



Release Notes



1Validate

Version 1.2.1

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Contents

1	Introduction	3
1.1	Scope	3
1.2	Purpose of Release.....	3
1.3	System Requirements.....	3
1.3.1	Operating system	3
1.3.2	Hardware.....	3
1.3.3	3rd Party Software.....	3
2	Release details	5
2.1	Notable differences since 1Validate 1.1.....	5
2.2	Notable differences since 1Validate 1.0.....	5
	Session cache garbage collection	5
2.3	New Functionality in this release.....	5
2.4	Bugs Fixed in this release	6
2.5	Known Issues and Unresolved Bugs	7
2.6	Upgrading from a previous release	8
3	Providing Feedback	9

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

1.3 System Requirements

1.3.1 Operating system

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

- 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 12.1.3.00 (without any patches applied). 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+

2 Release details

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

2.1 Notable differences since 1Validate 1.1

There are no known changes to the product API in this release. The main changes to existing behaviour are described in the New Functionality section below and are primarily changes to the user interface for:

- Running partitioned Sessions using 'Multiple predefined regions'
- The session cache viewer
- Error and Timing summaries for sessions
- A session description page to document the contents of a session

2.2 Notable differences since 1Validate 1.0

Session cache garbage collection

Stopping any paused session or deleting any session will now happen rapidly (for deleting via the UI, this applies to deleting from the recyclebin). The session data cache for these sessions will be cleaned up either when any session is run again, or else within 15 minutes, whichever comes first. Sessions which are stopped while running or run to completion behave as before and have their cache deleted immediately on stopping. The result of this change is that it is now possible to completely delete sessions without stopping them and stopping paused sessions is much faster

2.3 New Functionality in this release

1.2.1	
MSINT-587	New Cache Viewer available for any task: Can step through state of each task, improved UI for seeing non-conformances and selecting features
MSINT-300	Configurable styling of cache viewer
MSINT-320	Improve data partitioning via 'Several Predefined Regions'. By adding map overview and statistics page and seeing partition sub-sessions running in sub-folder
MSINT-636	Session description button to document contents of session including details of all rules and actions run
MSINT-582	New style for online help including improved search and structure and ability to use offline
MSINT-564	Shifting: Each constraint checked immediately so invalid constraints can be identified
MSINT-500	Shifting: Multi-part geometries can now be shifted
MSINT-596	New timings summary page for session
MSINT-587	New errors summary page for session
1.1.111	
MSINT-629	Switch to garbage collection of the session data cache. This means that paused sessions can be deleted via the API or UI immediately, without having to stop each one
1.1.110	
MSVALIDATE-556	Remove the requirement to use multicast for node discovery - uses JDBC instead

MSVALIDATE-515	Remove the need to install a Gothic DAM
MSINT-441	When opening Shapefile data, treat empty strings as NULL
1.1.107	
MSCOMMON-540	Support for Oracle Linux 6.7
1.1.104	
MSVALIDATE-526	Remove the need to refresh contextual data store mappings in 1Validate after restoring data store backup
MSVALIDATE-509	Enhance hotspots to handle more types of rule
MSCOMMON-444	Improve resilience by removing the dependency on having a constantly running AdminServer
MSINT-169	Support Java 1.7 update 80
1.1	
New platform support	<ul style="list-style-type: none"> - Oracle Weblogic 12.1.3 - Oracle Database 12c Release 1 - Windows Server 2012 - 64 bit Java 1.7.0_76

2.4 Bugs Fixed in this release

1.2.1	
MSINT-120	Cache viewer labels disappear/attribution not visible
MSINT-175	00017828 "MSG: Seem to be lost during geometry combination" error while doing a geometric union
MSINT-176	00017845 "CLRGEOM" error while doing a geometric union
MSINT-214	Deselecting all legend items in the cache viewer causes invalid map tiles and multiple stacktraces
MSINT-441	Empty values are loaded as "" (empty strings) instead of null values when opening Shapefile datastores
MSINT-457	Cache viewer does not allow selection of lines and points.
MSINT-502 + MSINT-375	A session that kills a session queue gets load balanced and cascades to all session queues
MSINT-628	Resumed sessions are not assigned to idle session queue
MSINT-638	Admin interface still refers to goth_dam_host & database.id
MSINT-640	Shifting: error "Unable to triangulate - There are 2 constraints that were not applied due to conflicting requirements."
MSINT-647	Shifting: process freezes while registering constraint vectors within a predefined region.
MSINT-653	Hotspot reporting causes log errors for 2.5d geometries
MSINT-669	Filter rule UI dialogue broken
MSINT-698	Cache viewer fails to display feature classes with numbers at the start of the class name
RST-3874	Cache Viewer unable to display >200 classes
RST-3875	Cache viewer, no case sensitivity for classes different only in case
RST-4678	Right clicking on the cache viewer when measuring causes the values to disappear but the measure line still stays
RST-4805	Cache viewer issues with the map data not displaying, the attributes not displaying or

	a mixture of both
RST-4854	Odd multiple class selection popups in Cache viewer
RST-4882	14448 Cache viewer is too zoomed on a feature
1.1.110	
MSINT-490	Node Drag and drop is not set to the cursor position when editing rules and actions
MSINT-389	Stopped sessions do not clean up the cache
MSCOMMON-497	Remove redundant JDK selection from installer and warn users when installing into a domain having an unsupported Java version
MSCOMMON-556	Authentication Provider Setup is failing to connect to a SSL enabled Admin Server because is not possible to specify 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)
1.1.109	
MSGEN-1396	Reading from an Oracle data store through JNDI fails on Wildfly with error: "Couldn't find the Oracle Spatial Connection object from the provided connection."
MSVALIDATE-563	Running a session containing a pause causes "setIgnoreExtent: NoSuchMethod" exception.
MSGEN-1396	Reading from an Oracle data store through JNDI fails on Wildfly with error: "Couldn't find the Oracle Spatial Connection object from the provided connection."
MSVALIDATE-563	Running a session containing a pause causes "setIgnoreExtent: NoSuchMethod" exception.
1.1.107	
MSVALIDATE-553	Authentication issue: CacheViewerPage is not being displayed
1.1.106	
MSVALIDATE-537	Validation Report is missing primary key information causing 1Edit to throw an Error when opening a Job
MSVALIDATE-548	Hotspotting locations for duplicate points, spikes and kickbacks not included in Validation report
1.1.104	
MSVALIDATE-523	1Validate is leaving behind non-conformance XML data in the database

2.5 Known Issues and Unresolved Bugs

ID	Description and work around
MSCOMMON-436	Installing clustered 1Validate using a configuration in a config.properties file that was saved using an older version of the installer (pre-1.1) causes the 'clustered' option to be set to off. Workaround is to re-check the 'clustered' setting in the installer UI.
MSVALIDATE-352	Load Policy for a ContextualDataStore should update a tables primary geometry as it is stated in the load policy.xml.
MS-VALIDATE-	Under heavy load some concurrent sessions may fail to run
MSVALIDATE-451	1Validate doesn't remember the primary geometry selection when a data store is refreshed.
MSVALIDATE-458	Errors when a session is running can result in a corrupt version and hence session state does not match version list.

2.6 Upgrading from a previous release

2.6.1 Repository

This release will automatically upgrade the repository from the 1Validate 1.1 release on initial startup. Ensure that all running and paused sessions are stopped before upgrading, particularly any paused sessions that are partitioned using 'Multiple Predefined Regions'. It is recommended that you take a database backup of the repository before doing the upgrade.

Follow the installation guide to install the new release in place of the existing version, using the same database connection details for the repository. When the new version is started it will automatically upgrade the repository. **Note that this is a one-way upgrade, once you have started the new version then the repository is upgraded and can no longer be used by 1Validate 1.1 or downgraded. This is why it is recommended that you backup the repository first.**

2.6.2 NPEs in the security token verification code

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 (1.1.123) 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.

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11 January 2017

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