Release Notes

1Transact

Version 2.1.101

13 July 2015

Contents

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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 release supports newer versions of WebLogic, Oracle Database and Windows Server

1.3 System Requirements

1.3.1 Operating system

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

- Microsoft Windows Server 2012

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
- PostgreSQL version 9.3.3

1.3.3.2 Application Server

- Oracle WebLogic Server 12.1.3. Standard edition or Enterprise edition (Enterprise Edition only needed if clustering multiple WebLogic servers for resilience and scalability)

1.3.3.3 Browser Support

This version of 1Validate is supported on the following internet browsers:

- Microsoft Explorer v9 or v10
- Mozilla Firefox v22 or later
- Google Chrome v26+

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2   Release details

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

2.1   Upgrading the PostgreSQL extension from a previous release

Note that the postgres extension version number is not locked to the 1Transact version number. For example a new release of 1Transact to support new web browsers does not need an update to the postgres extension. This divergence starts with 1Transact release 2.0.2 (2.0.202) which contains postgres extension number 2.0.3

If you upgrade the PostgreSQL extension from the extension release 2.0 or 2.0.1 then you must first ensure that there are **no checkpoints with duplicate names** in the sms_1transact.checkpoint table otherwise the upgrade will fail because a unique constraint will be put on this table. If you are already using extension release 2.0.2 or later then these names are guaranteed to already be unique. If your system contains duplicate names in the sms_1transact.checkpoint.name column then you must either rename some checkpoints to make them unique (by updating the table directly) or you must rollback or compress those checkpoints so that they no longer exist.

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

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

2.1.101	
~~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-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-337	Mark metadata tables as part of an extension so that backup and restore will copy their contents
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.