

# Infinity<sup>®</sup> Gateway Suite

**WARNING**

For a full understanding of the performance characteristics of this software, the user should carefully read the Instructions for use and these Release Notes before use.

**Release Notes  
Software VF9.1, VF9.1.1**



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## End-user software release notes

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This document describes the VF9.1 software versions for the Infinity® Gateway Server PC. Software VF9.1 adds software enhancements, performance enhancements, and addresses limitations identified in preceding software versions. VF9.1.1 corrects a certain issue.

"Infinity Gateway VF9.1 software enhancements"

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## Infinity Gateway VF9.1 software enhancements

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The VF9.1 software release provides the following software enhancements:

- Data protection on the Infinity Network using the new Infinity Network Security Architecture
- Encryption and authentication of the Infinity Protocol
- Support for Microsoft Windows Server 2022
- Support for Microsoft SQL Server 2022 (Standard and Express)
- Support for Hyper V
- Increased Network Time To Live (TTL) from 8 to 64
- Added IP Allow list on Infinity and hospital interfaces
- Support for TLS 1.2
- Improved password requirements
- And other cybersecurity changes

## Infinity Gateway VF9.1.1 software enhancements

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The VF9.1.1 software release provides the following software enhancements:

- Code signing of the executables and the Gateway installer for integrity protection and authentication.

- Support for AppLocker to allow customers to enforce implementation of Dräger-signed software.

## Other updates

As part of the VF9.1 release, the following functionalities were removed from Infinity Gateway:

- Removed support for Service Oriented Device Connectivity (SDC) (MS40047) and IHE Alarm Interface (MS40053)
- Removed support for Infinity PatientWatch (MS22853)

## Infinity Gateway VF9.1 corrected issues

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### NOTE

These are the issues resolved with the VF9.1 release.

- When the HL7 message conversion in the ADT interface is configured for setting name, the converted message displays Last and Middle names in the Last name column.
- Infinity Gateway HL7 Lab export does not allow you to configure a remote LIS server.
- The Tick Time displays "0" for waveform samples when using the remote WvAPI set-up tool.
- The "account" user name is appended with special characters when the Gateway user or Database user password is revised.
- During uninstall of the application, HL7 service cannot be stopped.
- List of domains does not transfer to client.
- Swedish Pager/Alarm History is not translated properly.
- WvGwCfg About box is not formatted properly.
- Message from LabSim/Remote LabSim not sent.
- Incorrect Patient ID type in outbound vital signs message for monitor without ID and configured for MRN.
- Alarm History displays "Cannot connect to server" on client machine.
- Calendar does not display for Alarm History start and end dates.
- Get HIS skips weight sometimes.
- Infinity Gateway time master does not work properly on startup of Infinity Gateway service.
- Alarm History configuration does not reflect the Alarm History option status.

## Infinity Gateway VF9.1.1 corrected issues

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### NOTE

These are the issues resolved with the VF9.1.1 release.

- WvGetData does not return proper ST data from the bedside monitor.

## Hardware, software compatibility and labeling

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### Software compatibility

Infinity Gateway Suite VF9.1 software has been validated with the following devices and software versions.

- Infinity Acute Care System (IACS) including M540 VG7.1.1 and VG8 (Legacy Dual mode)
- Infinity Acute Care System (IACS) including M540 VG8 (Secure mode only)
- Infinity CentralStation (ICS) VG3.0.1 through VG5.0 (Legacy Dual mode)
- Infinity CentralStation (ICS) VG4.0 and VG5.0 (Secure mode only)
- Infinity M300/M300+ VG2.4 or greater (Legacy Dual mode)
- Infinity M300/M300+ VG3 (Secure mode only)
- Infinity Delta Family\* VF9.0.1 and VF10.1 (Legacy Dual mode only)

\*Infinity Delta Family includes Infinity Delta, Delta XL, Kappa, Omega, and Omega S.

### Known limitations

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### NOTE

These are unresolved software issues.

- ASTM Stat Lab Interface connected to a Serial port on Infinity Gateway does not send data to bedside/ASTM service restarts when lab data is sent serially.
- Pager notice is incorrect when starting PagerControl.
- If adjunct modes are set on a Medibus.X ventilator, the text of the adjunct mode(s) combination with the ventilator mode is chopped in WvAPI if it is more than 19 characters.
- Lab Import character mapping Default value for Unicode characters is unable to update.

- The Alarm History Database webviewer application fails to support Spanish translation of the following message: "Maximum number of records exceeded. Please narrow the search criteria."
- The Infinity Gateway software generates an ALL\_AVAILABLE alarm pager message that may be longer than the user-configured page formatted in PagerControl. This may cause the page to be truncated.
- IHEDBModify allows a user to map 2 different Infinity parameters to the same IHE Parameter code, if they have HL7 vital signs enabled with the IEEE option.
- The Infinity Gateway system allows unencrypted credentials to be received on the API when using a socket connection.
- PagerSim unpredictably crashes within several minutes of start-up while running Pager verification tests.
- The Database (DB) Export tool is not outputting the following database tables: t\_pager\_beds, t\_pager\_provider, and t\_metricReflds.
- The Sniffer tool does not show multicast messages for the AGS Service and AGS Vent Service multicast protocols, and occasionally crashes
- WvGw does not properly detect when a bed no longer has clients that require a PDS.
- The WvGetParameterValue interface returns vent settings as enumerated values instead of the original string format.
- Two minor issues noted with TLS Fuzz testing: 1) Some of the sessions closed by the tool were unable to close. 2) Memory leaks were caused by the unclosed sessions.
- When an M300 telemetry device is not configured in the Infinity Gateway routing table, the Infinity Gateway Service (WvGw) restarts when the user attempts to access the M300 demographic info in the WvAPI tool.
- When Infinity Gateway is uninstalled through Windows, some artifacts like the Alarm History folder are unintentionally not removed.
- The InfinityGateway app is uninstalled by Windows Installer, even when a user selects "No" on the confirmation pop up box confirming the uninstall.
- If the user runs setDbCredentials before CreateDb during Gateway setup in WvGwCfg, Cantonese text displays above the error message the "CreateDb must be run before setDbCredentials."
- Infinity Gateway unexpectedly crashes and restarts during NameService fuzz testing in Legacy mode.
- When using the WvAPITest tool to retrieve arrhythmia settings from a connected Infinity bedside, and an error occurs, an error message does not appear and the dialog does not populate. Not seen in WvAPI.



## Training recommendations

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The VF9.1 Instructions for Use (IFU) can be downloaded from Service Connect. Dräger, the manufacturer of Infinity Gateway Suite, recommends that clinicians as well as those responsible for setting up and servicing devices read all Instructions for Use manuals prior to employing the system in the care of patients.

Dräger will provide product training specific to the software enhancements and upgrades referenced in this letter, enabling your organization to fulfill the requirements of local regulations. Contact your Dräger representative for details.

## Trademarks

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Mentioned trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to [www.draeger.com/trademarks](http://www.draeger.com/trademarks) to find the current status.

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These release notes only apply to  
**Infinity® Gateway Suite VF9.1, VF9.1.1**  
with the Serial No.:



If no Serial No. has been filled in by Dräger,  
these instructions for use are provided for  
general information only and are not intended for  
use with any specific machine or unit.



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