1Spatial Management Suite

Release Notes
Version 3.0.0

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Introduction

Scope

The purpose of the Release Notes 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.

For more information visit our WebHelp which includes Installation Guides, Troubleshooting, Configurations and more.

Purpose of Release

A standard release of 1SMS.

1SMS 3.0.0 Components

The following table lists the versions of all the components that make up 1SMS 3.0.0. They have all been developed and tested together for compatibility.

Component	Version	Notes/Caveats
1SMS WebLogic Installer	3.0.1	
1SMS WebLogic Custom Providers	1.0.0	Unique to this release
1SMS WildFly Installer	3.0.1	
1Workflow Worklist	3.0.0	
1Workflow Flow	3.0.0	
1Plan	3.0.0	
1Exchange	3.0.0	
1Transact	3.5.0	
1Integrate	4.3.0	
Contextual Data Store	4.3.0	A 1Integrate Data Store
1Exchange Snowflake Wrapper	1.1.0	Allows 1Exchange 3.0 to work with the Snowflake components from 1SMS 2.3

System Requirements

Hardware

The minimum and recommended system requirements for 1SMS are as follows:

- Minimum of 12Gb RAM (16Gb recommended)
- Minimum of 8 CPU cores (16 recommended)
- Hardware is dependent on required response times and throughput. Heavily used multi-user systems will need higher server specifications.

For more information about each component, please visit:
https://1spatial.com/documentation/1SMS/Topics/System_Requirements.htm

Operating Systems

This version of 1SMS 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 vcredist_x64.ex https://support.microsoft.com/en-gb/help/2977003/the-latest-supported-visual-c-downloads

Application Servers

1SMS 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
Oracle WebLogic Server 12.2.1.4	Any Edition, must be pre-installed (1Workflow only)
WildFly 26.1.3.Final	Automatically downloaded by the installer or can be manually provided

Java JDK

The supported Java JDK depends on which application server you are using.

Application Server	Java JDK
Oracle WebLogic Server	Oracle JDK (jdk-11.0.23)
WildFly	Eclipse Temurin (jdk-11.0.23+9)

Database Platforms

The following database platforms are supported with the following restrictions.

Database	Restrictions
Oracle Database 19c R1 (Any Edition)	None
PostgreSQL 10.11	1Transact only

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 are published official 1SMS Helm charts. For the Helm charts and other information, please see here: https://github.com/1SpatialGroupLtd/helm-charts

Web Browsers

1SMS components work 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 126
Google Chrome 126
Mozilla Firefox 127

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 3.0.0

- Move to Java 11 for all components (except 1Workflow)
- Ability to define a No-operation policy in 1Exchange
- Overhaul 1SMS security model to be JWT based
- Adjust REST and SOAP endpoints so they all fall under the main product path, e.g. soapview/ExchangeService & restview/api are now 1exchange/soap/ExchangeService & 1exchange/rest respectively
- Support change-driven jobs that have no defined extent but still have their changes validated
- Installation helm charts now available for 1SMS

New Features in 3.0.0

ID	Description
MSCOMMON-1005	Update to WildFly 26
MSCOMMON-1050	Update to Java 11
MSCOMMON-1064	Ability to define a No-operation policy in 1Exchange
MSCOMMON-1071	1SMS jobs can have no extent
MSCOMMON-1074	Update 1SMS to use 1Integrate v4.3.0
MSCOMMON-1146	Ability to distribute docker containers for each 1SMS component (except 1Workflow)
MSCOMMON-1085	Create and publish installation Helm charts for kubernetes
MSCOMMON-1098	Provide endpoint to make it easier to return a given user's jobs
MSCOMMON-1148	New security model: Use JWTs to secure REST + SOAP APIs in 1SMS
MSCOMMON-1155	1Exchange: Use separate property for the snowflake callback URL
MSCOMMON-1157	1Plan: Add property to be able to optionally override the job metadata REST endpoints with a specific URL
MSCOMMON-1193	Homogenise all API endpoints
MSCOMMON-1203	Remove the Snowflake apps from 1Exchange
MSCOMMON-1204	Remove Snowflake configuration from the WebLogic installer
MSCOMMON-1205	Remove Snowflake configuration from the WildFly installer
MSCOMMON-1206	Update the WebLogic Installer to expose options for configuring external Snowflake URLs
MSCOMMON-1212	Build custom WebLogic authentication provider and role providers to support the new security model
MSCOMMON-1215	Update WebLogic installer to configure the new custom authentication and role mapping providers
MSCOMMON-1383	Update Workflow to call the new validateChanges endpoint in 1Integrate when the job has no extent
MSCOMMON-1409	1Exchange: Separate concept of Snowflake callback URL and REST base URL
MSCOMMON-1417	Update the WildFly and WebLogic installers to "install" any Snowflake translation config files into the domains during Exchange installs
MSCOMMON-1443	Refresh 1SMS access tokens if they expire within the next 1 hour/1 day
MSCOMMON-1523	Add /1plan/rest/jobs/history/{jobId} to Swagger docs

Bugs Fixed in 3.0.0

ID	Description
MSCOMMON-1032	Account lockouts occurring regularly
MSCOMMON-1527	Unable to install more than 2 1Integrate engines to WebLogic for 1SMS

Known Issues and Unresolved Bugs

ID	Description
MSEXCHANGE-901	On Wildfly, If the server is shut down when trying to apply changes uploaded to a job then the job gets stuck in uploaded.
MSEXCHANGE-897	On Wildfly, 1Exchange fails to extract features if they contain a non-printable character (e.g. backspace) in a string attribute.
MSEXCHANGE-688	There is no restriction on a worker being able to delete a workflow managed job through the Exchange UI.
MSEXCHANGE-657	You need to refresh the browser to see newly deleted package disappear on a clustered environment
MSEXCHANGE-656	You need to refresh the browser to see newly created package on a clustered environment
MSEXCHANGE-655	UI: You need to click on a package to update its status correctly
MSEXCHANGE-645	Exchange should return an error if it finds the incorrect geometry type in the GML file
MSEXCHANGE-637	UI: Submit features button not visible until changes attachment is added
MSEXCHANGE-632	UI: No adaptor details are shown in the Policy Metadata
MSEXCHANGE-631	No validation on the FME Adaptor URL on the admin page
MSEXCHANGE-622	Unable to remove previous GO Publisher products when configuration is wrong, and a job gets stuck
MSEXCHANGE-618	Improve consistency of timestamp logging in Exchange.log
MSEXCHANGE-617	UI: Slide out panel causes display issues when the browser is not maximised
MSEXCHANGE-607	temporary files created in ExchangeRestServiceImpl.java do not get cleaned up
MSEXCHANGE-606	Logging in to the admin page redirects to the main UI
MSEXCHANGE-494	Unable to submit secondary geometry points if the srsDimension is not set on the point
MSEXCHANGE-485	UI: Exchange Policy not remembered when extracting multiple times
MSEXCHANGE-425	Race condition when starting multiple instances of 1Exchange at the same time
MSEXCHANGE-423	Logs filled with harmless 'NullPointerException in PublishCallbackProxy.setStatus'
MSPLAN-791	Automatic job name creation complains when using empty custom metadata fields. (Workaround is to click on the field to confirm it as empty before saving job)
MSPLAN-790	Remove Title field from Automatic Job Name Generation options
MSPLAN-789	Add Feedback to the user on the admin page if adding an invalid wmts (currently only happens when viewing map)

MSPLAN-787	No feedback to the user when they try to zoom to a point outside the map extents and nothing happens
MSPLAN-773	Copy search results fails if selecting overlapping jobs
MSPLAN-709	On a clustered environment, starting multiple plan servers at the same time results in job search not working. A workaround is to start the services one after the other.
MSPLAN-666	Use of arrow keys in the "search results table" pans the map.
MSPLAN-646	No validation on planning and start dates when editing a digitized job.
MSPLAN-505	Cannot Select user by typing into the user field.
MSPLAN-480	Pinch-zoom resizes user interface in Firefox.
MSPLAN-466	The stylus does not allow you to select an item from a drop list.
MSPLAN-423	Starting to create a job before existing jobs have loaded results in your new job being lost.
MSPLAN-416	When entering bounding box details if you scroll the page, the default values stay.
MSPLAN-413	Improve the message received by the user when using incorrect search syntax.
MSPLAN-408	Gazetteer search should have the same behaviour as job search when no matching items are found.
MSPLAN-373	Cannot finish job digitising on touch screen.
MSPLAN-371	UK date format hardcoded in the UI.
MSPLAN-265	No feedback when base layers are loading.
MSCOMMON-228	JVM memory parameters set by installer may be ignored by WebLogic server
MSTRANSACT-408	refreshWorkspace does not record exceptions in the log
MSTRANSACT-407	Occasional fail to merge due to open or deadlocked transactions during refreshWorkspace
MSTRANSACT-326	SOAP Web service requires that callback URLs are passed as HTML URL-encoded strings.
MSTRANSACT-303	Better API and better support for read-only database nodes by creating a fixed-name diff view for each activated table with a function to set the difference checkpoints.
MSTRANSACT-324	Add a SOAP call to get Versions and Checkpoints information
MSTRANSACT-344	Activating a table containing rows fails if checkpoint 1 does not exist
MSTRANSACT-345	Cannot activate a table with only one column
MSWORKFLOW-542	Thousands of jobs assigned to one user cause 1Worklist to Run out of heap space.
MSWORKFLOW-541	GrowExtents callback is called twice on failure.
MSWORKFLOW-215	Performance issue in Worklist service looking up a user's group name.
MSWORKFLOW-334	Edited child job extents are not applied for validation of ancestor jobs.
MSWORKFLOW-340	Parent job rolled back to 'Downloaded', but child jobs left as 'Completed'.

MSWORKFLOW-215	Performance issue in Worklist service looking up a user's group name.

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/Hub/1SMS.htm

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/