



Waters™

# NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7

## Release Notes

# Large-scale installation notice

**Important:** For large-scale deployments, we strongly recommend that you contact your Waters representative during the planning of an installation or upgrade, and complete the recommended pre-installation documentation to establish the needs of your organization. Failure to properly install and configure this software may result in errors or in the software not operating as intended.

# General information

## Copyright notice

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## About these release notes

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This document contains information about the features and functions introduced, changed, or removed in this version of the product. It contains a list of major feature changes as well as descriptions of known issues (concessions), resolved issues, and observed product behaviors that Waters deems of importance to customers. This document does not include:

- An exhaustive list of all changes to this version of the product
- Descriptions of issues that were not known to Waters at the time of the product's release
- Descriptions of issues that cannot be reproduced by Waters
- Information about customer requests for enhancements to the product
- Specific details of changes to proprietary aspects of product components, features, computational algorithms, and software code

The changes listed in this document are relative to the most recent previous version of the product. If you are updating an older version of the product, review the release notes for all the intervening versions to ensure that you understand the cumulative impact of the product changes.

Carefully review the information in this document before the product is installed. If you have questions about how installing this product might affect your environment or if you need more information about this product, contact your Waters representative.

## GxP compliance requirements and information

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This section does not apply for this release of the product.

## Antivirus considerations

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Some real-time virus scanners mistake normal data acquisition and instrument control for virus activity, and thus interfere with proper operations. Full-system scans and live updates can be network-intensive, disk-intensive, and CPU-intensive, and they can also interfere with normal data acquisition. Schedule scans and updates for idle times when data acquisition does not occur.

Certain antivirus program features such as "intrusion prevention", "tamper protection", and "heuristic analysis" can also interfere with normal operation. If you observe issues with the software, review and verify the antivirus logs. It may be necessary to white-list any affected components.

## Compliance recommendations

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Any time you install, change, or uninstall software or system modules in a regulated environment, Waters recommends that you follow your organization's approved change control procedure.

You should assess the impact of the changes described in the release notes on the qualification status and validation for the intended use of your system, including any impact on personnel, methods, laboratory workflows, or connected equipment, and scale your activities accordingly.

## Contacting Waters

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Contact Waters with technical questions regarding the use, transportation, removal, or disposal of any Waters product. You can reach us through the Internet, telephone, or conventional mail.

Contact method	Information
<a href="http://www.waters.com">www.waters.com</a>	The Waters website includes contact information for Waters locations worldwide.
iRequest	iRequest is a secure Web service form that allows you to request support and service for Waters instruments and software or to schedule a planned service activity. These types of support and services may be included as part of your maintenance plan or support plan. You may be charged for the requested service if you do not have appropriate plan coverage for your product.  <b>Note:</b> In areas managed by authorized distributors, iRequest may not be available. Contact your local distributor for more information.
Local office contact information	For worldwide locations, telephone and conventional mail information is available at the <a href="#">Local Offices</a> website.
Corporate contact information	Waters Corporation 34 Maple Street Milford, MA 01757 USA From the USA or Canada, phone 800-252-4752.

## Customer comments

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We seriously consider every customer comment we receive. Help us better understand what you expect from our documentation so that we can continuously improve its accuracy and usability. To report any errors that you encounter in this document or to suggest ideas for otherwise improving it, reach us at [tech\\_comm@waters.com](mailto:tech_comm@waters.com).

## Updated information

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To check for updates to this document, go to the Waters website ([www.waters.com](http://www.waters.com)), click **Support > Support Documents and Downloads**, and then use the Search function to find the document number shown at the bottom of this page.

## Naming convention

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Starting with NuGenesis LMS 9.0, the naming convention for the projects is NuGenesis LMS XX.YY.ZZ.QQ, where:

- XX = Major release version (for example, NuGenesis 9.YY.ZZ.QQ - major version 9)
- YY = Feature Release number (for example, NuGenesis 9.0.ZZ.QQ - major version 9, Feature Release 0)
- ZZ = Service Release number (for example, NuGenesis 9.0.1.QQ - major version 9, Feature Release 0, Service Release 1)
- QQ = Hotfix number (for example, NuGenesis 9.0.1.3 - major version 9, Feature Release 0, Service Release 1, Hotfix 3)

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# NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7

This document describes NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 updates.

## Introduction

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NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 contains the same data adapters as the previous version of the product, NuGenesis LMS 9.3.0 SDMS Data Adapters Release 6, and will replace it for the existing NuGenesis LMS 9.0.x, NuGenesis LMS 9.1, and NuGenesis LMS 9.2 customers. It supports English, Chinese, Japanese, and Korean languages.

## New features in this release

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This document outlines the updates and features planned for inclusion in NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 as of the time this document was published.

1. The administrator can decide whether archived empty Empower projects are subject for deletion or not.
2. The SCC (Service Configuration Console) was modified to add a new option to the Data Management page, the “Empty Empower Projects capture by Archive Agent can be deleted by Data Management” option. When selected, the projects are marked as subject for deletion and deleted when the time is past the UTC Data Management candidate date and records are updated to reflect this.
3. Security enhancements were considered so that, when Data Adapters and Instrument Agents are installed, the end points allow access only to that intended data and cannot be further exploited.

## NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 software components and version compatibilities

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The NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 project is compatible with NuGenesis LMS SDMS 9.3.1 Revision B up to the current released version.

## Contents of the product media

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NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 software is available as a download from the Digital Delivery platform.

## Issues resolved in this release

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This section lists the problems resolved in this release. The numbers identify issues that Waters personnel monitor within a system change request tracking tool.

### INFLMS-22134 (CRI-3138)

Previously, after installing the Instrument Agents application, the existing antivirus software on the system may not have allowed running the application because it considered the *run.exe* file, found as an entry in the *SDMSAgent.xml* file, to be malware. Now, the *run.exe* file is no longer part of the InstallAnywhere Build script and the Instrument Agents application runs correctly.

### INFLMS-23872 (CRI-3541)

Previously, WebVision could not correctly display names containing multi-byte characters, such as Ää, Öö, and Üü. The issue was in the creation of the *.xml* file using the Instrument Agent. In cases with special characters, the information was not written in the *.xml* file and thus not stored in the database. Now, on the **RegExp Parsing** tab, you can select the **Use Regex Compilation Mode** check box in the Interface Configuration dialog box to apply the Unicode parameter to the regular expression pattern and display the names containing multi-byte characters correctly. Also, the old agent configuration that does not need to take multi-byte characters into account still works.

### INFLMS-27129 (CRI-4421)

Previously, when the NuGenesis archive server and Empower servers were in different time zones (for example, US Eastern Time and UTC), the archived Empower projects were not deleted within the time frame you configured in the File Capture Template Builder. Now, the archived Empower projects are deleted within the time frame you configured in the File Capture Template Builder.

### INFLMS-28073 (CRI-4835)

Previously, there were cases when, on remote systems (Empower client or server), if the date format was different than the English "Short Date" format, mm/dd/yyyy, the Archive Agent log file reported an error message, so the Empower System Audit Trail auto-archiving did not work. Also, this caused repetitive creation of the same *.MAA* file, and the application remained in an infinite

loop, never transferring any of the files to the TE\_TEMP folder on the file capture system. Now, the Empower System Audit Trail auto-archiving works correctly regardless of the date you set on the remote Empower computer.

## INFLMS-28892

Previously, when you installed the Instrument Agents application on a NuGenesis LMS 9.3.0 system where the *NGLocalProjectList* file contained an RPC location, the Instrument Agents application stopped responding and did not start. This occurred because when the Instrument Agents application launched, the login user interface read the *NGLocalProjectList* and, for each location in the *NGLocalProjectList*, it called into the Java SDK to obtain the list of servers. When it did this for an RPC location, it stopped responding. Now, the Instrument Agents application starts and works correctly.

## INFLMS-30091

Previously, an error appeared when archiving Empower projects if the following occurred:

- The File Capture template had the **Zip Files** option selected and the Empower project being archived had an .exp file larger than 345 MB, causing the OutOfMemory Exception to occur.
- The EnableCheckCRC registry key value was set to Y on the Data Adapters Empower remote computer and the Empower project being archived had an .exp file larger than 345 MB, causing the OutOfMemory Exception to occur.

Now, you can archive large Empower projects regardless of these situations.

## INFLMS-30328 (CRI-5153)

Previously, if an Oracle error occurred between the Empower Data Management Data Adapter and the Empower database when attempting to delete an Empower project, the associated record in the SDMS database was marked so that it would never again be considered a candidate for deletion. Now, the record is no longer marked in this manner and Data Management continues to attempt to delete the Empower project.

## INFLMS-30850 (CRI-5171)

Previously, when you tried to delete by means of the Data Management Module (DMM) an Empower project with descendants that was archived in the SDMS database, an error occurred and the DMM marked the project in SDMS WebVision as never a candidate for deletion. Now, the Empower project with descendants remains a candidate for deletion and the DMM determines whether you deleted the descendants, so you can then delete the project.

## INFLMS-31294 (CRI-5461)

Previously, in the Waters System Monitor Help, the version number in the title of the Help file and the version number on the About page were not consistent. Now, the Waters System Monitor Help no longer displays the version number, thereby making it version-agnostic.

## INFLMS-31464 (CRI-5424)

Previously, when you wanted to add nodes with the same name to Waters System Monitor (WSM) to monitor SDMS and LMS on the server, an error message appeared and the nodes could not be created. Now, you can add nodes with the same name (but with different node types) to WSM and they are visible on the Dashboard page when starting the SDMS and LMS agents.

## INFLMS-35033 (CRI-6638)

Previously, files captured during Daylight Saving Time (DST) using Data Adapters with Ignore Archive Bit enabled could be recaptured when DST transitioned back to Standard Time. Now, files are no longer recaptured when DST transitions back to Standard Time.

The generic Data Adapters no longer showing this issue are as follows:

- AB-MDS-SCIEX Analyst v1.2-1.7
- Agilent Chrom ChemStation v8.04
- Bruker XWIN-NMR v3.0 TopSpin v2.0
- Dionex Chromeleon v6.8 (PROXY)
- Dionex Chromeleon v6.8 (Remote)
- Dionex Chromeleon v7.2 (PROXY)
- Dionex Chromeleon v7.2 (Remote)
- NuGenesis Per File Data Adapter
- Thermo Finnigan Xcalibur v1.3 - 4.2
- Waters Corp. MassLynx
- Waters Corp. MassLynxLight

**Note:** Dionex Chromeleon v7.2 in the installation package is compatible with Dionex Chromeleon 7.3 application.

## INFLMS-37565 (CRI-6638)

Previously, files captured during Daylight Saving Time (DST) using the Data Adapters with Ignore Archive Bit enabled could be recaptured when DST transitioned back to Standard Time. Now, files are no longer recaptured when DST transitions back to Standard Time.

The Data Adapters no longer showing this issue are as follows:

- AB-MDS-SCIEX Analyst v1.2–1.7
- Agilent Chrom ChemStation v8.04
- Bruker XWIN-NMR v3.0 TopSpin v2.0
- Dionex Chromeleon v6.8 (PROXY)
- Dionex Chromeleon v6.8 (Remote)
- Dionex Chromeleon v7.2 (PROXY)
- Dionex Chromeleon v7.2 (Remote)
- Thermo Finnigan Xcalibur v1.3–4.2
- Waters Corp. MassLynx
- Waters Corp. MassLynxLight

**Note:** Dionex Chromeleon v7.2 in the installation package is compatible with Dionex Chromeleon 7.3 application.

## Known issues in this release

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This section lists the known issues and solutions for this release. The numbers identify issues that Waters personnel monitor within a system change request tracking tool.

### INFLMS-35772

When you create a file project, create a template using VPR:NuGenesis Technologies Corp. - Generic - 0 and a local scan path, and then archive more than 350 files and restore the archived files to their original location, an error appears.

**Solution:** Ensure that you do not restore more than 350 files.

## Upgrading to NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7

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Before upgrading to NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7, perform these actions:

- Close all open programs, including the NuGenesis RPC service.
- Stop all antivirus software.
- To prevent installation failure, verify that you are only installing Data Adapters into paths and directories containing English characters.

For more information on installing Data Adapters, see the *NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 Reference Guide* (715009013).

**Note:** The NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7 permits either installing the Release 7 from scratch or upgrading to it from the previous version.

## Test configurations

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The following test configurations in English and Chinese were used during the development and evaluation of NuGenesis LMS 9.4.0 SDMS Data Adapters Release 7. Each component is listed with the operating systems and third-party applications used.

**Important:** See the *NuGenesis LMS 9.0 - 9.1 SDMS Data Adapters Release 4 Reference Guide* (715006934), *NuGenesis LMS 9.0 - 9.1 Data Adapters Release 5 Reference Guide* (715007416), and *NuGenesis LMS 9.3.0 SDMS Data Adapters Release 6 Reference Guide* (715007870) for the minimum and recommended requirements for each component.

### Database server

#### Operating systems

- Windows Server 2019 Standard
- Windows Server 2022 Standard 21H2

### Application server

#### Operating systems

- Windows Server 2019 Standard
- Windows Server 2022 Standard 21H2

### NuGenesis LMS (SDMS) Client

#### Operating systems

- Windows 10 (64-bit) - Version 22H2
- Windows 11 (64-bit) - Version PRO 22H2

### Empower Server

#### Operating systems

- Empower 3.8.1 Server 2022 Standard, Office 365
- Empower 3.9.0

## Empower Client

### Operating system

- Empower 3.8.1 Client, Windows 11 (64-bit)
- Empower 3.9.0 Client, Windows 11 - Version 22H2