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Overview

The Velocity 3.8.1.2648 release includes these new features:

- Support credential database located in SNIB3
- Role based permissions to Time Zones (standard, master and grand master)
- Restrict time zone reports according to Role permissions
- Added "Contact Trace Report"
- Secure Open Supervised Device Protocol (OSDP) event messages from Readers
- Batch Viewer tool supports diagnosing credential download issues when the Credential Database is in SNIB3
- Code sign all Velocity integration components
- New tool to assist obtaining Velocity 3.8.1 compatible licenses

IMPORTANT INSTALLATION NOTES:

Before upgrading to Velocity 3.8.1 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 or 3.8 to 3.8.1 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 3.8.1 require Microsoft SQL Server 2016 or later. Velocity 3.8.1 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 3.8.1.

If you already have SQL Server 2016, 2017, or 2019 installed on your server, the Velocity 3.8.1 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 3.8.1.

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 3.8.1 Server, Client, or Workstation are the same as for the Velocity 3.8.0 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 3.8.1 for the different computer roles.

System Role	Versions of Windows supported by Velocity 3.8.1
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 3.8.1 require SQL Server 2016 or later. Velocity 3.8.1 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 3.8.1 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 3.8.1	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: 3.00.1197
Mx-1/2/4/8	N/A	N/A	Current CCM Version: 8.0.00.059
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: 8.0.00.059
M2, M8, MSP-8R	December 2017	December 2019	Current CCM Version: 8.0.00.059
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 3.8.1

Component:	Compatible build for Velocity 3.8.1
Velocity Web Services Client	VWSC v3.8.1.498 (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	1.3.8.69 1.1.8.280 1.1.8.117
Edge EVO Controller Integration	1.0.4.334
Cisco Unified Call Manager (CUCM) Integration	3.6.11.61
Bosch IDS plugin	1.0.1.147

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 3.7 SP2
CCM firmware	7.6.43.06
<ul style="list-style-type: none"> • SNIB3 firmware • OS component • Driver component 	02.05.1030 01.04.0002 01.05.0002
uTrust TS Government reader firmware	2.2.528
Velocity	03.06.011.1863
Velocity Web Services Client	3.6.11.266
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.

Bug Fixes

Reference ID	Summary
PAC-1876	Controller's Forgive All Users context menu not updating Who's Inside.
PAC-2136	An error is generated while changing the number of UDF fields from its default value 36.
PAC-2188	Deleting from Master Door Group with a very large credential population may time out.
PAC-2542	Change Licensing scheme to avoid Server ID changes when hardware/VM Host configuration changes.

PAC-2600	Execution failed controller disabled software event does not contain hardware address.
PAC-2625	Selected person moves into a different Person Group when it is modified the first time.
PAC-2715	WAN connected controllers may not show offline status when DIGI*TRAC Service is shut down.
PAC-2750	Velocity Online Help Topics "SNIB3 Firmware update" and "TS firmware update" Help topics do not take the user to the correct page.
PAC-2780	Velocity 3.7 SP3 removed the Velocity Security Domain Service dependency from the Velocity DIGI*TRAC Network Service.
PAC-2812	Velocity Installer and Updater will now allow operators the option to proceed if the SysAdmin check fails to detect SQL SysAdmin privileges.
PAC-2853	Poor WAN connection could cause TLS connected controllers to incorrectly report Encryption broken.
PAC-2895	Door transaction resulted in the event "Unhandled internal error: - 2147217833 -Arithmetic overflow converting expression to data type nvarchar" shown in Event Viewer.
PAC-2926	Enrollment Manager - Show Last Access for Credentials does not reflect Event ID 2013 -Access Partial Grant (two-person rule or visitor rule).
PAC-2947	Door name for Exit Reader is not displayed in Who's Inside.
PAC-2948	Who's Inside HTML report does not show persons from "Outside Zones".
PAC-3005	Velocity fails to install on SQL 2017 Standard Edition with default instance name.
PAC-3008	Updating Threat Level name in Velocity Server updates incorrect Threat Level in the Velocity Clients.
PAC-3012	Velocity DIGI*TRAC Configuration reports do not follow Role permissions.
PAC-3028	The Initiate Secure OSDP Connection button incorrectly displays for MX1-W Controller.
PAC-3042	Identiv Velocity Web Service does not uninstall.
PAC-3043	Event ID 5916 "Unknown XMsg: XMSG47 Unknown Secure OSDP error..." does not display the Reader Number.
PAC-3054	Some Time Zones that were in use could still be deleted.
PAC-3057	Updating Virtual Machine's CPU and Memory configuration could cause the Server ID to change.

PAC-3070	Selecting 100K people and trying to view their credentials caused an Enrollment Manager error.
PAC-3110	Missing "MS Sans Serif" font causes installation error.
PAC-3119	"Query Timeout" occurred attempting to add Door Group to Master Door Groups referenced by a large number of credentials.
PAC-3125	Diagnostic Window is not displaying Port Message "Socket closed by SNIB" correctly.
PAC-3136	Under high network traffic DIGI*TRAC Service may crash while downloading SNIB3 firmware.
PAC-3151	On the Controller Download Forgive Users context menu, Who's Inside window is not updated.
PAC-3163	Enrollment Manager may timeout for very large user databases.
PAC-3171	Adding a Message Queue Writer generates errors.
PAC-3212	"DIGI*TRAC server is not responding" event may occur when force downloading hundreds of credentials from a multi-credential display list.
PAC-3222	Client update failed if previously installed shared components could not be registered.
PAC-3256	The Scheduled certificate check events and VCCS start/stop events are not displayed in Event Viewer.
PAC-3313	Add support for non-fatal error messages during unattended client updates.
PAC-3325	Velocity scheduled report fails after adding the 8th consecutive door to the Transaction Log by Transaction Type Report.
PAC-3342	Credential added to Person Group shows only in the Everyone Group.
PAC-3354	An erroneous "Outdated SNIB2 version detected" message may be generated when SNIB3 comes online in some environments.
PAC-3362	Person added from Person template to new Person Group only shows in the Everyone Group and Credentials added to it do not display.
PAC-3367	Download Completed message of downstream controller have incorrect address in Event Viewer.

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 file2) 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>