



1Integrate

Release Notes Version 4.3.0

19/03/2024

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Introduction

Scope

The purpose of the Release Note is to document the new functionality provided by the release and any known issues or limitations.

The Release Notes will also record any administrative instructions that are specific to this release and not recorded elsewhere.

Release Notes for previous 1Integrate versions are available [online](#).

For more information visit our [WebHelp](#) which includes Installation Guides, Quick Start Guides, worked examples and more.

Purpose of Release

A standard release of 1Integrate.

Migration Guidance

For users of previous versions, 1Spatial recommends the following before applying any changes to your live environment:

- Please read these Release Notes and the Installation Guide for your application server carefully before installing this release
- Ensure all running and paused Sessions are completed
- Back up your repository database
- Deploy the new version and test the release on your test platform

Please also pay attention to the [Notable Differences](#) section, which lists changes which may affect your existing processes or require changes to your configuration.

System Requirements

Operating Systems

This version of 1Integrate is supported on the following platforms.

OS	Notes/Caveats
Red Hat Enterprise Linux 8.9	
Windows Server 2022	Microsoft Visual C++ 2022 64-bit Redistributable packages Download from this link and pick vc_redist_x64.exe https://support.microsoft.com/en-gb/help/2977003/the-latest-supported-visual-c-downloads

Application Servers

1Integrate requires an application server and the following are supported.

Application Server	Notes/Caveats
Oracle WebLogic Server 14.1.1	Any Edition, must be pre-installed
WildFly 26.1.3.Final	Delivered as part of the 1Integrate installation

Java JDK

The supported Java 11 (64-bit) JDK depends on which application server you are using.

Application Server	Java JDK
Oracle WebLogic Server 14.1.1	Oracle JDK (jdk-11.0.22)
WildFly 26.1.3.Final	Eclipse Temurin (jdk-11.0.22+7)

Repository Database Platforms

A database is required to act as the 1Integrate repository to store configuration. The following database platforms are supported with the following restrictions.

Database	Restrictions
Oracle Database 19c R1 (Any Edition)	None
Microsoft SQL Server 2019	Only supported on WildFly application server.
PostgreSQL 12.4	Only supported on WildFly application server.
H2 Database Engine	This is intended for local, development work and will enable you to get started quickly. Warning: Do not use the default H2 database in production environments.

FME Flow (formerly FME Server) Integration

The FME Flow Data Store enables the transforming of data from a format that 1Integrate does not natively support into one that it does.

Component	API Version	Software Version
FME Flow	FME Flow REST API V3	2023.1

Containerisation Support

The containerisation and orchestration technologies that are supported.

OS	Notes/Caveats
Docker	Please contact 1Spatial support for access to a docker image
Kubernetes 1.28.3	To streamline the deployment of 1Integrate on Kubernetes, there is a published official 1Integrate Helm chart. For the Helm chart and other information, please see here: https://github.com/1SpatialGroupLtd/helm-charts

Web Browsers

1Integrate works with most of the recent versions of Edge, Chrome and Firefox. The specific versions that have been tested for this release are.

Tested Browsers
Microsoft Edge 122
Google Chrome 122
Mozilla Firefox 123

Other browsers can be used, but support requests can only be progressed if the issue can be replicated on a tested browser.

Release Details

Notable Differences in 4.3.0

- Autodesk DWG Data Store now supports the reading of block attributes
- Rule Description Metadata is now included in the 1SMS validation service results
- This version of 1Integrate supports the new 1SMS (v2.3) security model

Future Withdrawal Notices

- From 1Integrate 5.0 WebLogic will be withdrawn as an application server option

New Features in 4.3.0

ID	Description
MSINT-6127	Include Rule Description Metadata in the 1SMS validation service results
MSINT-6264	Non-conformance Report Data Store not reading task results from tasks run inside a Session Task Template
MSINT-6278	Support the new 1SMS security model
MSINT-6302	Allow Contextual Data Store to use non-spatial filters to pass in 1SMS job IDs
MSINT-6303	Add validateChanges SOAP endpoint next to validateRegion endpoint
MSINT-6318	Autodesk DWG Data Store: support reading block attributes
MSINT-6326	Upgrade to the latest Java
MSINT-6332	Autodesk DWG and Bentley Microstation V8 DGN Data Stores should display the file name in the UI
MSINT-6392	Upgrade to GDAL 3.8.4

Bugs Fixed in 4.3.0

ID	Description
MSINT-6296	WFS OAuth authentication option not working
MSINT-6315	In 1Integrate 4.2.0 a selection Built-in Operations don't display correctly
MSINT-6324	Long running engines showing native memory leaks
MSINT-6335	NullPointerException when refreshing some schemas that were created before 1Integrate 4.2
MSINT-6341	Selecting a value for a Named Lookup Value causes a white screen UI crash
MSINT-6346	'For All in Collection' in new rules author forces selection of a Class and rule is dramatically slower
MSINT-6368	Unable to obtain Action Map result as UI fails to display for particular logic or data value

Known Issues and Unresolved Bugs

ID	Description
MSINT-2628	Esri ArcGIS Server feature service returns GeoJSON in WGS84 regardless of data or 1Integrate SRS
MSINT-2681	ArcGIS WFS service returns error if non-spatial data is included
MSINT-6407	When Data Stores referenced in Session Task Templates are renamed, the changes are not propagated to Session API responses
	Unzipping the main 1Integrate zip file can fail using the built-in Windows "Extract All" facility due to a "Path too long error". Use a third-party zip program such as 7-Zip or extract the release to the top-level directory of a drive and move it afterwards to the desired location.

	Since 4.0.0 the Google BigQuery Data Store is no longer part of core 1Integrate. It is available as an extension. Contact 1Spatial if you need it.
	Since 4.2.0 the Contextual Data Store is no longer part of core 1Integrate. It is available as an extension. Contact 1Spatial if you need it.

Installation

Follow the instructions in the [Installation Guide](#) for your application server.

For most upgrades, 1Integrate will automatically upgrade the repository from the existing release on initial startup. Ensure that all running and paused sessions are stopped before upgrading, and we recommend creating a backup of the repository database first (as a database schema and from the Repository Administration tab in the Dashboard), as that repository will not be usable by older versions of 1Integrate once it has been upgraded.

Follow the installation guide to install the new release alongside the existing version and use the same database connection details for the repository. For WildFly installations the easiest way to configure is usually to copy the files from the SETTINGS folder from the old installation folder to the new installation folder, however, check the [release notes](#) as some versions (e.g. 4.0, 3.1, and 2.8.1) contain changes to the structure of the settings file and so cannot be replaced by the older settings file.

When the new version is started it will automatically upgrade the repository if necessary.

When performing an upgrade of 1Integrate on WebLogic (an uninstallation of an old version followed by the installation of a newer version) it is important to uninstall the existing version of 1Integrate using the installer that was packaged with that release. Using a newer, incompatible version of the installer will result in errors.

For example, if you are replacing 1Integrate v3.4.1 with 1Integrate v4.0, your steps will be:

1. Uninstall 1Integrate v3.4.1 with the installer packaged in the v3.4.1 release
2. Install 1Integrate v4.0 with the installer packaged in the v4.0 release

NOTE: For WildFly installations of 1Integrate, before going live in a production environment or exposing your environment externally, you should change/remove the default passwords defined within the users.properties file.

Product Documentation and Support

Documentation

To review product documentation such as Installation Guides, WebHelp and other release notes, please visit our website: <https://1spatial.com/documentation/1Integrate/>

Support

If assistance is required while deploying this release, contact either your distributor or 1Spatial Support.

To contact 1Spatial Support, please visit our website:

<https://1spatial.com/support-services/support/>

Training

Maximise the value of this release with 1Spatial foundation and advanced training courses.

For training enquiries please contact your Account Manager or email: training@1spatial.com