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Overview

The Velocity 3.7 SP2 release includes support for new features:

- Support for TLS v1.2 encryption protocol for communications between SNIB3 and Velocity
- Support for random UID cards
- Faster firmware downloads to uTrust TS readers with TS FW v2.2
- Improved performance of Velocity when connecting through RemoteApp session
- [Improvements and Bug Fixes](#)

Support upcoming add-on releases:

- Cisco Call Manager as an Add-on
- 3VR integration as an Add-on

This document also summarizes the [System Requirements](#).

IMPORTANT INSTALLATION NOTES:

- **Before upgrading to Velocity 3.7 SP2 (from a Velocity 3.6 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 to 3.7 should 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 3.7 SP2 require Microsoft SQL Server 2014 or later. Velocity 3.7 SP2 provides you with the option to install the free Express edition of SQL Server 2014. If this Express edition is not adequate for your needs, then you must install a licensed edition of a supported version (2014, 2016, or 2017) of SQL Server, before doing a new Server installation of Velocity 3.7 SP2.
 - If you already have SQL Server 2014, 2016, or 2017 installed on your server, the Velocity 3.7 SP2 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 3.7 SP2.**

System Requirements

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

Hardware Requirements

In summary, the hardware minimum requirements for a computer performing the role of a Velocity 3.7 SP2 Server, Client, or Workstation are the same as for the Velocity 3.7 release. Here are the detailed hardware requirements for each role.

For VEL-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 VEL-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, fast disk read/write speeds, and a high-end video card 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 supported versions of Windows by Velocity 3.7 SP2.

Computer role:	Versions of Windows supported by Velocity 3.7 SP2
VEL-SERVER	<ul style="list-style-type: none"> • Windows Server 2016
VEL-EXPRESS (Workstation, Client)	<ul style="list-style-type: none"> • 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 3.7 SP2 require SQL Server 2014 or later. Velocity 3.7 SP2 provides you with the option to install the free Express edition of Microsoft SQL Server 2014.

If you are updating or upgrading an existing installation of Velocity to the 3.7 SP2 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 SP2, 2014, 2016, or 2017 installed on your server, the Velocity 3.7 SP2 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 3.7	N/A	N/A	CCM: 7.6.43.06 (D*T and Mx) SNIB2: 6.52 SNIB3: 2.05.1030
Velocity 3.6	July 2018	N/A	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: 2.05.1030
Mx-1/2/4/8	N/A	N/A	Current CCM version: 7.6.43.06
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: 7.6.43.06
M2, M8, MSP-8R	December 2017	December 2019	Current CCM version: 7.6.43.06
XBox, SNIB	December 2018	December 2020	N/A
DL1, SCIB	April 2014	June 2016	N/A

- **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**

Compatible Builds of Integrations or Optional Components

The following table shows the compatible builds of integrations or optional components for Velocity's recent releases.

Component:	Compatible build for Velocity 3.7 SP2
Velocity Web Services Client	3.6.11.589
Hirsch Video Integration framework:	
plug-in for 3VR	1.3.6.30
plug-in for Aventura	1.1.6.472
plug-in for Unified American Dynamics	1.1.6.245
plug-in for Cisco VSOM	1.1.6.85
Edge EVO Controller Integration	1.0.3.3

The following table shows the compatible builds of the software components in Identiv's 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
SNIB3 firmware	02.05.1030
OS component	01.04.0002
Driver component	01.05.0002
uTrust TS Government reader firmware	2.2.528
Velocity	03.06.011.1863
Velocity Certificate Checking Service (VCCS)	3.6.11.266
Veridt Reader Firmware	7.20.18

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 3.7 SP2 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 for TLS v1.2 encryption protocol for communications between SNIB3 and Velocity

Velocity Client software supports Microsoft RemoteApp or Citrix Virtual Apps which dramatically decreases the cost of deploying, maintaining and updating the software through application virtualization. For information about this feature, see the [FAQs about TLS](#) Knowledge Base article.

Support for random UID cards

Newer access control smart cards may implement a random UID as designed in ISO/IEC 14443. The random UID feature prevents snoopers from tracking you. The feature is common in smartphones which support NFC, and credit cards.

Faster firmware downloads to uTrust TS Readers with TS FW v2.2

Update installed readers with Velocity to support new features, change card format support, or move to the newest ScramblePad, over OSDP RS-485.

Improved performance of Velocity in a virtual application configuration

Better performance for enterprise customers with XenApp and RemoteApp/MS RDS. Application virtualization technology allows customers to deliver specific applications, securely, within their enterprise to users on any platform, anywhere - without exposing an entire virtual desktop.

Other improvements and bug fixes

Reminder - Velocity Licensing

Coinciding with the Velocity 3.7 release, all customers and certified Hirsch/Identiv dealers will need to register their Velocity systems to continue receiving Support and access to the latest software release and announcements. To register your Velocity system, follow the [Registration Link Here](#).

Starting with the Velocity 3.7 release, all Versions of Velocity REQUIRE licensing. **Velocity Express** edition and **Velocity Server** edition replaces the previous editions of Velocity (Velocity Unlimited Edition and Velocity FED Unlimited Edition).

- The **Express** edition supports up to 32 modules, with Velocity running on a standalone workstation.
- The **Server** edition initially supports up to 64 modules, one Velocity Server, and 10 Thick Clients.

Velocity license modules are NOT required for user credentials or browser-based Web Client connections.

Velocity Improvements and Bug Fixes

Reference ID	Summary
PAC-373	Updated Velocity Help to navigate users to the correct link on the SNIB3-Import Wizard help page
PAC-844	Updated Velocity Help to include additional content for Wireless Locks
PAC-961	Added support for Toggling PIN requirement via relay
PAC-1015	Updated to latest FIPS 201 FRTC for FICAM Compliance
PAC-1084	Added support for additional card formats in TS Readers
PAC-1108	Added support for Operator specific Toolbar Configurations when using RemoteApp
PAC-1109	Enhancements to multi-client syncing to support RemoteApp
PAC-1264	Support for TLS v1.2 Encryption between Velocity and SNIB3
PAC-1320	Improved Diagnostic Window performance while monitoring SNIB
PAC-1340	Improved credential downloading functionality for expired credentials
PAC-1345	Improved performance of Velocity Web Services Client installer when browsing Active Directory for a Service Account
PAC-1361	Support for Left or Right justify card data based on uTrust TRN setting
PAC-1362	Improved firmware update speed and FICAM certificate data transfer rate in TS Readers
PAC-1403	Enhanced Master Door Group logging
PAC-1409	Updated Velocity licensing system to use the core Velocity license expiration date for managing updates to add-on licenses.
PAC-1436	Fixed a Velocity update issue where duplicates records of the same update were recorded. Only the latest update installation is recorded now.
PAC-1464	Extended the Velocity Certificate Checking Service (VCCS) to support ignoring specific credentials during the scheduled checks
PAC-1472	Linked Velocity EULA agreement to Identiv public EULA https://www.identiv.com/legal/end-user-license-agreement/

Velocity 3.7 SP2 Release Notes

PAC-1476	Fixed issue with expansion points not displaying current status correctly in status viewer when view is refreshed
PAC-1502	Fixed issue with inconsistencies of Memory Battery status messages in status viewer
PAC-1524	Fixed issue with Base and Expansion relays not displaying correctly in Status Viewer
PAC-1535	Optionally unlink FASC-N pass-through match code from any disabled or revoked credential
PAC-1538	Enhanced scheduled certificate checking in Velocity FICAM to ignore known expired or revoked credentials unless the certificate status changes
PAC-1543	Fixed error messaging when Device Control tab in Velocity Web Services Client is selected
PAC-1544	Added Version and Copyright information to About tab in Velocity Web Services Client
PAC-1687	Improved performance for Status Viewer launch time
PAC-1697	Fixed issue where SDServer debug monitoring could show invalid data
PAC-1706	Fixed error in Enrollment Manager that prevented saving CAC card in non-FICAM Mode
PAC-1763	Fixed Velocity Client machines showing License information
PAC-1980	Fixed issue with Velocity Diagnostic Window while CCM Update is in progress