



1Integrate

Release Notes Version 4.4.0

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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 8.10	
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-11.0.24)
WildFly 26.1.3.Final	Eclipse Temurin (jdk-11.0.24+8)

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 the docker containers
Kubernetes 1.29.4	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 127
Google Chrome 127
Mozilla Firefox 128

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 4.4.0

- Autodesk DWG Data Store now supports Copy To
- Enhancements to the read capabilities of the Autodesk DWG Data Store
- Improved session start performance
- 1Integrate no longer tracks the UI state in local storage. This will avoid the need for users to periodically clear their browser's local storage when working with large and complex rules
- New Administration page in the UI and the service status now appears in the header
- A new http_request_v2 built-in with a new parameter to control the return of status codes

Future Withdrawal Notices

- From 1Integrate 5.0 WebLogic will be withdrawn as an application server option
- The `http_request` built-in is deprecated and will be withdrawn in a future version of 1Integrate. It is recommended that you upgrade to the `http_request_v2` built-in as soon as possible.
- The `make_2d` and `make_3d` built-ins are deprecated and will be withdrawn in a future version of 1Integrate. It is recommended that you upgrade to the `change_dimension` built-in as soon as possible.

New Features in 4.4.0

ID	Description
MSINT-3822	A new <code>http_request_v2</code> built-in with a new parameter to control the return of status codes
MSINT-5546	SQL Server and MariaDB Data Stores - new parameters 'CRS Sample Size' and 'Dimension Sample Size' that will speed up the schema refresh
MSINT-6227	<code>true_distance()</code> improvement for anti-podal cases
MSINT-6289	Make the Schema Validation JSON report downloadable from the task report
MSINT-6319	AutoCAD DWG Data Store - include the ability to Copy To
MSINT-6377	Ability to use Session Parameters in the Workspace/Version field of supported tasks
MSINT-6411	Create a new Administration page split out from the Dashboard
MSINT-6419	Resource Picker lists - don't load all the resources on initial load
MSINT-6503	AutoCAD DWG Data Store does not expose all expected attributes
MSINT-6504	AutoCAD DWG Data Store only lists string attribute types
MSINT-6513	AutoCAD DWG Data Store should load insert points
MSINT-6514	AutoCAD DWG Data Store - read the COLOR values as per the AutoCAD color index
MSINT-6517	AutoCAD DWG Data Store - Objects from paper space should not be loaded on Layer 0
MSINT-6521	Do not track UI state in local storage. This will avoid the need for users to periodically clear their browser's local storage when working with large and complex rules.
MSINT-6545	Update the supported Java patch releases to the latest
MSINT-6549	SQL Server and MariaDB Data Stores - ensure that we can always read the CRS
MSINT-6550	Extent restrictions should work if a Data Store has a CRS Override
MSINT-6565	Improve session load performance by only loading each Data Store's details once on session start
MSINT-6656	A new <code>settings.properties</code> parameter to allow Data Store destination files to be zipped using zip64 (use if you need to output files larger than 4GB)

Bugs Fixed in 4.4.0

ID	Description
MSINT-6040	Unable to backup a resource with an ampersand or comma in the name
MSINT-6111	The field length displayed is +1 than the actual field length for gdal_real64
MSINT-6308	ArcGIS Server Data Store Fails to Write NULL
MSINT-6314	Unable to load FGDB schemas when the casing of subtype attribute names and class attribute names is different
MSINT-6321	Unable to select base class in an Open Data task when using a reference Data Store
MSINT-6367	Unable to rename a resource in a folder that shares the same name
MSINT-6407	When Data Stores or Actions referenced in Session Task Templates are renamed, the changes are not propagated to Session API responses
MSINT-6429	Map Viewer: Parsing hotspots error on locales with commas as decimal places
MSINT-6434	Non-Conformance tooltips are no longer appearing for the Conformance results chips
MSINT-6463	Fix 1Integrate access token automatic refresh on WildFly
MSINT-6481	Unable to add a 'Rule Template' to an Action
MSINT-6489	Schema Validation should not require Copy To details to be configured
MSINT-6515	Issue inserting Action Templates into conditional predicates
MSINT-6516	AutoCAD DWG Data Store - Layers From XREF-ed drawings should not be included in the schema mapping
MSINT-6532	Loop over Nearest Operation incorrectly names the geometry child node as 'count'
MSINT-6568	Named Lookup Value reading leaves open file handles behind
MSINT-6576	Standard Superclasses run on the wrong objects when combined in the same task

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
	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.
MSINT-6213	1Integrate Copy To mapping not taking database PKs into account during refresh preventing Data Store save
MSINT-6293	Restoring a data store based on a different custom encryption key causes the restore to fail

MSINT-6586	Spamming the paste option in the navigation pane a few times can cause the creation of an exponential amount of resources
MSINT-6630	Attempting to export custom class created features on an existing data store writes 0 features

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