



# 1Integrate

## Release Notes Version 5.2.1

12/08/2025

Copyright 1Spatial Plc and its affiliates.

All rights reserved. Other trademarks are registered trademarks and the properties of their respective owners.

No part of this document or any information appertaining to its content may be used, stored, reproduced or transmitted in any form or by any means, including photocopying, recording, taping, information storage systems, without the prior permission of 1Spatial plc.

1Spatial  
Unit F7, Stirling House  
Cambridge Innovation Park  
Denny End Road  
Waterbeach  
Cambridge  
CB25 9PB  
United Kingdom

Phone: +44 (0)1223 420414

Fax: +44 (0)1223 420044

Web: [www.1spatial.com](http://www.1spatial.com)

Every effort has been made to ensure that the information contained in this document is accurate at the time of printing. However, the software described in this document is subject to continuous development and improvement. 1Spatial Plc reserves the right to change the specification of the software. 1Spatial Plc accepts no liability for any loss or damage arising from use of any information contained in this document.

## Contents

---

Introduction .....	3
Scope.....	3
Purpose of Release.....	3
Migration Guidance .....	3
System Requirements .....	4
Operating Systems .....	4
Java.....	4
Repository Database Platforms .....	4
FME Flow (formerly FME Server) Integration .....	4
Containerisation Support.....	4
Web Browsers .....	5
Release Details .....	5
Notable Differences in 5.2.1 .....	5
Future Withdrawal Notices.....	6
New Features in 5.2.1 .....	6
Bugs Fixed in 5.2.1 .....	6
Known Issues and Unresolved Bugs.....	6
Installation .....	8
Product Documentation and Support.....	9
Documentation .....	9
Support .....	9
Training .....	9

# 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 9.5+	
Windows Server 2022	Microsoft Visual C++ 2022 64-bit Redistributable packages Download from this link and pick vc_redist_x64.exe <a href="https://support.microsoft.com/en-gb/help/2977003/the-latest-supported-visual-c-downloads">https://support.microsoft.com/en-gb/help/2977003/the-latest-supported-visual-c-downloads</a>

### Java

Java JRE
OpenJDK 21 – tested against latest available Eclipse Temurin at time of release (21.0.8+9-LTS)

### 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	None
PostgreSQL 16	Due to default permission changes since v15, the public schema is not recommended for the 1Integrate repository.
H2 Database Engine	This is intended for local, development work and will enable you to get started quickly. <b>Warning: Do not use the default H2 database in production or test environments.</b>

### 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 the docker containers

<b>Kubernetes 1.33.2</b>	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: <a href="https://github.com/1SpatialGroupLtd/helm-charts">https://github.com/1SpatialGroupLtd/helm-charts</a>
--------------------------	--

## Web Browsers

1Integrate works with the latest versions of Edge and Chrome.

## Release Details

---

### Notable Differences in 5.2.1

#### Functional Enhancements

- Added the ability for the **Session Map Viewer** to be able to reconstruct Coordinate Reference Systems from a data source's WKT-CRS (if provided) if the data source's CRS was unrecognised.
- The **copy\_attributes** built-in operation now includes safe type conversions for numeric source attributes, streamlining data transformation workflows. The following safe type conversions are now supported by the operation:
  - Real to String
  - Integer64 to String
  - Integer to String
  - Integer to Real
  - Integer to Integer64

Attributes that do not match or are listed in the ignore list are left unchanged.

If other attribute type conversions or more complex schema mapping are required, use a Schema Transformation task

- Expanded Esri Field Type** support for Esri File Geodatabase, Esri Shapefile, and OGC GeoPackage data stores. The following additional field types are now supported:

Source Type	Target Mapping Type
esriFieldTypeBigInteger	Integer64
esriFieldTypeRaster	Binary

#### Non-Functional Enhancements

- Security Enhancements:** Component library dependencies updated ensuring alignment with current security standards and mitigating potential vulnerabilities.
- WildFly 37.0.0. Final** - Upgraded bundled WildFly application server

### Critical Bug Fixes:

- Resolved a critical regression in 1Integrate preventing session completion when the schema of a geometric feature class has been extended through base class inheritance after load.

### Future Withdrawal Notices

The following Built-in Functions will be withdrawn from 1Integrate 6.0.0:

Built-in Function	Alternative
http_request	http_request_v2
make_2d	change_dimension
make_3d	change_dimension
get_session_parameter_value	'Session Parameter Value' within the Rule Builder

### New Features in 5.2.1

ID	Description
MSINT-7054	Session data viewer now supports a larger number of coordinate reference systems and has improved resilience.
MSINT-6851	copy_attributes Built-in: Support Safe Type Conversions
MSINT-6599	Support for esriFieldTypeBigInteger and esriFieldTypeRaster in ESRI based file datastores
MSINT-7132	Upgrade WildFly 37

### Bugs Fixed in 5.2.1

ID	Description
MSINT-5307	Renaming an object when an object is in an unsaved state will force a user to discard their changes.
MSINT-7073	GeoPackage Commit and Copy to - Uploading non-zipped. gpkg input file generates an invalid zip output file
MSINT-7146	Failure to define 'preferred_geometry' when base class is loaded after inherited class
MSINT-7035	Map viewer does not display features in GDA2020/ Australian Albers projection

### Known Issues and Unresolved Bugs

ID	Description
MSINT-7170	Regression since 5.0.0 - Loss of user entity changes - Editing an object which has been moved by another user causes the save button to be unresponsive and changes cannot be saved
MSINT-7140	Cannot run a folder of rules or actions (or action maps) against Singleton class when no other classes are loaded in the session
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
	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.
	Due to network latency issues, the combination of shared cache and files on disk for Kubernetes based deployments is not recommended for production. This can cause issues writing to certain file formats, e.g. GeoPackage and other file corruption issues



## 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 tab in the Administration page of the 1Integrate UI)**, 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. 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.

**NOTE: For 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](mailto:training@1spatial.com)