Release Notes

1Transact

Version 3.0.0

17 October 2018

Contents

1 Introduction

1.1 Scope

The purpose of the Release Note is to document the fixes or 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 System Requirements

1.2.1 Operating system

This version of 1Transact is supported on the following operating systems:

- Microsoft Windows Server 2012
- Oracle Linux 7.4

1.2.2 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.

1.2.3 3rd Party Software

1.2.3.1 Database

- Oracle Database 11g Release 2
- Oracle Database 12c Release 1
- PostgreSQL version 9.3.3

The Oracle database requires at least the Locator and Oracle Workspace Manager options

1.2.3.2 Application Server

The following application servers are supported (Note that Wildfly is provided as part of the installation package, and Oracle WebLogic is a pre-requisite that must be installed beforehand):

- Oracle WebLogic Server 12.2.1.3 (can be Standard edition or Enterprise edition - Enterprise Edition only needed if clustering multiple WebLogic servers for resilience and scalability).
- Wildfly 11.0.0 (Windows only), provided as part of the installation

1.2.3.3 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 69
Mozilla Firefox 57

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

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2 Release details

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

Note: The PostgreSQL extension version number is not locked to the 1Transact version number. This version's PostgreSQL extension number is   .

2.1 Upgrading the PostgreSQL extension from a previous release

You can then follow the 1SMS installation guide's chapter on installing 1Transact and follow the instructions for updating the Postgres extension, which will retain your current configuration.

2.2 New Functionality in this release

3.0.0	
New platform support	- WIldfly 11.0.0
2.2.0	
MSTRANSACT-402	DeleteCheckpoint SOAP request added, allowing users to delete a checkpoint
New platform support (MSTRANSACT-398, MSTRANSACT-399)	- Oracle Linux 7.4 - Oracle WebLogic 12.2.1.3 - Java 8 JDK 1.8.0 update 141 (64-bit)
2.1.208	
MSTRANSACT-395	New 1SMS online help accessible from all products
2.1.206	
MSCOMMON-497	Remove redundant JDK selection from installer and warn users when installing into a domain having an unsupported Java version
2.1.204	
MSCOMMON-540	Support for Oracle Linux 6.7
2.1.202	
MSTRANSACT-371	Set EJB timeout for workspace manager to a higher default value (from 30 mins to 3 hours)
MSCOMMON-519	Remove JDK version check from installation scripts
2.1.201	
MSTRANSACT-367	Change how 1Transact detects primary keys in Oracle to exclude DELSTATUS as well as VERSION
MSTRANSACT-366	Improve logging of SQL errors in Transact log
MSCOMMON-444	Improve resilience by removing the dependency on having a constantly running AdminServer
MSINT-169	Support Java 1.7 update 80
2.1.101	
New platform support	- Oracle Weblogic 12.1.3 - Oracle Database 12c Release 1 - Windows Server 2012 - 64 bit Java 1.7.0_76
2.0.201	

MSTRANSACT-304, MSTRANSACT-323	Refine access control options for sms_1transact.sql Postgres functionality with specific roles to allow more locked-down access control. See the PostgreSQL Programmers Guide for more details.
MSTRANSACT-317, MSTRANSACT-331 MSTRANSACT-316	Create implicit checkpoint immediately when new version has been created rather than just-in-time.
MSTRANSACT-319	Improve reporting of features in 'difference between checkpoints' view that moved partition; currently they are managed by PostGIS partitioning as a Delete & Create rather than a Modify.

2.3 Bugs Fixed in this release

2.2.3	
MSCOMMON-707	Log files not being populated for WebLogic 12.2.1.3
2.1.207	
MSTRANSACT-386	19771 Calling Compress from REST API taking longer than SQL API (parameters not being passed in)
MSTRANSACT-365	00018342 Restoring backed up 1Transact data does not restore sequence so checkpoint creation fails
MSTRANSACT-348 MSTRANSACT-322	00017475 00016629 1Transact web service requests encounter NullPointerException if optional priority is not passed in (now defaults to 0)
2.1.206	
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)
MSTRANSACT-384	Null pointer exceptions in Transact under load
2.1.202	
MSTRANSACT-372	Automatic conflict resolution for Oracle Workspace Manager fails on tables with more than one primary key
2.1.201	
MSTRANSACT-355	PostgreSQL: Replace SECURITY DEFINER with SECURITY INVOKER from extension functions to remove errors when using a stricter security configuration
MSTRANSACT-337	PostgreSQL: Ensure backup and restore works correctly for 1Transact metadata.
MSTRANSACT-314	Re-enable WS-Security header message in SOAP callback responses and fix memory leaks
2.1.101	
MSTRANSACT-314	Revoke this change as it causes memory leaks: Change SOAP web service so that it sends a WS-Security header message in its callback response.
2.0.202 (pg 2.0.3)	
MSTRANSACT-342	Checkpoint creation is incorrectly naming the new open state checkpoint not the previous one
2.0.201	
MSTRANSACT-314	Change SOAP web service so that it sends a WS-Security header message in its callback response.
MSTRANSACT-331	Implicit checkpoint is not created if the first thing done in a new version is to create an explicit checkpoint, meaning checkpoint names getting trampled.
MSTRANSACT-318	Throw an exception if checkpoints are created with the same name to enforce uniqueness.
MSTRANSACT-300	Make Version and checkpoint creation date a timestamp not just a date
MSTRANSACT-316	Automatic checkpoint creation happens just-in-time which confuses users, create them immediately instead.

2.4 Known Issues and Unresolved Bugs

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-325	Postgres: Automatically create diff views when activating tables and use a set_difference_checkpoints() function to specify the checkpoints to difference.
MSTRANSACT-325	Support foreign key references / join tables
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

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.

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