed for unsupported SQL versions.

In Velocity 3.8.4 the Velocity Updater would still allow you to update with certain older versions of SQL Server even though they were not officially supported. **This is no longer the case in 3.8.5 and on.**

CAUTION: Velocity 3.8.6 requires Microsoft SQL Server 2017 or later.

Software Firmware Requirements

Product	End of Sale	End of Service	Firmware Version
Velocity 3.8.6	N/A	N/A	CCM/CCMx 8.3.00.073 SNIB2 6.52 SNIB3 04.02.1554
Velocity 3.8.5	N/A	N/A	CCM/CCMx 8.3.00.073 SNIB2 6.52 SNIB3 04.01.0384
Velocity 3.8.4	N/A	N/A	CCM/CCMx 8.2.01.28 SNIB2 6.52 SNIB3 04.00.0088
Velocity 3.8.3	N/A	N/A	CCM/CCMx 8.1.00.02 SNIB2 6.52 SNIB3 03.02.1006
Velocity 3.8.2	N/A	N/A	CCM/CCMx 8.0.01.046 SNIB2 6.52 SNIB3 03.01.1028
Velocity 3.8.1	N/A	N/A	CCM/CCMx 8.0.00.059 SNIB2 6.52 SNIB3 03.00.1197
Velocity 3.8.0	N/A	N/A	CCM/CCMx 7.6.46 SNIB2 6.52 SNIB3 02.07.1047
Velocity 3.7	April 2020	N/A	CCM/CCMx 7.6.43 SNIB2: 6.52 SNIB3: 02.05.1032

Hardware / Firmware Versions

Product	End of Sale	End of Service	Firmware Version
SNIB3, RREB	N/A	N/A	Current SNIB3 Version: 04.02.1554
Mx-1/2/4/8	N/A	N/A	Current CCM Version: 8.3.00.73
SNIB2	N/A	N/A	Current SNIB2 Version: 6.52
AEB8, REB8, MEB	N/A	N/A	N/A
M64	March 2020	April 2022	Current CCM Version: 8.3.00.73
M1N, M16	March 2020	April 2022	Current CCM Version: 8.3.00.73
M2, M8, MSP-8R	December 2017	December 2019	Current CCM Version: 8.3.00.73
XBOX, SNIB	December 2018	December 2020	N/A
DL1, SCIB	April 2014	June 2016	N/A

CAUTION: If you have an Mx controller running a CCMx firmware version earlier than 7.5.28, you must first upgrade to version 7.5.28 before you download version 8.3.00.73 to that controller. Downloading version 8.3.00.73 to an Mx controller running CCMx firmware version earlier than 7.5.28 will lock up that controller.

Compatible Versions of Integrations or optional Components

The following table shows the compatible version of integrations or optional components for Velocity 3.8.6:

Component:	Compatible build for Velocity 3.8.6
Velocity Web Services Client (VWSC)	3.8.6.100 (included)
Velocity Video Integration framework: <ul style="list-style-type: none">● Plug-in for Velocity Vision● Plug-in for Milestone● Plug-in for Bosch VMS● Plug-in for Unified American Dynamics	1.3.10.140 1.3.10.132 1.3.10.92 1.3.10.80
Velocity Certificate Checking Service (VCCS)	3.8.5.33
Cisco Unified Call Manager (CUCM) Integration	3.6.11.79
Velocity Intrusion Detection System (IDS) Framework: <ul style="list-style-type: none">● Plug-in for Bosch IDS● Plug-in for DMP IDS	1.0.3.198 1.0.3.71

Latest Versions of FICAM Approved Components

The following table shows the compatible builds of the software components in Identiv's 13.02 FICAM Solution, corresponding with Velocity's most recent approvals.

FICAM Software Component:	Compatible build for Velocity 3.8.5
CCM firmware	8.3.00.073
<ul style="list-style-type: none"> • SNIB3 firmware • OS component • Driver component 	04.01.0384 01.04.0002 03.01.0000
uTrust TS Government reader firmware	2.4.647
Velocity	3.8.5
Velocity Web Services Client	3.8.5
Velocity Certificate Checking Service (VCCS)	3.8.5
Veridt Reader Firmware	02.03.00.00

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.

Velocity 3.8.6 Reference Tickets

This section explains the individual reference tickets to track the current feature modifications, software improvements, new features, and other updates in Velocity for v3.8.6. The reference ID is on the left and the ticket summary is on the right.

For access to the Velocity and Hirsch public documentation page visit:

<https://identivdocs.atlassian.net/wiki/spaces/HBI/overview>

Reference ID	Summary
PAC-7590	Improved the Velocity Update experience by providing the option to Retry, Ignore or Abort in response to an error installing or updating the Velocity Web Client. Previously the Velocity update would also fail which prevented using the Velocity thick client interface.
PAC-7503	Extended the Velocity demo license duration from 30 days to 90 days.
PAC-7424	Added SNIB3 application firmware and OS versions compatibility checking for future SNIB3 releases which will prevent operators from downloading SNIB3 Firmware or an OS that may not be compatible.
PAC-6934	Added Role support for the new TS ScrambleFactor tab in reader component.
PAC-6925	Added feature to identify an unknown credential presented at a reader (when the credential does not exist in the controller) if the credential is in the Velocity Database. The resulting event in Event Viewer will now display the name of an existing credential if the credential data matches a record in the Velocity database.
PAC-6921	Added ScrambleFactor keypad style preview and selection. Added support for ScrambleFactor logo and background imports.
PAC-6916	Added camera filtering by name or address in the Administration window.
PAC-6462	Added support for new TS ScrambleFactor reader and capability to detect reader TRN capabilities and resolve differences during configuration.
PAC-5083	Added TS APP FW version to reader properties.

PAC-7794	Fixed an issue where the CCM sent incorrect threat level data.
PAC-7732	Changed wording of Alarm 5931 to refer to download failure of both OSDP reader firmware or image download for TS ScrambleFactor readers.
PAC-7633	Fixed issue where Status Viewer controllers sometimes don't fully populate after an update.
PAC-7561	Fixed an issue where Reports - Admin scheduled tasks for Print Reports are not running on the scheduled time.
PAC-7486	Fixed issue that prevented operators that were not part of the Velocity Administrators Role to plot CSR objects. CSR objects may now be plotted if the operator belongs to an operator group that has CSR "View General Tab" permissions.
PAC-7483	<p>Improved the Velocity login authentication experience in complex nested Active Directory configurations where Velocity could not determine if the Operator logging on to Velocity is a member of the Velocity Users group (or equivalent).</p> <p>Note: The Operator must still belong to the Windows Velocity Users group or equivalent to gain access to the Velocity database.</p>
PAC-7430	Fixed issue where applying a Velocity update may break the Intelli-Check Driver License Scanner integration. This was caused by moving IDCheckLicense.txt from the Velocity installation folder to the ProgramData folder.
PAC-7422	Fixed intermittent scheduled reports issue.
PAC-7356	Fixed issue that caused messages from cameras with a comma in the name to be lost.
PAC-7334	Fixed issue where events for adding trigger events were not fully displayed when Trigger Functions were set as cameras.
PAC-7319	Fixed issue introduced in 3.8.5 that caused controllers communicating via SNET serial communication to not login properly resulting in events being pulled from controllers but not being able to send commands to the controllers.
PAC-7286	Improved event reporting for Video Service by displaying Video Service connected/disconnected events when service starts and stops.
PAC-7274	Fixed issue starting the Velocity client where an operator would receive an "Access Denied" message if the Velocity Users Group was located in a nested OU in the Active Directory.

PAC-7251	Improved logging to assist in troubleshooting download errors caused by file access errors.
PAC-7250	Fixed issue with backend Photo callup processing that could make Web Photo Call-Up processing appear to freeze when there was a temporary underlying database connectivity issue.
PAC-7238	Improved recovery processing between DIGI*TRAC service and Security Domain Service when there is a communication issue detected. The Security Domain Service will now, in addition to generating an alarm, disconnect from the DIGI*TRAC service if a communication problem is detected between the two services. This change will force the DIGI*TRAC service to go into recovery mode and reconnect to the Security Domain Service. Previously the Security Domain Service would only report the DIGI*TRAC service unresponsive alarm, which could, in some cases, lead to the system remaining in an unresponsive state for an extended period of time.
PAC-7234	Fixed issue during Velocity installation when a script error would silently be logged to the log file but the installation would appear to have completed successfully. Now if there is a script error during installation, the installation will fail.
PAC-7170	Fixed issue where Port would erroneously report offline due to Velocity incorrectly responding to a controller's data available notification message. This condition only occurred in rare circumstances, depending on timing.
PAC-7133	Improved Security Domain Service: buffer messages internally to better handle peak loads, save unprocessed messages on service shutdown and enable real-time monitoring via Microsoft Performance Monitor using the "Velocity SD Service Counters" counter group.
PAC-7131	Fixed issue where Velocity would allow switching to a new operator that is disabled.
PAC-7128	Added new event data by appending authentication source for transactions such as (CAK), (PAK), or (PAK+BIO).
PAC-7082	Improved Security Domain Service to disconnect from the DIGI*TRAC Network Service if a communication delay is detected. This is in addition to generating the "DT service not responding" alarm that occurs in previous releases of Velocity. This change will force the DIGI*TRAC Network Service to go into recovery mode (pause polling of hardware) until communication to the Security Domain Service can be reestablished.
PAC-7055	Removed "Log Off Windows" from Velocity client menu.
PAC-7054	Fixed issue where Status Viewer did not always show correct OSDP reader status when controller first connects.

PAC-7028	Fixed issue where DIGI*TRAC Miscellaneous Message "User Unknown" did not report in the Velocity Event Viewer. Event 8057 added to display Credential Unknown in the Event Viewer.
PAC-6987	Fixed issue on Windows 10 where printing or previewing a badge with pure black portions in the image the black parts could appear as transparent.
PAC-6864	Added a new feature to prevent consecutive alarms for misconfigured or defective hardware.
PAC-6546	Improved system auditing by adding events to notify when a video system connects and disconnects.
PAC-6377	Added feature where the License Manager continues searching for Velocity Licenses even if it finds an existing one to support clustered environments.
PAC-6187	Added global option to allow or cancel alternate assurance level time zone while in Degraded Mode. Note: PACS-PIN is not affected by this setting.

Known Issues

Reference ID	Summary
PAC-6980	<p>Known Issue where a master SNIB2 controller with downstream SNIB1 controllers may on occasion have trouble reconnecting after a network disconnect. Disabling and re-enabling the port in Velocity will reconnect the master controller and downstream controllers.</p>
PAC-7896	<p>Known issue updating client computers on resource constrained systems.</p> <p>When starting the Velocity Client on a client computer where the server has been updated to a newer version of Velocity, the client will attempt to automatically update itself. This process extracts the update from the server database which, on some resource constrained clients, may fail.</p> <p>Restarting the client computer and starting Velocity usually allows the client update to complete.</p> <p>If the client auto-update still fails to update correctly then you can manually run the Velocity update on the client computer.</p>
PAC-8110	<p>Known issue where Velocity License Manager (VLM) might return different ServerIDs if the Server computer uses different languages for various accounts. To avoid this problem all Windows accounts that log into the server should be set to the same Windows Display Language.</p>
PAC-7881	<p>Non-ASCII characters are displayed as question marks in Event Viewer and Alarm Viewer</p>

Deprecated Features

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

Feature / Function	Release Deprecated	Hidden in Velocity	Removed from Velocity
Dial-Up support for controllers	3.8.3	3.8.5	3.9
Legacy DVR	3.8.3	3.8.5	n/a
Legacy Bosch Central Station Receiver	3.8.3	3.8.5	n/a
Edge Evo integration	3.8.4	3.8.5	3.9
New Controller Load setups from controller	3.8.4	3.8.5	3.9
VSCM Settings Advanced Synchronize Velocity database with controllers	3.8.4	3.8.5	3.9
Credentials Biometric Tab	3.8.4	3.8.5	3.9
SNET with host SNIB1	3.8.6	3.9.0	3.9.1

SOFTWARE SUPPORT AGREEMENT:

Before updating to Velocity 3.8.6 from a pre-Velocity 3.7 release, you must register your Velocity system. For currently supported products, support sunset is calculated from the latest version release date. The latest and previous versions of relevant firmware and software are included in each release.

Patches and updates are only available for the most recent supported versions. For example, Velocity 3.8.x and 3.7 are currently supported, with 3.7 support remaining for 6 months after Velocity 3.9.0 is released.

All customers currently on an active SSA will continue to receive software updates and technical support until their expiration date.

Please contact your RSM or sales@identiv.com for more information.