



Release Notes



1Exchange

Version 1.1.108

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1 Introduction

1.1 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.

1.2 Purpose of Release

This is a standard maintenance release of 1Exchange.

1.3 System Requirements

1.3.1 Operating system

- Microsoft Windows Server 2012
- Oracle Linux 6.7

1.3.2 Hardware

Minimum hardware configuration:

- Minimum of 4Gb RAM
- Minimum of 2 CPU cores
- Hardware is dependent on required response times and throughput. Heavily used multi-user systems will need higher server specifications, please contact 1Spatial support (see below) for guidance on server configurations.

1.3.3 3rd Party Software

1.3.3.1 Database

- Oracle Database 11g Release 2
- Oracle Database 12c Release 1

1.3.3.2 Application Server

- Oracle WebLogic Server 12c 12.1.3 (recommended with patch 17754607 applied, which upgrades JPA to 2.1)

Note: 1Exchange must be installed on a domain **without** SOA components installed

1.3.3.1 Browser Support

This product works with most of the recent versions of Chrome, Firefox and Internet Explorer. The specific versions that have been tested for this release are:

Browser
Microsoft Internet Explorer 11
Google Chrome 56
Mozilla Firefox 47.0.1

Other browser clients may be used, but support requests will only be progressed if the issue can be replicated on a supported browser.

2 Release details

The following sections provide a description of this release of 1Exchange.

2.1 New Functionality in this release

1.1.107	
MSEXCHANGE-839	New 1SMS online help accessible from all products
1.1.104	
MSCOMMON-497	Remove redundant JDK selection from installer and warn users when installing into a domain having an unsupported Java version.
1.1.103	
MSCOMMON-540	Support for Oracle Linux 6.7
MSEXCHANGE-804	Allow 1Exchange to have multiple policies that work with different database schemas

2.2 Bugs Fixed in this release

1.1.107	
MSEXCHANGE-838	Change GML packages are overwritten irrespective of filename.
1.1.106	
MSEXCHANGE-835	20559: Exchange package creation fails when uploading attachment that already exists: Now replaces existing attachments with the same name.
1.1.105	
MSEXCHANGE-822	The Admin UI is not showing the configured FME URLs
1.1.104	
MSCOMMON-556	Authentication Provider Setup is failing to connect to a SSL enabled Admin Server because is not possible to set the protocol to t3s. (Note, the SSL trust certificate must be installed in JDK or WebLogic trust store before installing the authentication providers or the connection to WebLogic will hang indefinitely with no feedback)
1.1.100	
MSCOMMON-444	Improve resilience by removing the dependency on having a constantly running AdminServer
MSINT-169	Support Java 1.7 update 80
1.0.107	
MSEXCHANGE-746	UI for entering job extraction min and max extents should present the fields in a + shape.
MSEXCHANGE-721	Growing job extents fails when features to grow are points
MSEXCHANGE-723	MBRs passed in to the the UI and SOAP API are not validated
MSEXCHANGE-728	Starting 1Exchange when there are no GP or GL configurations or adaptors causes incorrect error message
MSEXCHANGE-726	When loading data via the adaptor, need to pass in both gml and modified

	versions of the extracted data to help when creating the change-only file.
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2.3 Known Issues and Unresolved Bugs

ID	Description
MSEXCHANGE-246	Can only extract extra referenced features two steps away
MSEXCHANGE-253	Add more error message in callback response.
MSEXCHANGE-423	Logs filled with harmless 'NullPointerException in PublishCallbackProxy.setStatus'
MSEXCHANGE-425	Race condition when starting multiple instances of 1Exchange at the same time
MSEXCHANGE-485	UI: Exchange Policy not remembered when extracting multiple times
MSEXCHANGE-494	Unable to submit secondary geometry points if the srsDimension is not set on the point
MSEXCHANGE-606	Logging in to the admin page redirects to the main UI
MSEXCHANGE-607	temporary files created in ExchangeRestServiceImpl.java do not get cleaned up
MSEXCHANGE-617	UI: Slide out panel causes display issues when the browser is not maximised
MSEXCHANGE-618	Consistency of timestamp logging in Exchange.log could be better
MSEXCHANGE-622	Unable to remove previous go publisher products when configuration is wrong and a job gets stuck
MSEXCHANGE-631	No validation on the FME Adaptor URL on the admin page
MSEXCHANGE-632	UI: No adaptor details are shown in the Policy Metadata
MSEXCHANGE-637	UI: Submit features button not visible until changes attachment is added
MSEXCHANGE-645	Exchange should return an error if it finds the incorrect geometry type in the GML file
MSEXCHANGE-655	UI: You need to click on a package to update its status correctly
MSEXCHANGE-656	You need to refresh the browser to see newly created package on a clustered environment
MSEXCHANGE-657	You need to refresh the browser to see newly deleted package disappear on a clustered environment
MSEXCHANGE-680	Cannot login to Exchange (or any other components) in IE9 if browser is on a Windows Server machine that has IE Enhanced Security Configuration enabled.
MSEXCHANGE-688	There is no restriction on a worker being able to delete a workflow managed job through the Exchange UI

2.4 Upgrading from a previous release

Due to an issue found where clearing a managed server's listen address causes NPEs in the security token verification code, there is a requirement to replace the current ms-common-weblogic-security-provider.jar.

If you are installing into a newly created WebLogic domain then ensure that you first use the latest installer to install the authentication providers.

If you want to upgrade an existing domain then there are two options:

Option 1

The simplest option is:

1. Shut down ALL servers in system including AdminServers for all domains Delete old ms-common-weblogic-security-provider.jar from each domain's lib directory
2. Copy new ms-common-weblogic-security-provider.jar (provided by customer support) into each domain's lib directory in place of the old jar
3. Start AdminServer
4. Use 1SMS installer 1.1.118 or higher to uninstall and then re-install the authentication providers

NOTE: This resets any 1SMS role mappings for your usernames and therefore 1SMS roles will need to be re-assigned

Option 2

A more complicated approach but one which retains any existing role 1SMS role mappings is:

1. Shut down ALL servers in system including AdminServers for all domains
2. Delete old ms-common-weblogic-security-provider.jar from each domain's lib directory
3. Copy new ms-common-weblogic-security-provider.jar (provided by customer support) into each domain's lib directory in place of the old jar
4. Start AdminServer
5. Open WebLogic admin console
6. Navigate to Security Realms, myrealm, providers
7. Remove MSCustomDBMSAuthenticator & MSLDAPAuthenticator
8. Re-install authentication providers using the latest installer.

3 Providing Feedback

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

1Spatial Support is a dedicated support channel to users of the software to raise bugs and ask questions specific to 1SMS.

To contact 1Spatial Support, please visit our website: <http://www.1spatial.com/services/support>

Maximise the value of this release with 1Spatial training courses. For training enquiries please contact your Account Manager or email: training@1spatial.com.

4 Oracle JDBC Driver Distribution License Terms

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