



## Release Notes

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## 1Exchange

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Version 1.2.0

03 November 2017

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# 1 Introduction

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## 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 62               |
| 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

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

### 2.1 New Functionality in this release

|                |  |
|----------------|--|
| 1.2.0          |  |
| MSEXCHANGE-848 | Pass validation report XML and job metadata to outbound FME adaptor  |
| 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. |

## 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 1.1.100

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. For more information, see the details in the release notes for previous releases of 1Exchange.

## Providing Feedback

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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](mailto:training@1spatial.com).



## 3 Oracle JDBC Driver Distribution License Terms

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This 1Spatial product when deployed on Wildfly includes Oracle JDBC drivers which can fall within these license terms:

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